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UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION

UNIDO Guides to Information Sources

No. 22

07327

INFORMATION  
SOURCES  
ON THE  
MACHINE TOOL  
INDUSTRY



UNITED NATIONS

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UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION  
Vienna

UNIDO Guides to Information Sources  
No. 22

**INFORMATION SOURCES  
ON THE  
MACHINE TOOL  
INDUSTRY**



UNITED NATIONS  
New York, 1976

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**Notations for the machine tool industry:**

**Universal Decimal Classification**

621.9 – Tools and machine tools, machining, cutting, etc.

**International Standard Industrial Classification (ISIC)**

3823 – Manufacture of metal and wood working machinery

**Standard International Trade Classification (SITC)**

715.1 – Machine tools for working metals

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## CONTENTS

	<i>Page</i>
<b>INTRODUCTION AND EXPLANATORY NOTES</b>	
English . . . . .	<i>v</i>
French . . . . .	<i>vii</i>
Russian . . . . .	<i>ix</i>
Spanish . . . . .	<i>xi</i>
 <i>Section</i>	
<b>I. PROFESSIONAL, TRADE AND RESEARCH ORGANIZATIONS,         LEARNED SOCIETIES AND SPECIAL INFORMATION SERVICES</b>	<b>I</b>
A. United Nations and related bodies . . . . .	<b>I</b>
B. International and regional organizations . . . . .	<b>1</b>
C. National bodies . . . . .	<b>2</b>
<b>II. DIRECTORIES</b> . . . . .	<b>13</b>
A. Guides to directories . . . . .	<b>13</b>
B. General, regional and national directories . . . . .	<b>14</b>
C. Branch directories . . . . .	<b>17</b>
<b>III. SOURCES OF STATISTICS, MARKETING AND OTHER ECON-         OMIC DATA</b> . . . . .	<b>24</b>
A. World-wide coverage . . . . .	<b>24</b>
B. Regional coverage . . . . .	<b>26</b>
C. National coverage . . . . .	<b>27</b>
<b>IV. BASIC HANDBOOKS, TEXTBOOKS AND MANUALS</b> . . . . .	<b>32</b>
<b>V. CURRENT PERIODICALS</b> . . . . .	<b>35</b>
<b>VI. CURRENT ABSTRACTING AND INDEXING PERIODICALS</b> . . . . .	<b>44</b>
<b>VII. PROCEEDINGS, PAPERS AND REPORTS</b> . . . . .	<b>48</b>
A. United Nations and related bodies . . . . .	<b>48</b>
B. Miscellaneous . . . . .	<b>49</b>
<b>VIII. SPECIALIZED DICTIONARIES AND ENCYCLOPAEDIAS</b> . . . . .	<b>50</b>
	<i>iii</i>

	<i>Page</i>
<b>IX. BIBLIOGRAPHIES</b> . . . . .	<b>52</b>
<b>X. FILMS, TRANSPARENCIES AND FILM CATALOGUES</b> . . . . .	<b>54</b>
<b>A. Films and transparencies</b> . . . . .	<b>54</b>
<b>B. Film catalogues</b> . . . . .	<b>58</b>
<b>XI. OTHER POTENTIAL SOURCES OF INFORMATION</b> . . . . .	<b>60</b>
<b>A. Consulting and engineering services</b> . . . . .	<b>60</b>
<b>B. Environment</b> . . . . .	<b>61</b>
<b>C. Fairs and exhibitions</b> . . . . .	<b>61</b>
<b>D. Financing and investing</b> . . . . .	<b>62</b>
<b>E. Marketing, exporting and purchasing</b> . . . . .	<b>63</b>
<b>F. Meetings and conferences</b> . . . . .	<b>64</b>
<b>G. Patents and licences</b> . . . . .	<b>65</b>
<b>H. Standards and specifications</b> . . . . .	<b>65</b>
<b>I. Testing and laboratory services</b> . . . . .	<b>66</b>
<b>J. Training</b> . . . . .	<b>66</b>
<b>K. Translation services</b> . . . . .	<b>67</b>
<b>L. UNIDO activities</b> . . . . .	<b>68</b>
<b>Bibliographical sources used in compiling the present guide</b> . . . . .	<b>69</b>

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## INTRODUCTION

The United Nations Industrial Development Organization (UNIDO) promotes the use of industrial information in developing countries by giving guidance in improving local information facilities. As one of the means of promotion UNIDO compiles directories and guides to selected information sources on branches of industry of primary concern to developing countries. The present guide, dealing with the machine tool industry, is the twenty-second in the series of *UNIDO Guides to Information Sources* (UNIDO/LIB/SER.D). A list of the guides published to date appears inside the back cover of this guide; more are planned for the series.

The directories and guides are not intended to be exhaustive, nor are they intended to be research tools; rather, they present sources considered to be of practical value to users. The data have been compiled so as to facilitate rapid access to the bodies referred to and the acquisition of the publications listed.

The machine tool industry plays an important role in increasing the productiveness of developing countries, thereby contributing to their economic independence. UNIDO technical assistance in this field has concentrated on the proper selection and utilization of machine tools and instruments as means of production. Emphasis has been given to expanding the capacities of developing countries to produce machine tools and machine tool accessories; improving the quality of machine tools; introducing and promoting modern technological methods and equipment; and training local technical personnel.

As part of this effort, UNIDO has assisted a number of developing countries to establish local manufacturing facilities for machine tools and other tools.

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## EXPLANATORY NOTES

The designations employed and the presentation of the material in this guide do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations concerning the legal status of any country or its authorities, or concerning the delimitation of its frontiers.

Publications listed in this guide have been selected mainly from literature in the official languages of the United Nations; when appropriate, publications in other languages have also been included.

The names of organizations and publications are given in their original languages, wherever available; for those listed in languages other than the official languages of the United Nations, a translation of the title into English is included.

Where available, the date and the number of pages of the most recent known edition are indicated as well as the address of the issuing organization or publisher.

United Nations sales publications should be ordered by sales number. They are available through authorized distributors or may be ordered from:

Sales Section  
Publishing Service  
United Nations  
New York, New York 10017  
United States of America

or

Sales Section  
United Nations Office  
Palais des Nations  
CH-1211 Geneva 10  
Switzerland

Requests for non-sales items that are issued by the United Nations and related bodies should be made direct to the issuing bodies.

Suggestions for the inclusion of additional information in a future, revised version would be appreciated and should be addressed to:

Industrial Documentation Unit  
United Nations Industrial Development Organization  
P.O. Box 707  
A-1011 Vienna, Austria



## INTRODUCTION

Pour faciliter la diffusion et l'utilisation de l'information industrielle dans les pays en développement, l'Organisation des Nations Unies pour le développement industriel (ONUDI) aide ces pays à améliorer leurs moyens d'information, notamment en établissant des répertoires et des guides des principales sources d'information sur les secteurs industriels qui présentent pour eux un intérêt majeur. Le présent guide, qui concerne l'industrie des machines-outils, est le vingt-deuxième de la série des *Guides des sources d'information* (UNIDO/LIB/SER.D). On trouvera à la page 3 de la couverture la liste des guides déjà parus. D'autres sont prévus.

Les ouvrages de cette série ne prétendent pas être exhaustifs, ce ne sont pas non plus des instruments de recherche, mais de simples guides des sources d'information considérées comme présentant un intérêt pratique pour les utilisateurs. Les données sont présentées de manière à permettre à ceux-ci de se mettre rapidement en rapport avec les sources d'information mentionnées et d'obtenir les publications auxquelles ils s'intéressent.

L'industrie des machines-outils joue un rôle important dans l'accroissement de la productivité des pays en développement et contribue ainsi à consolider leur indépendance économique. Dans ce domaine, l'assistance technique de l'ONUDI a surtout porté sur le choix et l'emploi judicieux de machines-outils et d'autres moyens de production. L'Organisation s'est attachée à renforcer les moyens dont disposent les pays en développement pour fabriquer des machines-outils et de l'outillage accessoire, à améliorer la qualité des machines-outils, à introduire et encourager l'emploi de méthodes et de matériel modernes et à former du personnel technique autochtone.

Dans le cadre de cette action, l'ONUDI a aidé de nombreux pays en développement à monter des usines locales de machines-outils et autres équipements.

## NOTES EXPLICATIVES

Les appellations employées dans la présente publication et la présentation des données qui y figurent n'impliquent de la part du Secrétariat de l'Organisation des Nations Unies aucune prise de position quant au statut juridique de tel ou tel pays ou territoire ou de ses autorités, ni quant au tracé de ses frontières.

Les publications énumérées dans le présent volume sont pour la plupart rédigées dans les langues officielles de l'Organisation des Nations Unies; toutefois, certains documents publiés dans d'autres langues ont aussi été mentionnés.

Les noms des organisations et les titres des publications sont donnés le plus souvent possible dans la langue originale; les noms des organisations et les titres des publications libellés dans des langues autres que les langues officielles de l'Organisation des Nations Unies ont été traduits en anglais.

Nous avons, aussi souvent qu'il était possible, précisé la date et le nombre de pages de l'édition la plus récente ainsi que l'adresse de l'éditeur ou de l'organisation qui a publié le document.

On peut se procurer les publications des Nations Unies auprès des distributeurs autorisés ou les commander à l'une des adresses suivantes, en mentionnant le numéro de vente :

Nations Unies		Office des Nations Unies
Section des ventes		Section des ventes
Service de publications	ou	Palais des Nations
New York, N.Y. 10017		1211 Genève 10
(États-Unis d'Amérique)		(Suisse)

Les documents des Nations Unies qui ne portent pas de numéro de vente doivent être demandés directement à l'organisation qui les a publiés.

Les propositions d'insertion de renseignements complémentaires dans une édition révisée seront prises en considération et devront être envoyées à l'adresse suivante :

Groupe de la documentation industrielle  
Organisation des Nations Unies pour le développement industriel  
Boîte postale 707  
A-1011 Vienne  
(Autriche)

## ВВЕДЕНИЕ

Организация Объединенных Наций по промышленному развитию (ЮНИДО) содействует использованию промышленной информации в развивающихся странах посредством обеспечения руководства в совершенствовании местных средств информации. Одним из средств такого содействия является составление в ЮНИДО справочников и руководств по отдельным источникам информации, касающимся тех отраслей промышленности, которые имеют первостепенное значение для развивающихся стран. Постоящее руководство по вопросам станкостроительной промышленности является двадцать вторым в серии ЮНИДО *Guides to Information Sources (UNIDO/LIB/SER.D)*. Перечень опубликованных до настоящего времени справочников приводится на внутренней стороне задней обложки настоящего выпуска; в этой серии планируется также выпуск еще целого ряда справочников.

Такие руководства и справочники не ставят своей целью быть исчерпывающими или служить в качестве средства исследования; в них скорее представлены источники, которые, как полагают, имеют практическую ценность для тех, кто ими пользуется. Данные в этих справочниках подобраны таким образом, чтобы облегчить быстрый доступ к организациям, на которые имеется ссылка, и приобретение перечисленных заданий.

Станкостроительная промышленность играет важную роль в повышении производительности труда в развивающихся странах, тем самым способствуя укреплению их экономической независимости. Техническая помощь ЮНИДО в этой области направлена на правильный выбор и использование станков и приборов в качестве средств производства. Упор был сделан на расширение возможностей развивающихся стран по производству станков и принадлежностей к ним; улучшению качества станков; внедрению и развитию современной технологии и оборудования; обучению местного технического персонала.

В рамках этих усилий ЮНИДО оказала содействие большому числу развивающихся стран в создании местных предприятий по производству станков и инструментов.

## ПОЯСНИТЕЛЬНЫЕ ЗАМЕЧАНИЯ

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Перечисленные в настоящем руководстве публикации отображены главным образом из литературы, изданной на официальных языках Организации Объединенных Наций; в соответствующих случаях были включены также публикации, изданные на других языках.

Названия организаций и публикаций даны на языке оригинала в тех случаях, когда они имелись в наличии; названия, представленные на языках, не являющихся официальными языками Организации Объединенных Наций, включены в перечень в переводе на английский язык.

В зависимости от наличия указаны год издания и количество страниц самого последнего из известных изданий, а также адрес организации, выпускающей публикацию, или издателя.

Предназначенные для продажи публикации Организации Объединенных Наций следует заказывать по соответствующему номеру, под которым они продаются. Их можно приобрести через должным образом уполномоченных агентов по продаже или заказать в:

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Industrial Documentation Unit  
United Nations Industrial Development Organization  
P.O. Box 707  
A-1011 Vienna  
Austria

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## INTRODUCCION

La Organización de las Naciones Unidas para el Desarrollo Industrial (ONUDI) promueve la utilización de información industrial en países en desarrollo proporcionando orientación para el mejoramiento de los servicios locales de información. Entre los medios de que se vale la ONUDI para realizar esa labor figura la compilación de repertorios y guías de fuentes de información seleccionadas sobre ramas industriales de interés primordial para los países en desarrollo. La presente guía, consagrada a la industria de las máquinas-herramientas, es la vigésima segunda de la serie titulada *Guía de Fuentes de Información* (UNIDO/LIB/SER.D). En el interior de la contracubierta de esta guía puede verse una lista de las publicadas hasta la fecha; se prevé la publicación de otras de la misma serie.

Los repertorios y las guías no pretenden ser exhaustivos ni están destinados a servir de instrumento de investigación, sino que presentan fuentes consideradas de valor práctico para los usuarios. Los datos se han recopilado de manera que proporcionen un rápido acceso a las entidades mencionadas y faciliten la adquisición de las publicaciones que se indican.

La industria de las máquinas-herramientas cumple una importante función en la tarea de aumentar la productividad de los países en desarrollo, contribuyendo con ello a la independencia económica de los mismos. La asistencia técnica de la ONUDI en esta esfera se ha centrado en la selección y utilización correctas de máquinas-herramientas e instrumentos como medios de producción. Se ha hecho hincapié en la ampliación de las capacidades de los países en desarrollo para producir máquinas-herramientas y sus accesorios; en el mejoramiento de la calidad de las máquinas-herramientas; en la introducción y promoción de métodos y equipo tecnológicos modernos; y en la capacitación de personal técnico nacional.

Como parte de estas actividades, la ONUDI ha ayudado a varios países en desarrollo a establecer instalaciones de fabricación de máquinas-herramientas y herramientas de otro tipo.

## NOTAS EXPLICATIVAS

Las denominaciones empleadas en esta guía y la forma en que aparecen presentados los datos que contiene no implican, de parte de la Secretaría de las Naciones Unidas, juicio alguno sobre la condición jurídica de ninguno de los países o territorios citados o de sus autoridades, ni respecto de la delimitación de sus fronteras.

Las publicaciones que aquí se indican se han seleccionado principalmente de entre la literatura publicada en los idiomas oficiales de las Naciones Unidas; cuando procede, también se mencionan publicaciones aparecidas en otros idiomas.

Los nombres de las organizaciones y publicaciones aparecen en su idioma original, cuando así constan; cuando se dan en idiomas no reconocidos como oficiales dentro de las Naciones Unidas, se incluye la traducción al inglés del título correspondiente.

Se indican la fecha y el número de páginas de la edición más reciente, así como la dirección de la organización que la publica o de la casa editora, cuando tales datos se conocen.

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Servicio de Publicaciones  
Naciones Unidas  
Nueva York, 10017  
(Estados Unidos de América)

o

Sección de Ventas  
Oficina de las Naciones Unidas  
Palacio de las Naciones  
CH-1211 Ginebra 10  
(Suiza)

Los documentos no destinados a la venta, publicados por las Naciones Unidas y organismos conexos, deben pedirse directamente a la organización respectiva.

Se agradecerán las sugerencias que se hagan para la inclusión de información adicional en una futura versión revisada, sugerencias que deberán enviarse a la dirección siguiente:

Grupo de Documentación Industrial  
Organización de las Naciones Unidas para el Desarrollo Industrial  
P.O. Box 707  
A-1011 Viena  
(Austria)

## SECTION I

### PROFESSIONAL, TRADE AND RESEARCH ORGANIZATIONS, LEARNED SOCIETIES AND SPECIAL INFORMATION SERVICES

#### *A. United Nations and related bodies*

1. ECONOMIC COMMISSION FOR EUROPE (ECE)  
INDUSTRY AND MATERIALS COMMITTEE  
Palais des Nations  
1211 GENEVA 10, Switzerland
2. INTERNATIONAL LABOUR ORGANISATION (ILO)  
1211 GENEVA 10, Switzerland
3. INTERNATIONAL TRADE CENTRE (UNCTAD/GATT)  
Villa le Bocage, Palais des Nations  
1211 GENEVA 10, Switzerland
4. UNITED NATIONS INDUSTRIAL DEVELOPMENT ORGANIZATION  
(UNIDO)  
ENGINEERING INDUSTRIES SECTION  
INDUSTRIAL INFORMATION SECTION  
P.O. Box 707  
1011 VIENNA, Austria

#### *B. International and regional organizations*

5. COUNCIL FOR MUTUAL ECONOMIC ASSISTANCE (CMEA)  
Prospekt Kalinina 56  
MOSCOW, Union of Soviet Socialist Republics
6. EUROPEAN COMMITTEE FOR CO-OPERATION OF MACHINE TOOL  
INDUSTRIES  
21, rue des Drapiers  
1050 BRUSSELS, Belgium
7. INSTITUTO CENTROAMERICANO DE INVESTIGACION Y TECNO-  
LOGIA INDUSTRIAL (ICAITI)  
P.O. Box 1552  
Avenida de la Reforma 4-47, zona 10  
GUATEMALA CITY, Guatemala
8. INTERNATIONAL DEVELOPMENT ASSOCIATION (IDA)  
1818 H Street  
WASHINGTON, D.C., United States of America

- 
9. INTERNATIONAL FEDERATION FOR THE THEORY OF MACHINES AND MECHANISMS  
P.O. Box 431  
SOFIA C, Bulgaria
  10. ORGANISATION FOR ECONOMIC CO-OPERATION AND DEVELOPMENT (OECD)  
Château de la Muette  
2, rue André Pascal  
75016 PARIS, France
  11. ORGANIZATION OF AMERICAN STATES (OAS)  
ADMINISTRATION OF TECHNICAL CO-OPERATION  
Pan American Union  
WASHINGTON, D.C., United States of America

*C. National bodies*

*Argentina*

12. CAMARA ARGENTINA DE DISTRIBUIDORES DE MAQUINAS HERRAMIENTAS  
Perú 689, piso 5  
BUENOS AIRES
13. CAMARA ARGENTINA DE FABRICANTES DE MAQUINAS HERRAMIENTAS Y AFINES  
Alsina 1607  
BUENOS AIRES
14. INSTITUTO NACIONAL DE TECNOLOGIA INDUSTRIAL (INTI)  
Libertad 1235  
BUENOS AIRES

*Australia*

15. AUSTRALIAN INDUSTRIES DEVELOPMENT ASSOCIATION (AIDA)  
406 Lonsdale Street  
MELBOURNE, Victoria
16. ROYAL MELBOURNE INSTITUTE OF TECHNOLOGY  
PRODUCTION ENGINEERING DEPARTMENT  
124 La Trobe Street  
MELBOURNE, Victoria
17. UNIVERSITY OF NEW SOUTH WALES  
DEPARTMENT OF INDUSTRIAL ENGINEERING  
P.O. Box 1  
KENSINGTON, New South Wales 2033



**Austria**

18. BUNDESGREMIUM DES MASCHINENHANDELS (Federal board of trade in machinery)  
Bauernmarkt 13  
1011 VIENNA
19. FACHVERBAND DER MASCHINEN- UND STAHLBAUINDUSTRIE OESTERREICHS (Association of the Austrian machinery and steel construction industry)  
Bauernmarkt 13  
1011 VIENNA
20. LEHRKANZEL UND INSTITUT FUER WERKZEUGMASCHINEN UND FERTIGUNGSTECHNIK DER TECHNISCHEN HOCHSCHULE GRAZ (Institute for machine tools and manufacturing techniques, School of technology, Graz)  
Kopernikusgasse 24  
8010 GRAZ

**Belgium**

21. CHAMBRE SYNDICALE DES IMPORTATEURS ET NEGOCIANTS EN MACHINES-OUTILS ET OUTILLAGES DE BELGIQUE (INEMO)  
203, avenue Slegers  
1150 BRUSSELS
22. SYNDICAT DES CONSTRUCTEURS BELGES DE MACHINES-OUTILS POUR LE TRAVAIL DES METAUX (SYCOMOM)  
21, rue des Drapiers  
1050 BRUSSELS

**Bulgaria**

23. RESEARCH AND DESIGN INSTITUTE OF MACHINE TOOLS AND INSTRUMENTS  
Iliensko Sose 8  
SOFIA

**Byelorussian Soviet Socialist Republic**

24. INSTITUT MASHINOVEDENIIA (Institute of machine science)  
MINSK

**China**

25. ACADEMY OF MACHINE BUILDING AND TECHNICAL SCIENCES  
FIRST MINISTRY OF MACHINE BUILDING  
PEKING

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**Denmark**

26. FORENINGEN AF DANSKE VAERKTØJSMASKINFABRIKANTER  
AF GROSSISTER I VAERKTØJSMASKINER (Association of Danish  
machine tool manufacturers and wholesalers)  
Nørre Voldgade 34  
1358 COPENHAGEN

**France**

27. CENTRE D'ETUDES ET DE RECHERCHES DE LA MACHINE-OUTIL  
(CERMO)  
21, rue Pinel  
75008 PARIS
28. CHAMBRE SYNDICALE DES NEGOCIANTS-IMPORTATEURS DE  
MACHINES-OUTILS  
21, rue Saint-Guillaume  
75007 PARIS
29. SYNDICAT DES CONSTRUCTEURS FRANÇAIS DE MACHINES-  
OUTILS (SCFMO)  
150, boulevard Bineau  
92200 NEUILLY-SUR-SEINE
30. SYNDICAT GENERAL DES FABRICANTS D'OUTILLAGE MECA-  
NIQUE  
10, avenue Hoche  
75008 PARIS
31. SYNDICAT NATIONAL DE LA MECANIQUE GENERALE  
10, rue Lord Byron  
75008 PARIS

**German Democratic Republic**

32. INSTITUT FUER WERKZEUGMASCHINEN (Institute for machine  
tools)  
TECHNICAL UNIVERSITY OF DRESDEN  
8027 DRESDEN
33. VVB WERKZEUGMASCHINEN (Union of national enterprises for  
machine tools)  
Oberfroehnaerstrasse 35  
90 KARL-MARX-STADT

**Germany, Federal Republic of**

34. FACHGEMEINSCHAFT PRAEZISIONWERKZEUGE IM VDMA (Pre-  
cision tools organization in the VDMA)  
Lyoner Strasse 18  
6000 FRANKFURT/MAIN-NIEDERRAD 1

35. FACHGEMEINSCHAFT WERKZEUGMASCHINEN IM VDMA (Machine tools organization in the VDMA)  
Corneliusstrasse 4  
6000 FRANKFURT/MAIN 1
36. INSTITUT FUER WERKZEUGFORSCHUNG (Institute for machine research)  
Schützenstrasse 57a  
563 REMSCHEID
37. INSTITUT FUER WERKZEUGMASCHINEN (Institute for machine tools)  
TECHNICAL UNIVERSITY OF BERLIN  
I BERLIN 12
38. INSTITUT FUER WERKZEUGMASCHINEN (Institute for machine tools)  
UNIVERSITY OF STUTTGART  
7 STUTTGART
39. INSTITUT FUER WERKZEUGMASCHINEN UND BETRIEBSTECHNIK (Institute for machine tools and factory technology)  
UNIVERSITY OF KARLSRUHE  
75 KARLSRUHE
40. INSTITUT FUER WERKZEUGMASCHINEN UND FERTIGUNGSTECHNIK (Institute for machine tools and manufacturing technology)  
TECHNICAL UNIVERSITY OF BRUNSWICK  
33 BRUNSWICK
41. INSTITUT FUER WERKZEUGMASCHINEN UND UMFORMTECHNIK (Institute for machine tools and recasting technology)  
TECHNICAL UNIVERSITY OF HANOVER  
3 HANOVER
42. VEREIN DEUTSCHER MASCHINENBAU-ANSTALTEN E.V. (VDMA) (Association of German mechanical engineering establishments)  
Lyoner Strasse 18  
6000 FRANKFURT/MAIN-NIEDERRAD 1
43. VEREIN DEUTSCHER WERKZEUGMASCHINENFABRIKEN E.V. (Association of German machine tool factories)  
Corneliusstrasse 4  
6000 FRANKFURT/MAIN 1

**India**

44. CENTRAL MACHINE TOOL INSTITUTE (CMTI)  
Tumkur Road  
BANGALORE 22
45. HINDUSTAN MACHINE TOOLS  
BANGALORE 31

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46. INDIAN MACHINE TOOL MANUFACTURERS ASSOCIATION  
12 Rampart Row  
BOMBAY
  47. MACHINE TOOL TRADES ASSOCIATION  
INDIA EXCHANGE  
India Exchange Place  
CALCUTTA 1
  48. UNIVERSITY OF ROORKEE  
DEPARTMENT OF MECHANICAL ENGINEERING  
ROORKEE, Uttar Pradesh

*Italy*

49. ASSOCIAZIONE NAZIONALE COMMERCianti MACCHINE UTENSILI ED UTENSILERIA (National association of machine tools and appliances dealers)  
Piazza Belgioioso 1  
20121 MILAN
50. UNIONE COSTRUTTORI ITALIANI MACCHINE UTENSILI (UCIMU)  
(Union of Italian machine tool designers)  
Via Monte Rosa 21  
20149 MILAN

*Japan*

51. FUJIKOSHI TECHNICAL RESEARCH LABORATORY  
20 Ishigane  
TOYAMA-SHI, Toyama-ken
52. JAPAN MACHINE TOOL BUILDERS ASSOCIATION  
Kikai Shinko Kaikan I-5  
Shiba-Koen 21-gochi  
Minato-ku  
TOKYO 105
53. JAPAN MACHINE TOOL TRADE ASSOCIATION  
Kikai Shinko Kaikan Building  
Shiba-Koen  
Minato-ku  
TOKYO
54. MACHINE TOOL TRADERS ASSOCIATION OF JAPAN  
Toranomon Kogyo Building 40  
Shiba Kotohira-cho  
Minato-ku  
TOKYO
55. NARA PREFECTURAL INDUSTRIAL EXPERIMENTAL STATION  
1188 Daianji-cho  
NARA-SHI, Nara-ken

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56. TOKYO METROPOLITAN INDUSTRIAL RESEARCH INSTITUTE  
1-20 Kaigan-dori, Shiba  
Minato-ku  
TOKYO

*Netherlands*

57. GROEP GEREEDSCHAPSWERKTUIGEN VAN DE VERENIGING VAN  
METAAL-INDUSTRIEEN (Machine tool section of the union of metal  
industries)  
Nassaulaan 13  
THE HAGUE
58. VERENIGING VAN IMPORTEURS VAN GEREEDSCHAPSWERK-  
TUIGEN (VIMETAAL) (Association of machine tool importers)  
Koninginnegracht 15  
THE HAGUE
59. VERENIGING VAN IMPORTEURS VAN MACHINEGEREED-  
SCHAPPEN VOOR DE METAALBEWERKING (VIMAG) (Association of  
metalworking machine tool importers)  
Koninginnegracht 15  
THE HAGUE

*New Zealand*

60. PHYSICS AND ENGINEERING LABORATORY  
Private Bag  
LOWER HUTT

*Norway*

61. INSTITUTT FOR MASKINTEKNISK FABRIKKDRIFT OG VERKTOY-  
MASKINER (Institute for production of engineering and machine tools)  
NORGES TEKNISKE HOGSKOLE (Norwegian technical college)  
TRONDHEIM

*Poland*

62. INSTYTUT OBROBKI SKRAWANIEM (IOS) (Institute of metal cutting)  
Ul. Obózna 14  
CRACOW
63. INSTYTUT ORGANIZACJI I MECHANIZACJI BUDOWNICTWA  
(IOMB) (Institute for organization and mechanization of construction)  
Ul. Wawelska 2-4  
WARSAW

*Portugal*

64. CENTRO DE COOPERAÇÃO DOS INDUSTRIAIS DE MAQUINAS-  
FERRAMENTAS (CIMAF) (Machine tool builders co-operative centre)  
Rua Manuel Pinto de Azevedo 439  
PORTO

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*Spain*

65. ASOCIACION DE INVESTIGACION DE LA MAQUINA HERRAMIENTA  
Avenida del Generalísimo 999  
BARCELONA 14
66. ASOCIACION ESPANOLA DE FABRICANTES DE MAQUINAS HERRAMIENTAS  
San Marcial 35  
SAN SEBASTIAN

*Sweden*

67. FOERENINGEN SVENSKA VERKTYGSMASKINTILLVERKARE (FVM) (Association of Swedish machine tool manufacturers)  
Box 5506  
114 85 STOCKHOLM
68. SVERIGES VERKTYGSMASKINAFFAERERS FOERENING (SVMP) (Association of Swedish machine tool dealers)  
Narvavägen 27  
114 60 STOCKHOLM

*Switzerland*

69. VEREIN SCHWEIZERISCHER MASCHINEN-INDUSTRIELLER (Association of Swiss machinery manufacturers)  
Kirchenweg 4  
8032 ZURICH

*Turkey*

70. ISTANBUL TECHNICAL UNIVERSITY  
MACHINE TOOLS AND FACTORY ORGANIZATION  
TAKSIM-ISTANBUL

*Ukrainian Soviet Socialist Republic*

71. ZAPOROZHSKII MASHINOSTROITEL'NYI INSTITUT (Zaporozh'e machine building institute)  
Ulitsa Zhukovskii 64  
ZAPOROZH'E

*Union of Soviet Socialist Republics*

72. CHELIABINSKII POLITEKHNICHESKII INSTITUT (Cheliabinsk polytechnic institute)  
Ulitsa Spartaka 90  
CHELIABINSK

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73. EKSPERIMENTAL'NYI I NAUCHNO-ISSLEDOVATEL'SKII INSTITUT KUZNECHNO-PRESSOVOGO MASHINOSTROIENIIA (Experimental and scientific research institute for forging and pressing machine tool construction)  
VORONEZH
74. EKSPERIMENTAL'NYI NAUCHNO-ISSLEDOVATEL'SKII INSTITUT METALLOREZHUSHCHIKH STANKOV (ENIMS) (Experimental scientific research institute of metal-cutting machine tools)  
Donskoi Proezd 21b  
MOSCOW 5i
75. EREVANSKII POLITEKHNICHESKII INSTITUT (Erevan polytechnic institute)  
Ulitsa Teriana 105  
EREVAN
76. GOR'KOVSKII POLITEKHNICHESKII INSTITUT (Gor'kiy polytechnic institute)  
K. Minina 24  
GOR'KIY
77. IZHEVSKII MEKHANICHESKII INSTITUT (Izhevsk mechanics institute)  
Ulitsa M. Gor'kogo 79  
IZHEVSK
78. LENINGRADSKII INSTITUT TOCHNOI MEKHANIKI I OPTIKI (LITMO) (Leningrad institute of precision mechanics and optics)  
Demidov pereulok 10  
LENINGRAD
79. LENINGRADSKII POLITEKHNICHESKII INSTITUT (Leningrad polytechnic institute)  
Doroga v. Sosnovku 1-3  
LENINGRAD
80. MOSKOVSKII STANKOINSTRUMENTAL'NYI INSTITUT (Moscow machine tools and instruments institute)  
Ulitsa Novoslobodskaya  
Vadkovskii Pereulok 13a  
MOSCOW
81. MOSKOVSKOIE VYSSHEE TEKHNICHESKOE UCHILISHCHE (Moscow higher technical school)  
Ulitsa Baumanskaya 5  
MOSCOW 2ia
82. OMSKII MASHINOSTROITEL'NYI INSTITUT (Omsk machine building institute)  
Dolgireva 60  
OMSK

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83. TALLINSKII POLITEKHNICHESKII INSTITUT (Tallin polytechnic institute)  
Ulitsa Kalinina 101  
TALLIN
  84. TUL'SKII MEKHANICHESKII INSTITUT (Tula mechanics institute)  
Ulitsa Kommunarov 154  
TULA

*United Kingdom of Great Britain and Northern Ireland*

85. BARROW-IN-FURNESS PUBLIC LIBRARY AND MUSEUM  
TECHNICAL DEPARTMENT  
Ramsden Square  
BARROW-IN-FURNESS, Lancashire
86. BRITISH ASSOCIATION OF MACHINE TOOL MERCHANTS  
(BAMTM)  
20-21 Tooks Court  
LONDON EC4
87. BRITISH POWER PRESS MANUFACTURERS ASSOCIATION  
Standbrook House  
2-3 Old Bond Street  
LONDON W1
88. GAUGE AND TOOL MAKERS' ASSOCIATION (GTMA)  
2-5 Old Bond Street  
LONDON W1
89. HEBBURN TECHNICAL COLLEGE  
Mill Lane  
HEBBURN, Durham
90. INSTITUTE OF ADVANCED MACHINE TOOL AND CONTROL  
TECHNOLOGY  
Birniehill, East Kilbride  
GLASGOW, Scotland
91. INSTITUTION OF PRODUCTION ENGINEERS  
10 Chesterfield Road  
Mayfair  
LONDON W1
92. MACHINE KNIFE AND ALLIED TRADES ASSOCIATION  
Light Trades House  
Melbourne Avenue  
SHEFFIELD S10
93. MACHINERY AND PRODUCTION ENGINEERING ENQUIRY  
BUREAU  
Clifton House  
83/117 Euston Road  
LONDON NW1



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94. MACHINE TOOL INDUSTRY RESEARCH ASSOCIATION  
Hulley Road, Hurdsfield  
MACCLESFIELD, Cheshire
  95. MACHINE TOOL TRADES ASSOCIATION, INC. (MTTA)  
25 Buckingham Gate  
LONDON SW1
  96. MILLING CUTTER AND REAMER ASSOCIATION  
3 Melbourne Avenue  
SHEFFIELD S10
  97. NOTTINGHAM UNIVERSITY  
MACHINE TOOLS LABORATORY  
University Park  
NOTTINGHAM NG7 2RD
  98. REFERENCE LIBRARY  
Bayley Lane  
COVENTRY, Warwickshire

*United States of America*

99. AMERICAN MACHINE TOOL DISTRIBUTORS ASSOCIATION  
(AMTDA)  
1500 Massachusetts Avenue, N.W.  
WASHINGTON, D.C. 20005
100. AMERTOOL SERVICES (AS)  
4701 Marburg Avenue  
CINCINNATI, Ohio 45209
101. CUTTING TOOL MANUFACTURERS ASSOCIATION (CTMA)  
1216 Penobscot Building  
DETROIT, Michigan 48226
102. INSTITUTE OF SCIENCE AND TECHNOLOGY  
UNIVERSITY OF MICHIGAN  
2200 North Campus Boulevard  
ANN ARBOR, Michigan 48105
103. KANSAS STATE UNIVERSITY  
MACHINE RESEARCH LABORATORY  
MANHATTAN, Kansas
104. METAL-CUTTING TOOL INSTITUTE (MCTI)  
331 Madison Avenue  
NEW YORK, New York 10017
105. NATIONAL MACHINE TOOL BUILDERS ASSOCIATION (NMTBA)  
7901 Westpark Drive  
MCLEAN, Virginia 22101

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106. NATIONAL TOOL, DIE AND PRECISION MACHINING ASSOCIATION  
(NTDPMA)  
1411 K Street, N.W.  
WASHINGTON, D.C. 20005
  107. NORTH CAROLINA STATE UNIVERSITY  
DEPARTMENT OF ENGINEERING RESEARCH  
127 Riddick Engineering Laboratories Building  
RALEIGH, North Carolina
  108. PENNSYLVANIA STATE UNIVERSITY  
ENGINEERING RESEARCH PROGRAM  
222 Hammond Building  
UNIVERSITY PARK, Pennsylvania 16802
  109. PUBLIC LIBRARY OF CINCINNATI AND HAMILTON COUNTY  
SCIENCE AND INDUSTRY DEPARTMENT  
800 Vine Street  
CINCINNATI, Ohio 45202
  110. ROLLING MILL MACHINERY AND EQUIPMENT ASSOCIATION  
1808 Fourth Avenue  
PITTSBURGH, Pennsylvania
  111. SOCIETY OF MANUFACTURING ENGINEERS  
20501 Ford Road  
DEARBORN, Michigan 48128
  112. TOOL AND DIE INSTITUTE  
777 Busse Highway  
PARK RIDGE, Illinois
  113. UNIVERSITY OF PITTSBURGH  
ENGINEERING RESEARCH DIVISION  
405 Engineering Hall  
PITTSBURGH, Pennsylvania 15213

*Yugoslavia*

114. INSTITUT ZA ALATNE MASINE I ALATE (IAMA) (Institute for  
machine tools and tooling)  
27 Marta 80  
BELGRADE

## SECTION II

### DIRECTORIES

List of manufacturers, firms, organizations, materials, products, equipment and other similar data, arranged in alphabetical or classified order.

#### *A. Guides to directories*

115. **CURRENT EUROPEAN DIRECTORIES**  
Compiled and edited by G. P. HENDERSON. Annotated guide to international, country, city and specialized directories and similar reference works for all countries of Europe.  
Publ.: CBD Research Ltd  
BECKENHAM, Kent BR3 1EA, England
116. **DIRECTORY OF SCIENTIFIC DIRECTORIES**  
Irregular. Compiled by A. P. HARVEY. World guide to scientific directories.  
Publ.: Francis Hodgson Ltd  
P.O. Box 74  
GUERNSEY, Channel Islands
117. **GUIDE TO INDUSTRIAL DIRECTORIES**  
In English, French and Spanish. Selection of directories to assist developing countries in locating sources of supply of industrial equipment. (Sales No. 71.II.B.5)  
Publ.: United Nations  
Sales Section  
NEW YORK, New York 10017, United States of America
118. **INTERNATIONALE BIBLIOGRAPHIE DER FACHADRESSBUECHER**  
(International bibliography of trade directories)  
Irregular. In English and German. Lists over 6,000 directories. World-wide coverage arranged by groups of products.  
Publ.: Verlag Dokumentation Saur KG  
Kaiserstrasse 13  
8023 MUNICH-PULLACH, Federal Republic of Germany
119. **TRADE DIRECTORIES OF THE WORLD**  
Irregular. Loose-leaf format with monthly supplements. Lists over 1,700 business and trade directories. World-wide coverage arranged by

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geographical area, countries, trades and professions. Includes index to general directories and export-import directories.

Publ.: Croner Publications, Inc.  
211-03 Jamaica Avenue  
QUEENS VILLAGE, New York 11428, United States of America

*B. General, regional and national directories*

Manufacturers and export directories covering many branches of industry and giving information on industrial and commercial firms of one country or a group of countries.

120. **ABC EUROP. PRODUCTION 1972**  
In English, French, German, Italian, Portuguese and Spanish. Universal register of European exports.  
Publ.: Europ. Export Edition GmbH  
Postfach 4034  
6100 DARMSTADT, Federal Republic of Germany
121. **AMERICAN REGISTER OF EXPORTERS AND IMPORTERS**  
Annual. Index in English, French, German and Spanish. Listed by broad product areas. Covers United States.  
See: Machine tools  
Metalworking machinery  
Publ.: American Register of Exporters and Importers Corp.  
90 West Broadway  
NEW YORK, New York 10007, United States of America
122. **ANNUAIRE DES ENTREPRISES ET ORGANISMES D'OUTRE-MER**  
Annual. Arranged in broad sections by subject and country.  
See: Machines-outils  
Publ.: René Moreaux et Cie, SA  
190, boulevard Haussmann  
75008 PARIS, France
123. **ANUARIO COMERCIAL IBEROAMERICANO**  
Irregular. Text in Spanish; indexes and headings in English, French, German and Spanish. Covers Portugal, Spain, United States and Latin America. Classified list of products for each company.  
See: Machine tools  
Machines for metalworking  
Publ.: Germán Pérez Carrasio  
Apartado de Correos 14.013  
MADRID 17, Spain
124. **AUSTRALASIAN MANUFACTURERS' DIRECTORY**  
Revised every two years. Alphabetical lists of products manufactured in Australia, including names and addresses of manufacturers, prominent trade marks and brand names.  
Publ.: Manufacturer Publishing Co. Pty. Ltd  
Elizabeth and Hill Streets  
NORTH SYDNEY, New South Wales 2060, Australia

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125. **BOTTIN INTERNATIONAL: INTERNATIONAL BUSINESS REGISTER**  
Annual. Firms, corporations and organizations listed by trade and country. In English, French, German and Spanish.  
See: Machine tools  
Order from:  
Société Didot Bottin  
1, rue Sébastien Bottin  
75007 PARIS, France
126. **CANADIAN TRADE INDEX**  
Annual. Guide to buying and selling in Canada. In English. Lists manufacturers and products. Includes approx. 10,000 detailed product classifications, with French and Spanish translations.  
See: Machinery  
Metalworking  
Publ.: The Canadian Manufacturers' Association  
67 Yonge Street  
TORONTO, Ontario M5E 1J9, Canada
127. **CONOVER-MAST INDUSTRIAL PURCHASING DIRECTORY**  
Annual. Covers United States.  
See: Names of specific machine tools  
Publ.: Cahners Publishing Co. Inc.  
95 East Putnam Avenue  
GREENWICH, Connecticut 06830, United States of America
128. **DIRECTORY: TRADE-COMMERCIAL AND LOCAL MANUFACTURERS INDEX**  
Annual. Covers Kenya, Malawi, Seychelles Islands, Uganda, United Republic of Tanzania and Zambia. Classified trade and manufacturers' index for each country.  
See: Machine tools  
Publ.: Nairobi East African Directory Co. Ltd  
P.O. Box 41237  
NAIROBI, Kenya
129. **HANDELSREGISTER OESTERREICH (Trade directory: Austria)**  
Annual. In German. Lists products manufactured in Austria, including names and addresses of manufacturers, prominent trade marks and brand names. Detailed classified index.  
Publ.: Jupiter Verlag  
Robertgasse 2  
1020 VIENNA, Austria
130. **INDIAN EXPORT DIRECTORY**  
Irregular. Lists exporters, products and firms, as well as government departments concerned with trade and export.  
See: Machine tools  
Names of specific machine tools

Publ.: Ministry of Health and Family Planning and Works, Housing and  
Urban Development  
Publication Section  
Civil Lines  
NEW DELHI 6, India

**131. KELLY'S MANUFACTURERS AND MERCHANTS DIRECTORY**

Annual. 2 vols. plus index vol.

Vol. 1: Lists products and services for United Kingdom, with  
special section for London.

Vol. 2: Lists international products and services arranged by  
continent, trade and firm. Includes "Products and services  
dictionary" in French, German and Spanish.

See: Machine tools  
Numerically controlled machine tools

Publ.: Kelly's Directories  
Neville House, Eden Street  
KINGSTON-UPON-THAMES, Surrey KT1 1BY, England

**132. KOMPASS DIRECTORIES**

National directories published in 20 countries, with standard format.  
Multilingual, including language of the country covered. Indexed  
according to product classifications. Alphabetical list of firms and trade  
marks, designating whether supplier is primary or secondary manu-  
facturer, importer or wholesaler.

*Machine industry  
(section)*

See: KOMPASS Australia	36
KOMPASS Austria	36
KOMPASS Belgium/Luxembourg	36
KOMPASS Brazil	36
KOMPASS Denmark	36
KOMPASS Finland	36
KOMPASS France	36
KOMPASS Germany, Federal Republic of	36
KOMPASS Holland	36
KOMPASS Hong Kong	36
KOMPASS Indonesia	36
KOMPASS Italy	36
KOMPASS Japan	40
KOMPASS Morrocco	p. 358, 364, 366, 394, 828, 1194 1233, 1364, 1366, 1370, 2080, 2082
KOMPASS Norway	36
KOMPASS Singapore	36
KOMPASS Sweden	36
KOMPASS Switzerland/Liechtenstein	36
KOMPASS United Kingdom	40

Publ.: Kompass International AG  
Neuhausstrasse 4  
8044 ZURICH, Switzerland  
or local publisher in country of publication

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133. SOCIETES ET FOURNISSEURS D'AFRIQUE NOIRE ET DE MADAGASCAR  
Annual. Trade directory of West Africa and Madagascar. Enterprises listed by country, with index.  
Publ.: EDIAFRIC—La Documentation africaine  
57, Avenue d'Iéna  
75016 PARIS, France
134. SOVIET TRADE DIRECTORY  
Irregular. Text in English; index in English and Russian. Listed by broad subject areas.  
See: Machine tool works  
Publ.: Flegon Press  
24 Chancery Lane  
LONDON WC2, England
135. THOMAS' REGISTER OF AMERICAN MANUFACTURERS  
Annual. Product classification, including names and addresses of manufacturers.  
See: Machine tools  
Names of specific machine tools  
Publ.: Thomas Publishing Co.  
461 Eighth Avenue  
NEW YORK, New York 10001, United States of America
136. WER LIEFERT WAS? (Who delivers what?)  
Annual. Text in German; indexes in English, French, German, Italian and Spanish. List of products and firms.  
See: Machine tools  
Order from:  
Bezugsquellennachweis für den Einkauf *Wer liefert was?*  
Postfach 110140  
Ost-West Strasse 49  
2000 HAMBURG 11, Federal Republic of Germany
137. WER LIEFERT WAS? (Who delivers what?)  
Annual. Text in German; indexes and headings in English, French, German and Russian. Product section arranged by broad categories with names and addresses of firms.  
See: Machine tools  
Publ.: Leipziger Messeamt  
Messehaus am Markt 1  
701 LEIPZIG, German Democratic Republic

*C. Branch directories*

138. ANNUAL FORGING DIRECTORY  
See: Precision metal molding  
Publ.: Industrial Publishing Co.  
Division of Pittsburgh Railways Co.  
812 Huron Road  
CLEVELAND, Ohio 44115, United States of America

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139. **BEZUGSQUELLEN-VERZEICHNIS DER FACHGEMEINSCHAFT WERKZEUGMASCHINEN** (Machine tools trade association buyers' guide)  
Annual. Lists manufacturers and addresses. Register in English, French, German, Italian and Spanish.  
Publ.: Fachgemeinschaft Werkzeugmaschinen  
Corneliusstrasse 4  
6000 FRANKFURT/MAIN 1, Federal Republic of Germany
140. **BIG BOOK OF METALWORKING MACHINERY**  
Irregular.  
Publ.: Zulch and Zulch, Inc.  
P.O. Box 4427  
SYLMAR, California, United States of America
141. **BRITISH ASSOCIATION OF MACHINE TOOL MERCHANTS: DIRECTORY**  
Annual. Lists members and their activities, nature of business and agencies held.  
Publ.: British Association of Machine Tool Merchants (BAMTM)  
20 Tooks Court  
LONDON EC4, England
142. **BRITISH MACHINE TOOLS**  
Annual. Lists manufacturers of machine tools and addresses. Text in English; classified indexes in English, French and German. Includes trade names index and display advertisement section, with machine specifications.  
Publ.: Machine Tool Trades Association  
62 Bayswater Road  
LONDON W2, England
143. **CANADIAN MACHINERY AND METALWORKING: METALWORKING CATALOG AND BUYING DIRECTORY**  
Annual. Includes manufacturers of metalworking equipment available in Canada. Suppliers of metals, casting, tools and dies.  
Publ.: Maclean-Hunter Ltd  
481 University Avenue  
TORONTO 2, Ontario, Canada
144. **CATALOGO DE MAQUINAS-HERRAMIENTAS ESPANOLAS DE CALIDAD**  
Annual. Lists manufacturers alphabetically with addresses. Descriptive catalogue of machine tools.  
Publ.: Publicaciones Industriales y Comerciales SA  
Cea Bermúdez 50  
MADRID 3, Spain
145. **DANISH MACHINE TOOLS**  
Annual. Compendium of manufacturers' advertisements. In Danish, English, French, German and Spanish.  
Publ.: Association of Danish Machine Tool Manufacturers  
34 Nørre Voldgade  
1358 COPENHAGEN, Denmark



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146. **DIE DEUTSCHE WERKZEUGINDUSTRIE** (The German machine tool industry)  
Annual. Lists tool and machine tool manufacturers alphabetically and by district, with brand and trade names. Text in German; index of goods in English, French, German and Spanish.  
Publ.: Verlag Rheinischer Werbebund  
Boeddeker und Glaser  
Franz Egon Strasse 23  
PADERBORN, Federal Republic of Germany
147. **DIRECTORY OF ENGINEERING SOCIETIES**  
Irregular.  
Publ.: Engineers Joint Council  
355 East 47th Street  
NEW YORK, New York 10017, United States of America
148. **DIRECTORY OF INDUSTRIAL DISTRIBUTORS**  
Annual. Gives personnel, lines handled and territory covered by distributors of production and maintenance equipment, tools and supplies for manufacturing plants, mines, utilities and other service industries.  
Publ.: McGraw-Hill, Inc.  
1221 Avenue of the Americas  
NEW YORK, New York 10020, United States of America
149. **DIRECTORY OF MACHINE TOOLS AND RELATED PRODUCTS BUILT BY MEMBERS OF THE NATIONAL MACHINE TOOL BUILDERS ASSOCIATION**  
Annual.  
Publ.: National Machine Tool Builders' Association  
7901 Westpark Drive  
MCLEAN, Virginia 22101, United States of America
150. **DIRECTORY OF METALWORKING MACHINERY**  
Irregular. An arrangement by machine types of metalworking machinery manufacturers in United States.  
Publ.: United States Government Printing Office  
Division of Public Documents  
WASHINGTON, D.C. 20402, United States of America
151. **DIRECTORY OF THE METAL-CUTTING MACHINE TOOL INDUSTRY OF WESTERN EUROPE**  
Irregular. Classified directory of principal manufacturers in each country. Lists addresses, capital, products and specialities.  
Publ.: O. W. Raskill and Company  
14 Great College Street  
LONDON SW1 P3RZ, England
152. **EXPORT DIRECTORY FOR METALWORKING MACHINE TOOLS FROM INDIA AND YUGOSLAVIA**  
Irregular.  
Publ.: International Trade Centre (UNCTAD/GATT)  
Villa le Bocage, Palais des Nations  
1211 GENEVA 10, Switzerland
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153. **FOWLER'S MECHANICS AND MACHINISTS POCKET BOOK**  
Annual.  
Publ.: Scientific Publishing Company Ltd  
40 Dalton Street  
MANCHESTER 4, England
154. **GAUGE AND TOOL MAKERS' ASSOCIATION: EXPORT CATALOG**  
Irregular. Compendium of members' avertisements with classified indexes. Text and headings in English, French, German and Spanish.  
Publ.: Gauge and Tool Makers' Association  
2-5 Old Bond Street  
LONDON W1, England
155. **GUIDE INTERNATIONAL DES MACHINES, APPAREILS, OUTILS**  
Annual. In English, French, German, Italian and Spanish.  
Publ.: Hugo Buchser SA  
Dept. Editions Techniques  
Case Stand 402  
1211 GENEVA 11, Switzerland
156. **GUIDE TO INDIAN MACHINE TOOLS**  
Irregular. Lists manufacturers alphabetically, giving classified list of products with brief specifications.  
Publ.: Indian Machine Tool Manufacturers Association  
12 Rampart Row  
BOMBAY, India
157. **HALLET METAL-OUTILLAGE**  
Annual. Manufacturers, importers, wholesalers of ferrous and non-ferrous metal products and tools in Belgium, Luxembourg and the Netherlands listed by town, product and trade mark.  
Publ.: Hallet  
27, boulevard de la 2<sup>e</sup> Armée Britannique  
1190 BRUSSELS, Belgium
158. **HANDBOOK OF INDIGENOUS MANUFACTURERS OF ENGINEERING STORES**  
Annual. Lists manufacturers of machinery, machine tools and accessories. Alphabetical index of firms.  
Publ.: Manager of Publications  
Civil Lines  
NEW DELHI 6, India
159. **HITCHCOCK'S MACHINE AND TOOL BUYER'S DIRECTORY**  
Annual. Lists products in the machine tool field, trade names, trade associations, brand names and manufacturers.  
Publ.: Hitchcock Publishing Co.  
Hitchcock Building  
WHEATON, Illinois 60187, United States of America

160. L'INDUSTRIA DELL'OTTICA, MECCANICA FINE E DI PRECISIONE  
(Guide to Italian industries of fine and precision mechanics)  
Irregular. Text in Italian; index in English, French, German and Spanish.  
Publ.: Assottica  
Via Brisa 3  
MILAN, Italy
161. ITALIAN MACHINE TOOLS, ATTACHMENTS AND MACHINE TOOL  
PARTS  
Three times a year. Catalogue section arranged by manufacturer with  
illustrations and technical data.  
Publ.: Unione Costruttori Italiani Macchine Utensili  
Via Monte Rosa 21  
20149 MILAN, Italy
162. JOURNAL OF THE NATIONAL TOOL, DIE AND PRECISION  
MACHINING ASSOCIATION  
Annual. Geographic list of member companies coded by types of special  
tooling produced.  
Publ.: National Tool, Die and Precision Machining Association  
1411 K Street, N.W.  
WASHINGTON, D.C. 20005, United States of America
163. MACHINE AND TOOL MASTER CATALOG AND PURCHASING  
DIRECTORY  
(Formerly *Machine and tool directory*)  
Annual. An alphabetical list of 2,000 manufacturers, distributors and  
trade names in machine tool industry.  
Publ.: Hitchcock Publishing Co. (see entry 159)
164. MACHINERY'S ANNUAL BUYER'S GUIDE  
Annual. Alphabetical and classified list of manufacturers and suppliers of  
machine tools, small tools and other plant equipment. Text in English;  
glossaries in French, German, Italian, Russian and Spanish.  
Publ.: Machinery Publishing Co. Ltd  
Clifton House, Euston Road  
LONDON NW1, England  
and  
Industrial Press  
200 Madison Avenue  
NEW YORK, New York 10016, United States of America
165. MACHINE TOOL DIRECTORY  
Irregular.  
Publ.: E. B. Savory Milln and Company  
Northgate House, Moorgate  
LONDON EC2, England
166. MACHINE TOOLS AND RELATED PRODUCTS  
Annual. Alphabetical list of all members of the National Machine Tool  
Builders' Association, including their complete products and pertinent  
specifications.  
Publ.: National Machine Tool Builders' Association  
(see entry 149)

167. **MACHINE TOOLS: MACHINERY DEALERS' NATIONAL ASSOCIATION**  
Annual. Lists names, addresses and key personnel of dealers in United States and Canada in used metalworking machinery and tools.  
Publ.: Machinery Dealers' National Association  
P.O. Box 19128  
WASHINGTON, D.C. 20036, United States of America
168. **MODERN MACHINE SHOP NC GUIDEBOOK AND DIRECTORY**  
Annual.  
Publ.: Gardner Publications  
600 Main Street  
CINCINNATI, Ohio 45202, United States of America
169. **SAVORY MILLN'S ENGINEERING DIRECTORY**  
Irregular. 2 vols.  
Part 1: 306 p. Industry background and companies, including 150 public companies in the engineering, machine tool and other industries. Lists director, activities, capital turnover and profits, operating divisions and companies, estimated share of the United Kingdom market.  
Part 2: 45 p. Company operating statistics and ratios.  
Publ.: E. B. Savory Milln and Company (see entry 165)
170. **SWEDISH MACHINE TOOLS**  
Irregular. Catalogue of members of the Association of Swedish Machine Tool Manufacturers (FVM) with detailed listing of products and extensive technical data. In English, French and German.  
Publ.: Foereningen Svenska Verktygsmaskintillverkare (FVM)  
Box 5506  
114 85 STOCKHOLM, Sweden
171. **SWEET'S CATALOG SERVICE: MACHINE TOOL CATALOG**  
Annual. A buyer's guide in six parts, one of which is *Machine Tool Catalog*.  
Publ.: F. W. Dodge Corp.  
330 West 42nd Street  
NEW YORK, New York 10036, United States of America
172. **TASCHENBUCH DER WERKZEUGMASCHINEN UND WERKZEUGE**  
(Handbook of machine tools and tools)  
Annual. Lists manufacturers, suppliers firms and products; gives addresses.  
Publ.: Schiele und Schoen Verlag  
Markgrafenstrasse 11  
1000 BERLIN 61, Federal Republic of Germany
173. **USED MACHINE TOOLS AND METALWORKING EQUIPMENT BUYER'S GUIDE**  
Annual.  
Publ.: Machinery Dealers' National Association (see entry 167)

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**174. UTENSILERIA**

Irregular. Lists Italian manufacturers of tools.

Publ.: Istituto Nazionale per il Commercio Estero  
Via Liszt 21  
ROME, Italy

**175. WER BAUT MASCHINEN? (Who makes machinery? )**

Annual. Special buyer's guide for machinery, apparatuses and precision tools in Federal Republic of Germany and West Berlin. Alphabetical and classified guides. In English, French, German and Spanish.

Publ.: Hoppenstedt Wirtschaftsverlag GmbH  
Havelstrasse 9  
6100 DARMSTADT, Federal Republic of Germany

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### SECTION III

#### SOURCES OF STATISTICS, MARKETING AND OTHER ECONOMIC DATA

##### *A. World-wide coverage*

176. **BULLETIN OF STATISTICS ON WORLD TRADE IN ENGINEERING PRODUCTS/BULLETIN DE STATISTIQUES DU COMMERCE MONDIAL DES PRODUITS DES INDUSTRIES MECANIQUES ET ELECTRIQUES**  
Prepared by the Economic Commission for Europe (ECE). Annual. 1972. (Sales No. 74.II.E.5)  
Publ.: United Nations  
Sales Section  
NEW YORK, New York 10017, United States of America
177. **COMMODITY TRADE STATISTICS**  
Prepared by the Statistical Office of the United Nations. Each issue provides import and export statistics on commodities for different groups of countries. Commodities are arranged by Standard International Trade Classification (SITC). (Statistical papers, series D-ST/STAT/SER.7).  
See: Metalworking machinery, Index No. 715  
Publ.: United Nations (see entry 176)
178. **THE ENGINEERING INDUSTRIES IN NORTH AMERICA: EUROPE: JAPAN**  
6th ed. 1965. 200 p. In English. Contains trends in production, employment, raw materials, wages, prices of engineering products. Also covers world trade in engineering products.  
See: Manufacture of metalworking machine tools, 3823  
Publ.: Organisation for Economic Co-operation and Development (OECD)  
Château de la Muette  
2, rue André Pascal  
75016 PARIS, France
179. **INDUSTRIAL DEVELOPMENT SURVEY**  
Prepared by the United Nations Industrial Development Organization (UNIDO). 1973. 210 p. Reviews the course of industrial development, productivity and investment in manufacturing and discusses structural change in the economies of developing and developed countries over the past 15 years. (Industrial development survey series, vol. 5) (Sales No. 73.II.B.9)  
Publ.: United Nations (see entry 176)

180. **PROFILES OF MANUFACTURING ESTABLISHMENTS**  
(UNIDO industrial planning and programming series, ID/SER.E 4, 5, 6 and 8)

- Vol. 1: 1967. 363 p. (Sales No. 67.II.B.17)
- Vol. 2: 1968. 818 p. (Sales No. 68.II.B.13)
- Vol. 3: 1971. 1313 p. (Sales No. 71.II.B.12)
- Vol. 4: 1974. 255 p. (Sales No. 74.II.B.13)

Each volume gives detailed statistical analyses of individual establishments in several countries.

See: Rolling, drawing and casting of ferrous metals Vol. 1-3  
Manufacture of machinery, non-electrical 1-3  
Metalworking machinery 4  
Machine tools for working metals 4

Publ.: United Nations (see entry 176)

181. **STATISTICAL YEARBOOK**

Prepared by the Statistical Office of the United Nations. Annual. 1974. 877 p. In English and French. Lists world production of primary commodities and manufactured goods. (Sales No. 75.XVII.1)

See: Industrial production, Index Nos. 9-11

Publ.: United Nations (see entry 176)

182. **WORLD TRADE ANNUAL**

Prepared by the Statistical Office of the United Nations. Annual. 1972. 5 vols. Gives imports and exports by volume and value for all reporting countries. Arranged by Standard International Trade Classification (SITC).

See: Machine tools for metal, Index No. 715

**1972 SUPPLEMENT TO THE WORLD TRADE ANNUAL: TRADE OF THE INDUSTRIALIZED NATIONS WITH EASTERN EUROPE AND THE DEVELOPING COUNTRIES**

- Vol. 1: Eastern Europe. 386 p.
- Vol. 2: South and Central America. 580 p.
- Vol. 3: Africa. 594 p.
- Vol. 4: The Near East. 241 p.
- Vol. 5: The Far East. 538 p.

Order from:

Walker and Co.

720 Fifth Avenue

NEW YORK, New York 10019, United States of America

183. **YEARBOOK OF INDUSTRIAL STATISTICS**

(Formerly *The Growth of World Industry*)

Prepared by the Statistical Office of the United Nations. Annual. 2 vols. Arranged by International Standard Industrial Classification (ISIC).

- Vol. 1: 1976. 661 p. General industrial statistics for 1969-1973. In English and French. Arranged by country. Tables give number of establishments, number of persons employed, salaries and wages etc. (Sales No. 76.XVII.3)

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Vol. 2: 1976. 709 p. Commodity production data for 1965-1974  
(Sales No. 76.XVII.4).

See: Metal products, machinery and equipment, No. 28

Publ.: United Nations (see entry 176)

184. **YEARBOOK OF INTERNATIONAL TRADE STATISTICS**  
Prepared by the Statistical Office of the United Nations. Annual. 1974.  
856 p. Data include international trade statistics arranged by country and  
by Standard International Trade Classification (SITC) within each  
country. (Sales No. 73.XVII.12).

See: Metalworking machinery *Index No. 715*  
Machine tools for metal 7151

Publ.: United Nations (see entry 176)

*B. Regional coverage*

185. **THE ENGINEERING INDUSTRIES IN OECD MEMBER COUNTRIES/  
LES INDUSTRIES MECANIKES ET ELECTRIQUES DANS LES PAYS  
MEMBRES DE L'OCDE 1963-1970**  
2 vols. 184 p. In English and French. Contains statistics on production,  
employment, prices of engineering products and the principal factors of  
demand.

See: Manufacture of metalworking machine tools, No. 3823

Publ.: Organisation for Economic Co-operation and Development (OECD)  
(see entry 178)

186. **SOURCES OF STATISTICS FOR MARKET RESEARCH. GUIDE:  
EUROPE AND NORTH AMERICA**  
1963.

See: Machine tools, Vol. 5

Publ.: Organisation for Economic Co-operation and Development (OECD)  
(see entry 178)

*Asia and the Pacific*

187. **STATISTICAL YEARBOOK FOR ASIA AND THE PACIFIC/  
ANNUAIRE STATISTIQUE POUR L'ASIE ET LE PACIFIQUE**  
Prepared by the Statistical Office of the Economic and Social Commission  
for Asia and the Pacific (ESCAP) and the Statistical Office of the United  
Nations. Annual. 1974. 470 p. In English and French. Presents detailed  
country and regional tables of consolidated data. (Sales No. 75.II.F.15)

Publ.: United Nations (see entry 176)



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*Europe*

188. **INDUSTRIESTATISTIK/STATISTIQUES INDUSTRIELLES/  
STATISTICHE DELL'INDUSTRIA/INDUSTRIESTATISTIEK/INDUS-  
TRIAL STATISTICS**

Annual and quarterly. In Dutch, English, French, German and Italian. Yearbook of statistical data covering Belgium, Denmark, France, Federal Republic of Germany, Ireland, Italy, Luxembourg, Netherlands, and the United Kingdom.

See: Manufacturing tools and finished articles of metal

Publ.: Statistical Office of the European Communities  
Centre Européen, Kirchberg  
P.O. Box 1907  
LUXEMBOURG, Luxembourg

189. **SURVEY OF ELECTRIC POWER EQUIPMENT**

In English and French. Gives a general picture of achievements and prospects in the industry and contains a detailed study of trends in European countries.

Publ.: Organisation for Economic Co-operation and Development (OECD)  
(see entry 178)

*C. National coverage*

*Austria*

190. **OESTERREICHS INDUSTRIE (Austria's industry)**

Every two years. Contains production statistics, quantity and value. Includes material on metals, machinery, construction and iron and metal products.

Publ.: Carl Ueberreuter  
Alserstrasse 24  
1090 VIENNA

*Belgium*

191. **STATISTIQUES ANNUELLES DE LA PRODUCTION**

Annual. In French.

Publ.: Institut national de statistique  
44, rue de Louvain  
BRUSSELS I

192. **STATISTIQUES INDUSTRIELLES**

Monthly. In French. Monthly indices of industrial production in general and for particular industries.

See: Metal manufacturers

Publ.: Institut national de statistique (see entry 191)

*Denmark*

193. **INDUSTRIEL PRODUKTIONSSTATISTIK** (Statistics of industrial production)  
Annual. Text in Danish; table of contents, main headings and some notes also in English.  
Publ.: Einar Munksgaard AS  
Prags Boulevard 47  
COPENHAGEN

*Finland*

194. **TEOLLISUUSTILASTO: INDUSTRISTATISTIK** (Industrial statistics)  
Annual. Text in Finnish and Swedish; table of contents and table headings also in English.  
Publ.: Valtion Painatuskesku  
Annankatu 44  
HELSINKI 10

*France*

195. **ANNUAIRE DE STATISTIQUES INDUSTRIELLES**  
Annual. In French. Data on specific industries.  
See: Mechanical and electric industries  
Publ.: Imprimerie nationale  
2, rue Paul Hervieu  
75015 PARIS
196. **BULLETIN MENSUEL DE STATISTIQUE INDUSTRIELLE**  
Monthly. In French. Each issue gives data for the last full calendar year, the last five quarters and the last four months.  
Publ.: Bureau central de statistique industrielle  
Ministère de l'industrie  
85, boulevard de Montparnasse  
75006 PARIS

*Germany, Federal Republic of*

197. **INDUSTRIELLE PRODUKTION** (Industrial production)  
Quarterly. Survey giving quantity and value of production for 2,300 commodities, including raw materials, heavy industry and consumer goods. (Industrie und Handwerk, Reihe 3)  
Publ.: W. Kohlhammer GmbH  
Postfach 1150  
65 MAINZ

*Hungary*

198. **IPARI ADATTAR** (Collection of data on industry)  
2nd ed. 1966. Data on industrial organization, mechanical installations, production, productivity and employment.  
Publ.: Kultura Trading Enterprises  
Fou 32  
BUDAPEST 1

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*India*

199. ANNUAL SURVEY OF INDUSTRIES, NO. 9: MACHINERY  
1965.

Order from:  
Manager of Publications  
Civil Lines  
NEW DELHI 6

200. THE CENSUS OF MACHINE TOOLS: INDIA  
2nd ed. 1968. Data on the numbers of machine tools in India by type, age  
and place of manufacture.

Publ.: Central Machine Tool Institute  
Tumkur Road  
BANGALORE 22

*Italy*

201. ANNUARIO DE STATISTICHE INDUSTRIALI (Yearbook of industrial  
statistics)

Summary of principal data; figures on production and consumption,  
installed machinery, prices and salaries and foreign trade.

Publ.: Libreria Istat  
Via A. Depretis 82  
ROME

*Japan*

202. INDUSTRIAL STATISTICS MONTHLY  
Indices of industry groups, production, inventories and shipments.

Publ.: Research Institute of International Trade and Industry  
c/o Tsusansho Ginza-Chosa  
15-1 Ginza, 6-chome  
Chiyoda-ku  
TOKYO 104

203. STATISTICS ON JAPANESE INDUSTRIES  
In English. A basic statistical reference book for industry.

Publ.: Government Publications Service Centre  
Kasumigaseki  
Chiyoda-ku  
TOKYO

*Netherlands*

204. MAANDSTATISTIEK VAN INDUSTRIE (Monthly statistical bulletin for  
industry)  
In Dutch and English. General data and index numbers of industrial  
production.

See: Metal and metal products

Publ.: Staatsuitgeverij  
Christoffel Plantijnstraat  
'S GRAVENHAGE

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205. **PRODUKTIESTATISTIEKEN (Production statistics)**  
Annual. In Dutch and English. Separate volumes for each industry.  
See: Mechanical and construction engineering  
Publ.: Staatsuitgeverij (see entry 204)

*Poland*

206. **ROCZNIK STATYSTYCZNY (Statistical yearbook on industry)**  
In English and Polish.  
Publ.: Księgarnia Naukowa im B Prusa  
Karkowskie Przedmieście  
WARSAW

*Romania*

207. **ENGINEERING AND METALWORKING**  
Data on production, labour and investment. (Romanian industry, No. 5)  
Publ.: Joseph Crosfield and Sons Ltd  
WARRINGTON, England

*United Kingdom of Great Britain and Northern Ireland*

208. **BUSINESS MONITOR. PRODUCTION SERIES: METALWORKING  
MACHINE TOOLS**  
Quarterly.  
Publ.: Her Majesty's Stationery Office  
Box 569  
LONDON SE1
209. **CENSUS OF PRODUCTION**  
Reports. A full census of production, taken every five years; includes data  
for Northern Ireland.  
Publ.: Her Majesty's Stationery Office (see entry 208)
210. **SAVORY MILLN'S ENGINEERING DIRECTORY**  
1972. 2 vols. Vol. 2 gives operating statistics and ratios for 150 public  
companies in the engineering, machine tool and other industries.  
Publ.: E. B. Savory Milln and Company  
Northgate House, Moorgate  
LONDON EC2R 6AQ

*United States of America*

211. **ANNUAL SURVEY OF MANUFACTURERS**  
Supplements the *Census of Manufacturers*.  
Publ.: United States Bureau of the Census  
WASHINGTON, D.C. 20230

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212. **CENSUS OF MANUFACTURERS**  
1967. 3 vols. Census taken every five years.
- Vol. 1: Summary and subject statistics, such as size of establishments, types of organization and manufacturers' inventories.
- Vol. 2: Gives for each industry statistics on product shipments and materials consumption, costs of fuels and electrical energy, payrolls, employment etc
- Vol. 3: In two parts. Gives statistics by state, county and city with population of over 10,000.
- Publ.: United States Bureau of the Census (see entry 211)
213. **METAL-CUTTING TOOLS: VALUE OF SHIPMENTS FOR SELECTED YEARS**  
Every two years.
- Publ.: Department of Commerce  
United States Bureau of the Census  
WASHINGTON, D.C. 20230
214. **METALWORKING MACHINERY**  
Quarterly. Provides up-to-date information on production, employment, sales, inventories and orders. (Current industrial reports, series MQ35W)
- Publ.: Department of Commerce (see entry 213)
215. **NATIONAL MACHINE TOOL BUILDERS ASSOCIATION: REPORTS**  
Monthly.
- Publ.: National Machine Tool Builders' Association  
7901 Westpark Drive  
McCLEAN, Virginia 22101
216. **SURVEY OF CURRENT BUSINESS**  
Monthly, with weekly statistical supplements. Indexes current business statistics, including machine tools.
- Publ.: Superintendent of Documents  
United States Government Printing Office  
WASHINGTON, D.C. 20402
217. **UNITED STATES FOREIGN TRADE: OVERSEAS BUSINESS REPORTS**
- Publ.: Department of Commerce  
Bureau of International Commerce  
WASHINGTON, D.C. 20230
218. **US INDUSTRIAL OUTLOOK**  
Pinpoints levels of business activity for major industries in United States. Includes a detailed analysis of over 200 individual industries or groups of related industries. Updates much of the information in the *Census of Manufacturers*.
- Publ.: Superintendent of Documents (see entry 216)
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## SECTION IV

### BASIC HANDBOOKS, TEXTBOOKS AND MANUALS

219. AMERICAN SOCIETY OF TOOL AND MANUFACTURING ENGINEERS. Die design handbook, 2nd ed. New York, McGraw-Hill, 1965.
220. \_\_\_\_\_ Fundamentals of tool design. Englewood Cliffs, New Jersey, Prentice-Hall, 1962.
221. \_\_\_\_\_ Handbook of fixture design. New York, McGraw-Hill, 1962.
222. \_\_\_\_\_ Machining with carbides and oxides. New York, McGraw-Hill, 1962.
223. \_\_\_\_\_ Numerical control in manufacturing. New York, McGraw-Hill, 1963.
224. \_\_\_\_\_ Tool engineer's handbook. 2nd ed. New York, McGraw-Hill, 1959.
225. ATCHERKANE, N. Les machines-outils travaillant par enlèvement de métal. 3 vols. Paris, Société de publications mécaniques, 1968.
226. BEGEMAN, M. L. Manufacturing processes. 6th ed. New York, Wiley, 1969.
227. BRADLY, I. History of machine tools. New York, International Publications Services, 1972.
228. BREDIN, H. W. Tooling method and ideas. New York, Industrial Press, 1967.
229. BRIGLEN ENGINEERING LTD, GUERNSEY. Study on industrial machinery, especially machine tools. Guernsey. (No date)
230. BRUINS, D. H. Werkzeuge und Werkzeugmaschinen für die spannende Metallbearbeitung (Tools and machine tools for metal-cutting). Munich, Carl Hanser, 1970.
231. DESEMERY, P. Machines-outils à la portée de tous. 2 vols. Paris, Société de publications mécaniques, 1952.
232. DOYLE, L. E. Tool engineering: analysis and procedure. Englewood Cliffs, New Jersey, Prentice-Hall, 1953.

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233. FEIRER, J. and E. E. TATRO. Machine tool metalworking: principles and practice. New York, McGraw-Hill, 1961.
234. GAVRYUSHIN, A. A. Metal-cutting machine tools. London, Central Books, 1967. Translated from Russian.
235. GERLING, H. All about machine tools: a handbook. New York, Wiley, 1973. Translated from German.
236. GOUGH, P. J., ed. Swarf and machine tools. New Rochelle, New York, Machine Tool Industry Research Association, 1971.
237. HABICHT, F. H. Modern machine tools. New York, Van Nostrand-Reinhold, 1963.
238. HINE, C. R. Machine tools and processes for engineers. New York, 1971.
239. HORTEN, H. E. Tool room machinery in four languages. New York, Industrial Press, 1966.
240. HOWE, R. E., ed. Producibility and machinability of space-age and conventional materials. Detroit, Michigan, Society of Manufacturing Engineers, 1968.
241. HOYLAND, J. Engineering construction and materials. 2nd ed. London, Cassell, 1972.
242. INSTITUTION OF PRODUCTION ENGINEERS. Jig and fixture design. London, 1973.
243. KHAIMOVICH, Y. M. Hydraulic control of machine tools. New York, Pergamon Press, 1965.
244. KRAR, O. *et al.* Technology of machine tools. Text edition. New York, McGraw-Hill, 1969.
245. LECOEUR, E. Machines-outils. Paris, Delagrave. (No date.) 3 vols. with diapositives.
246. LITTON, J. and W. C. PORRITT. Machine tool maintenance and rebuilding. Brighton, England, Machinery Publishing Co., 1970.
247. LOPEZ, C. A. Atlas. Calculador de ruedas para pasos en máquinas-herramientas. Madrid, Ediciones Máquinas, 1965.
248. LYMAN, T., ed. Metals handbook. 8th ed. Metals Park, Ohio, American Society for Metals, 1967.  
See: Machining, Vol. 3
249. MACHINE TOOL DESIGN. 4 vols. London, Central Publishers, 1970. Translated from Russian by N. Weinstein.  
Vol. 1: By N. Lisitsyn.  
Vol. 2: By A. Fedotyonok and V. Yermakov.  
Vol. 3: By N. Acherkan *et al.*  
Vol. 4: By N. Ignatyev *et al.*

250. NATIONAL COUNCIL OF APPLIED ECONOMIC RESEARCH. Demand for machine tools. New Delhi, 1965.
251. PATTON, W. J. Machine tool operations. Englewood Cliffs, New Jersey, Prentice-Hall, 1974.
252. POLLACK, H. Manufacturing and machine tool operations. Englewood Cliffs, New Jersey, Prentice-Hall, 1968.
253. PRONIKOV, A. S. Raschet i konstruirovaniye metallovezhushchikh stankov (Design and construction of metal-cutting machine tools). 2nd ed. Moscow, Vysshaya Shkola, 1967.
254. PUCKLE, O. S. Introduction to the numerical control of machine tools. New York, Wiley, 1964.
255. ROLT, L. T. C. Tools for the job: a short history of machine tools. London, Batsford, 1965.
256. ROSSI, M. Máquinas herramientas modernas. 5th ed. Barcelona, Científico-Médica, 1966.
257. SALMON, P. Machines-outils, réception, vérification. Paris, Société de publications mécaniques, 1965.
258. SCHLESINGER, G. Testing machine tools. 7th ed. New York, Industrial Press, 1970.
259. SCHMIDT-KARLSRUHE, W. Werkzeugmaschinen: Atlas in sechs Lieferungen. (Machine tool atlas in six parts). 1959-1966 (Lfg. 6:1966). Düsseldorf, Federal Republic of Germany, VDI Verlag, 1968.
260. SIMON, W. The numerical control of machine tools. 2nd rev. ed. New York, Crane-Russak Co., 1972.
261. STEEDS, W. Engineering materials, machine tools and processes. 4th ed. London, Longman, 1964.
262. TOWN, L. C. Design and construction of machine tools. Levittown, New York, Transatlantic, 1971.
263. WILBOURN, D. B. and J. D. SMITH. Machine tool dynamics: an introduction. London, Cambridge University Press, 1970.
264. WOODBURY, R. S. Studies in the history of machine tools. Boston, Massachusetts, MIT Press, 1972. (History of science and technology series)



## SECTION V

### CURRENT PERIODICALS

265. **AUSTRALIAN MACHINERY AND PRODUCTION ENGINEERING**  
Monthly.  
Publ.: Australian Trade Publications  
28 Chippen Street  
CHIPPENDALE, New South Wales, Australia
266. **BULGARIAN ACADEMY OF SCIENCES, INSTITUTE OF MECHANICS: BULLETIN**  
Text in Bulgarian; summaries in English, French and German.  
Publ.: Publishing House of the Bulgarian Academy of Sciences  
Geo Milev Street 36  
SOFIA 13, Bulgaria
267. **CANADIAN MACHINERY AND METALWORKING**  
Monthly. Advertisements, book reviews, charts and illustrations.  
Publ.: Maclean-Hunter Publishing Co. Ltd.  
481 University Avenue  
TORONTO M5W 1A7, Ontario, Canada
268. **CIVILTA DELLE MACCHINE (Machine civilization)**  
Every two months. In English, French, German, Italian and Spanish.  
Advertising, charts, book reviews and illustrations.  
Publ.: Edindustria Editoriale SPA  
Via Due Macelli 23  
ROME, Italy
269. **CUTTING TOOL ENGINEERING**  
Monthly. Intended for operating management personnel in the metalworking industry.  
Publ.: Technifax Publications, Inc.  
P.O. Box 937  
WHEATON, Illinois 60187, United States of America
270. **DIE CASTING ENGINEER**  
Every two months. Advertising, statistics and trade literature.  
Publ.: Society of Die Casting Engineers, Inc.  
16007 West 8 Mile Road  
DETROIT, Michigan 48235, United States of America

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271. **DIEMAKING, DIECUTTING AND CONVERTING**  
Six times a year.  
Publ.: North American Publishing Co.  
134 North 13th Street  
PHILADELPHIA, Pennsylvania 19107, United States of America
272. **FACTORY AND INDUSTRIAL EQUIPMENT**  
Six times a year. Advertising and illustrations.  
Publ.: Mercury House Business Publications Ltd  
Product Information Division  
Mercury House, Waterloo Road  
LONDON SE1 8UL, England
273. **GEPGYARTASTECHNOLOGIA (Technology of machine construction)**  
Monthly. Text in Hungarian; summaries in English, German and Russian.  
Publ.: Kultura  
Box 149  
1389 BUDAPEST 62, Hungary
274. **INDIAN MACHINE TOOLS JOURNAL**  
Monthly.  
Publ.: Indian Machine Tool Manufacturer's Association  
75 New Stock Exchange Building  
Apollo Street, Fort  
BOMBAY 400001, India
275. **INDUSTRIAL MACHINERY NEWS**  
Monthly. Illustrations, specifications, trends and charts dealing with  
buying and selling metalworking machinery and equipment.  
Publ.: Industrial Machinery News Corp.  
P.O. Box 727  
DEARBORN, Michigan 48121, United States of America
276. **INDUSTRIAL MARKETPLACE**  
Twice a week.  
Publ.: Joel Wineberg  
4257 West Main Street  
SKOKIE, Illinois 60076, United States of America
277. **INTERNATIONAL JOURNAL OF MACHINE TOOL DESIGN AND  
RESEARCH**  
Quarterly.  
Publ.: Pergamon Press  
Journals Department  
Maxwell House, Fairview Park  
ELSMFORD, New York 10523, United States of America
278. **INTERNATIONAL PRESS CUTTING SERVICE: MACHINE TOOL  
AND IRON STEEL INDUSTRY**  
Weekly.  
Publ.: International Press Cutting Service  
Box 63  
ALLAHABAD, India

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279. **INTER-TECNIC: TOUTES LES INNOVATIONS TECHNIQUES INTERNATIONALES/INTER-TECNIK: ALLE INTERNATIONALE TECHNISCHE NIEUWIGHEDEN**  
Monthly. In Dutch and French. Book reviews, abstracts, advertising, statistics and trade literature.  
Publ.: Federation of Belgian Importers and Merchants of Machine Tools  
44, avenue Dauw et Defosse  
1600 ZUEN-LEZ-BRUSSELS, Belgium
280. **JOURNAL OF THE NATIONAL TOOL, DIE AND PRECISION MACHINING ASSOCIATION**  
Annual.  
Publ.: National Tool, Die and Precision Machining Association  
1411 K Street, N.W.  
WASHINGTON, D.C. 20022, United States of America
281. **KONSTRUKTION IM MASCHINEN-, APPARATE- UND GERAETEBAU (Construction in machine, instrument and tool building)**  
Annual. Abstracts, bibliographies, charts, book reviews, patents and illustrations.  
Publ.: Springer Verlag  
Heidelberger Platz 3  
1000 BERLIN 33, Federal Republic of Germany  
or  
175 Fifth Avenue  
NEW YORK, New York 10010, United States of America
282. **MACCHINE: RASSEGNA TECNICA DELL'INDUSTRIA MECCANICA (Machines: technical review of the mechanics industry)**  
Monthly. Book reviews, abstracts, advertising, charts and bibliographies.  
Publ.: Editoriale Tecnica Macchine  
Via Uberti 13  
20129 MILAN, Italy
283. **MACHINE AND MACHINERY**  
Monthly. In English.  
Publ.: L. K. Pandeya  
Block F  
105c New Alipore  
CALCUTTA 53, India
284. **MACHINE AND TOOL BLUE BOOK**  
Monthly. Information on techniques, processes and materials that aid industrial modernization and productivity.  
Publ.: Hitchcock Publishing Company  
Hitchcock Building  
WHEATON, Illinois 60187, United States of America
285. **MACHINE BUILDING INDUSTRY**  
Prepared by Indian Machine Tool Manufacturers Association. Monthly. Advertisements, charts and illustrations.

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Publ.: Chary Publications  
14 Sidh Prosad  
Ghatkopar Mahul Road  
Tilak Nagar  
BOMBAY, India

286. **MACHINE-OUTIL**  
(Formerly *Machine-outil française*)  
Monthly. Statistics, advertisements, book reviews and charts.  
Publ.: Société d'édition pour la mécanique et la machine-outil  
35, rue Grande Fontaine  
ST. GERMAIN-EN-LAYE, France
287. **MACHINERY**  
Monthly. Engineering and production in the manufacture of metal and plastic products. Book reviews and advertising. Available in microform.  
Publ.: Machinery Publications Corp.  
350 Fifth Avenue  
NEW YORK, New York 10001, United States of America
288. **MACHINERY AND MACHINE TOOL JOURNAL**  
Monthly. Advertising, book reviews, statistics and illustrations.  
Publ.: Shri Shiv Kumar Shara  
5a Ansari Road  
Daryo Ganj  
NEW DELHI 6, India
289. **MACHINERY AND PRODUCTION ENGINEERING**  
(Formerly *Machinery*)  
Weekly. A journal of production engineering and machine tools. Advertisements, book reviews, charts and illustrations.  
Publ.: Machinery Publishing Company Ltd  
New England House, New England Street  
BRIGHTON BN1 4HN, England
290. **MACHINERY MARKET AND THE MACHINERY AND ENGINEERING MATERIALS GAZETTE**  
Weekly. Charts, illustrations, market patterns and statistics.  
Publ.: Machinery Market Ltd  
146a Queen Victoria Street  
LONDON EC4 V5AR, England
291. **MACHINES AND TOOLING**  
Monthly. English translation of *Stanki i Instrument*. Abstracts, advertising, book reviews, charts and statistics.  
Publ.: Production Engineering Research Association  
Melton Mowbray  
LEICESTER, England
292. **MACHINES FRANÇAISES**  
Quarterly. In English, French, German and Spanish.  
Publ.: Société d'édition pour la mécanique et la machine-outil (see entry 286)

293. **MACHINE TOOL ENGINEER**  
Quarterly.  
Publ.: Hindustan Machine Tools  
BANGALORE 31, India
294. **MACHINE TOOL ENGINEERING**  
(Formerly *British Machine Tool Engineering*)  
Quarterly. Prepared by machine tool makers. Advertisements, book reviews, charts and illustrations.  
Publ.: Associated British Machine Tool Makers Ltd  
20 Park Street  
LONDON W1Y 4NA, England
295. **MACHINE TOOL MONTHLY**  
(Formerly *Manufacturing Engineer*)  
Book reviews, advertisements, charts, illustrations and statistics; tabloid format.  
Publ.: TecPress Group GPO  
Box 4318  
SYDNEY, New South Wales, Australia
296. **MACHINE TOOL REVIEW**  
Every two months.  
Publ.: Alfred Herbert Ltd  
Box 30  
COVENTRY, England
297. **MACHINING DATA HANDBOOK**  
Irregular.  
Publ.: National Technical Information Service  
United States Department of Commerce  
SPRINGFIELD, Virginia 22151, United States of America
298. **MANUFACTURING ENGINEERING AND MANAGEMENT MONTHLY**  
(Formerly *Tool and Manufacturing Engineer*)  
Publ.: Society of Manufacturing Engineers  
20501 Ford Road  
DEARBORN, Michigan 48128, United States of America
299. **MAQUINAS Y EQUIPOS: RESUMEN DE NOVEDADES TECNICAS PARA LA FABRICA Y EL TALLER**  
Monthly. Advertising, charts and illustrations.  
Publ.: Sergio Golova  
Avenida de Mayo 963  
BUENOS AIRES, Argentina
300. **MARCHE SUISSE DES MACHINES**  
Every two months. In French. Advertising, illustrations and statistics; tabloid format.  
Publ.: Hudson Fachpresse  
9403 GOLDACH, Switzerland

301. **MASCHINE MIT ANTRIEBS- UND GETRIEBE-TECHNIK** (Machines with propulsion and transmission technology)  
(Formerly *Maschine*)  
Monthly. Magazine for manufacturing technology and construction in general machine building. Advertising, book reviews, charts, trade literature and illustrations.  
Publ.: AGT Verlag Georg Thum  
Postfach 109  
714 LUDWIGSBURG, Federal Republic of Germany
302. **MASCHINENBAUTECHNIK** (Machine building technology)  
Monthly. Scientific and technical magazine for research, development and construction in the area of machine building. Advertising, book reviews, charts and illustrations.  
Publ.: VEB Verlag Technik  
Oranienburgerstrasse 13-14  
102 BERLIN, German Democratic Republic
303. **MASCHINENBAU UND FERTIGUNGSTECHNIK DER UDSSR**  
(Machine building and manufacturing technology of the USSR)  
Monthly. Charts, illustrations and trade literature.  
Publ.: Institut für Wissenschaftliche Information aus der Sowjetunion  
Postfach 721  
51 AACHEN, Federal Republic of Germany
304. **MASCHINENMARKT** (Machinery market)  
Fortnightly. Advertising, book reviews and trade literature.  
Publ.: Vogel Verlag  
Max Planck Strasse 7-9  
WUERZBURG, Federal Republic of Germany
305. **MASCHINENSCHADEN** (Machine defects)  
Every two months. Research on and prevention of defects in technical design. Text in German; summaries in English and French.  
Publ.: Allianz Versicherungs-AG  
Königinstrasse 28  
8000 MUNICH 22, Federal Republic of Germany
306. **MASCHINEN UND STAHLBAU/AUSTRIAN MACHINERY AND STEEL CONSTRUCTION REVIEW**  
(Formerly *Maschinen- und Stahlbauindustrie in Oesterreich*)  
Monthly. Advertising and charts.  
Publ.: Fachverband der Maschinen- und Stahlbauindustrie Oesterreichs  
Bauernmarkt 13  
1010 VIENNA, Austria
307. **MASCHINE UND WERKZEUG** (Machine and tool)  
Fortnightly. Fact sheet for new construction and factory technology, manufacturing and workshop. Book reviews, advertising and trade literature. With cumulative index covering 70 years.  
Publ.: Verlag Karl Uhl and Company  
Postfach 683  
8630 COBURG, Federal Republic of Germany

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308. **MASHINOSTROENE (Machine building)**  
Ten times a year. Text in Bulgarian; summaries in English, German and Russian. Book reviews, abstracts, bibliographies, charts, patents and advertising.  
Publ.: Ministry of Machine Construction  
Slavyanska Street 8  
SOFIA, Bulgaria
309. **MASINOSTROITEL (Machine builder)**  
Monthly. Bibliographies, book reviews, charts, illustrations and indexed chemical abstracts; tabloid format.  
Publ.: Mezhdunarodnaia Kniga  
Smolenskaia Sennaia 32-34  
MOSCOW G-200, Union of Soviet Socialist Republics
310. **MASHINOVEDENIE (Machine science)**  
Every two months. Charts, illustrations and index.  
Publ.: Mezhdunarodnaia Kniga (see entry 309)
311. **MASKINMESTEREN (Engineer)**  
Monthly.  
Publ.: Maskinmestrenes Forening  
Sankt Annae Plads 16  
1250 COPENHAGEN, Denmark
312. **METALWORKING MACHINERY**  
Quarterly. Statistical data on production, consumption, inventories and orders. Series MQ35W of *Current Industrial Reports*.  
Publ.: Department of Commerce  
United States Bureau of the Census  
SUITLAND, Maryland 20233, United States of America
313. **METLFX MAGAZINE**  
Monthly. Provides industry news concerning metalworking processes, tools and equipment to supervisory and executive personnel in metalworking plants in United States.  
Publ.: Faz Publications  
5821 Harper Road  
SOLON, Ohio 44139, United States of America
314. **PAN-AMERICAN TRADER**  
Monthly. Advertising and trade literature; tabloid format.  
Publ.: Hopkins Publications  
3620 Seventh Street, N.W.  
MIAMI, Florida
315. **POLISH MACHINERY NEWS**  
Every two months. In English and Russian. Advertising, book reviews, charts, illustrations, market patterns and trade marks.  
Publ.: P. P. Wydawnictwa Handlu Zagranicznego  
Zaklad Wydawnictw Periodycznych  
Ul. Marszalkowska 124  
WARSAW, Poland
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316. **REVISTA TECNICA SULAMERICANA** (South American technical review)  
Monthly. Covers iron and steel, machines, hardware, electric auto and motors and their respective accessories. Advertising and illustrations.  
Publ.: N. Lajta  
Box 158  
SAO PAULO 1, Brazil
317. **RIVISTA DI MECCANICA** (Mechanics review)  
Monthly. Text in Italian; summaries in English. Book reviews, abstracts, advertising, charts, bibliographies and illustrations.  
Publ.: Etas Kompass SPA  
Via Mantegna 6  
20154 MILAN, Italy
318. **RUSSIAN ENGINEERING JOURNAL**  
Irregular. English translation of *Vestnik Mashinostroeniia*.  
Publ.: Production Engineering Research Association (see entry 291)
319. **SCHWEIZER MASCHINENMARKT** (Swiss machine market)  
Weekly. Book reviews, advertising and illustrations.  
Publ.: Hudson Fachpresse (see entry 300)
320. **SULZER TECHNICAL REVIEW**  
Irregular. In English, French, German, Portuguese and Spanish.  
Publ.: Sulzer Brothers Ltd  
WINTERTHUR, Switzerland
321. **TOOLING**  
Monthly. Advertisements and book reviews.  
Publ.: Sawell Publications Ltd  
4 Ludgate Circus  
LONDON EC4, England
322. **TOOLING AND GAGING**  
Monthly.  
Publ.: Feder Press  
6331 Tireman  
DETROIT, Michigan 48204, United States of America
323. **TOOLING AND PRODUCTION**  
Monthly.  
Publ.: Heubner Publications  
5821 Harper Road  
SOLON, Ohio 44139, United States of America
324. **TOOL STEEL TRENDS**  
Quarterly. Describes various types of tool steels and their properties, production and application, with articles on heat treating and allied subjects.



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**Publ.: Committee of Tool Steel Producers  
American Iron and Steel Institute  
150 East 42nd Street  
NEW YORK, New York 10017, United States of America**

- 325. WERKSTATT UND BETRIEB (Workshop and factory)**  
Monthly. Magazine for machine building and manufacturing. Advertisements, book reviews, trade literature, charts and market patterns.

**Publ.: Carl Hanser Verlag  
Kolbererstrasse 22  
8000 MUNICH, Federal Republic of Germany**

- 326. WERKZEUG-INFORMATION (Tool information)**  
Monthly. Customers' technical magazine for tool and machine tool businesses. Advertising, charts, illustrations, trade literature and market patterns.

**Publ.: Verlag Fachtechnik und Mercator-Verlag  
Pressehaus 41  
Koehnenstrasse 5-11  
41 DUISBURG 1, Federal Republic of Germany**

- 327. WERKZEUGMASCHINE INTERNATIONAL (Machine tools international)**  
Every two months. Charts, illustrations and book reviews.

**Publ.: Karl Tuffentsammer  
Postfach 800  
8700 WUERZBURG, Federal Republic of Germany**

- 328. WESTERN MACHINERY AND STEEL WORLD**  
Monthly. Book reviews, charts and statistics.

**Publ.: H. M. Leete  
15 Sir Francis Drake Boulevard, East  
GREENBRAE, California, United States of America**

## SECTION VI

### CURRENT ABSTRACTING AND INDEXING PERIODICALS

Guides to the location of published works, mainly journal articles, giving either bibliographical information or summaries (abstracts)

329. **ABSTRACTS OF BULGARIAN SCIENTIFIC LITERATURE: INDUSTRY, BUILDING AND TRANSPORT**  
Quarterly. Text in Bulgarian; summaries in English.  
Publ.: Central Institute for Scientific, Technical, Economical and Social Information  
Chapaev Street 56  
SOFIA, Bulgaria
330. **APPLIED MECHANICS REVIEWS**  
Monthly. Reviews the world literature in applied mechanics and related engineering sciences. Covers domestic and foreign journals, books and conference proceedings.  
Publ.: American Society of Mechanical Engineers  
345 East 47th Street  
NEW YORK, New York 10017, United States of America
331. **APPLIED SCIENCE AND TECHNOLOGY INDEX**  
Monthly. A cumulative subject index to English-language periodicals in the fields of aeronautics and space science, automation, chemistry, construction, earth sciences, electricity and electronics.  
Publ.: H. W. Wilson Company  
950 University Avenue  
BRONX, New York 10452, United States of America
332. **BILTEN DOKUMENTACIJE: MASINSKA TEHNOLOGIJA I RADNE MASINE (Bulletin of documentation: mechanical technology and tooling)**  
Monthly. Covers domestic and foreign journals, books, patents and standards.  
Publ.: Yugoslav Centre for Technical and Scientific Documentation  
Box 724  
Slobodana Penezića-Krčuna 29-31  
BELGRADE, Yugoslavia
333. **BILTEN DOKUMENTACIJE: POGONSKE MASINE I MASINSKI DELOVI (Bulletin of documentation: power engines and machine parts)**  
Monthly.  
Publ.: Yugoslav Centre for Technical and Scientific Documentation  
(see entry 332)

334. **BRITISH TECHNOLOGY INDEX**  
Monthly. A current subject guide to articles in British technical journals.  
Annual accumulation.  
Publ.: Library Association  
7 Ridgmount Street, Store Street  
LONDON WC1E 7AE, England
335. **BULLETIN DE DOCUMENTATION**  
Monthly. Covers domestic and foreign journals, books, reports, conferences, proceedings and patents. Arranged in broad subject categories. No indexes.  
Publ.: Société ALSTHOM  
Service documentation  
38, avenue Kléber  
75016 PARIS, France
336. **BULLETIN SIGNALÉTIQUE: SCIENCES DE L'INGÉNIEUR**  
Monthly. Covers domestic and foreign journals, dissertations, reports and conference proceedings.  
Publ.: Centre de documentation  
Centre national de la recherche scientifique  
15, quai Anatole France  
75007 PARIS, France
337. **CURRENT BIBLIOGRAPHY ON SCIENCE AND TECHNOLOGY: GENERAL AND MECHANICAL ENGINEERING**  
Every two months. In Japanese.  
Publ.: Japan Information Center of Science and Technology  
2-5-2 Nagata-cho  
Chiyoda-ku  
TOKYO, Japan
338. **CZECHOSLOVAK SCIENCE AND TECHNOLOGY DIGEST**  
(Formerly *Czechoslovak Engineering Abstracts*)  
Every two months.  
Publ.: Scientific Information Consultants  
661 Finchley Road  
LONDON NW2 2HN, England
339. **DOCUMENTARE TEHNICA, SECTION V: METALLURGIE SI CONSTRUCTIE DE MASINI** (Technical documentation, Section V: mechanical engineering and metallurgy)  
Monthly. Covers domestic and foreign journals.  
Publ.: Institutul de Documentare Tehnica  
Str. Cosmonautilor 27-29  
BUCHAREST, Romania
340. **EKSPRES INFORMACJA INSTYTUTU OBRÓBKI SKRAWANIEM**  
(Express information of the institute of metal-cutting)  
Every two months. Covers domestic and foreign journals, patents, reports, books and conference proceedings.  
Publ.: Instytut Obróbki Skrawaniem  
Ul. Obózna 14  
CRACOW, Poland

341. **ENGINEERING INDEX**  
Annual and monthly. Covers journals, conference papers and books. Includes *Compendex*, computerized engineering index and *Card-a-Lert*, card service for specialized categories.  
Publ.: Engineering Index, Inc.  
345 East 47th Street  
NEW YORK, New York 10017, United States of America
342. **FIGYELOKARTON SZOLGALAT (Card index service)**  
Monthly. Covers foreign and domestic engineering journals, reports, conference proceedings. Issued on cards in subject series.  
Publ.: Országos Műszaki Könyvtár és Dokumentációs Központ  
Museum útca 17  
BUDAPEST VIII, Hungary
343. **INFORMATION SERVICE IN MECHANICAL ENGINEERING**  
Every two months.  
Publ.: Institution of Mechanical Engineers  
1 Birdcage Walk  
LONDON SW1H 9JJ, England
344. **JAPAN SCIENCE REVIEW: MECHANICAL AND ELECTRICAL ENGINEERING**  
Quarterly. In English. Covers domestic journals, conference papers and reports.  
Publ.: Joint Publication Committee of Engineering Societies  
c/o Scientific Information and University Library  
Section of the Ministry of Education  
Kasumigaseki 3-2-2  
Tiyoda-ku  
TOKYO, Japan  
  
Order from:  
Tokyo Electrical Engineering College Press  
2-2 Kanda, Nishiki-cho  
Chiyoda-ku  
TOKYO, Japan
345. **LITERATUUROVERZICHT (Review of literature)**  
Monthly. Covers domestic and foreign journals dealing with machining and plastic working of metals. In Dutch, English, French and German.  
Publ.: Samenwerkende Werkplaats technische Documentatiediensten  
Metaalinstytut TNO  
Centrum voor Metaalbewerking  
Postbus 52  
DELFT, Netherlands
346. **MECHANICAL SCIENCES ABSTRACTS**  
(Formerly *Machine Science Abstracts*)  
Annual. Digest edition of the periodical *Mashinovedenie*. (see entry 310).  
Publ.: Scientific Information Consultants (see entry 338)

347. **METALS ABSTRACTS**  
Monthly. Covers domestic and foreign journals, books, reports and conference proceedings.  
Publ.: Metals Abstracts Trust  
c/o Institute of Metals  
17 Belgrave Square  
LONDON SW1, England  
or  
American Society of Metals  
METALS PARK, Ohio 44073, United States of America
348. **REFERATE FUER DEN MASCHINENBAU** (Abstracts for machine building)  
Monthly.  
Publ.: Carl Schenk Maschinenfabrik GmbH  
Landwehrstrasse 55  
6100 DARMSTADT, Federal Republic of Germany
349. **REFERATIVNYI ZHURNAL: MASHINOSTROITEL'NYE MATERIALY, KONSTRUKTSII I RASCHET DETALEI MASHIN GIDROPRI-VOD; MEHANIKA: TEHNOLOGIJA MASHINOSTROENIJA** (Technical abstracts: materials for mechanical engineering, machine elements; mechanics: mechanical engineering)  
Monthly. World-wide coverage of domestic and foreign journals, monographs, patents and standards.  
Publ.: Mezhdunarodnaia Kniga  
Smolenskaia Sennaia 32-34  
MOSCOW G- 200, Union of Soviet Socialist Republics
350. **SCHEDE DI DOCUMENTAZIONE (IDAMI)** (Documentation card index of the Italian mechanics association)  
Every two months. General coverage of engineering journals, patents, standards and conference papers.  
Publ.: Istituto di Documentazione della Associazione Meccanica Italiana  
Piazza S. Alessandro 1  
MILAN, Italy
351. **VDMA: LITERATURKARTEI** (Card index of the association of German mechanical engineering establishments)  
Every two months.  
Publ.: Verein Deutscher Maschinenbau-Anstalten (VDMA)  
Maschinenbau Verlag GmbH  
Luegalle 65  
DUESSELDORF-OBERKASSEL, Federal Republic of Germany

## SECTION VII

### PROCEEDINGS, PAPERS AND REPORTS

#### A. *United Nations and related bodies*

##### *United Nations Industrial Development Organization (UNIDO)\**

352. Producción de herramientas electromecánicas de uso manual. Paper presented to the Curso práctico de capacitación sobre preparación y evaluación de proyectos industriales, Buenos Aires, 3-22 April 1975. (ID/WG.202/3)
353. Meeting of Experts/Decision Makers for Promotion and Development of Machine Tool Industries in Developing Countries of Asia and the Far East, Tbilisi, Georgia, Union of Soviet Socialist Republics, 5-15 October 1974. Papers (ID/WG.187/1-24). Report: Machine tools in Asia and the Pacific. (Sales No. 75.II.B.4)
354. Perspectives for industrial development in the Second United Nations Development Decade: the machine tool industry. (Sales No. 74.II.B.3)
355. Portfolio of selected metal-transforming technologies. 1973. (ID/110)
356. Planning and programming of the metalworking industries with a special view to exports. (Sales No. 72.II.B.7)
357. Regional Seminar on Machine Tools for Countries in Latin America, Buenos Aires, Argentina, 9-18 October 1972. Papers (ID/WG.113/1-45)
358. Effective use of machine tools and related aspects of management in developing countries. (Sales No. 72.II.B.6)
359. Regional Seminar on Machine Tools in Developing Countries of Europe and the Middle East, Slatni Pjassazi near Varna, Bulgaria, 18-27 October 1971. Papers (ID/WG.87/1-35)
360. The selection and acceptance testing of metal-cutting machine tools. (Sales No. 71.II.B.3)
361. Engineering industry. (Industrialization of developing countries: problems and prospects) (Sales No. 69.II.B.39, vol. 4)

\*Arranged in reverse chronological order. Discussion papers (ID/WG.../- series) are mimeographed documents issued in limited number; copies may no longer be available for distribution.

362. Meeting of the Expert Group on Metalworking Industries as Potential Export Industries in Developing Countries, Vienna, 12-19 December 1969. Papers (ID/WG.10/1-13)
363. Expert Group Meeting on Design, Manufacture and Utilization of Dies and Jigs in Developing Countries, Vienna, 9-20 December 1968. Papers (ID/WG.24/1-14)
364. Interregional Symposium on Metalworking Industries in Developing Countries, Moscow, 7 September-6 October 1966. Report of the Symposium. 96 p. (Sales No. 68.II.B.9). Reports presented to the Symposium. 557 p. (Sales No. 69.II.B.2)

*B. Miscellaneous*

365. American Institute of Industrial Engineers: Proceedings of the Annual Industrial Engineering Conference. Annual. Morgantown, West Virginia, College of Engineering.
366. Commonwealth Scientific and Industrial Research Organization. Engineering development reports. Irregular. Victoria, Australia.
367. International Machine Tool Design and Research Conference. Advances in machine tool design and research. Proceedings. Irregular. Elmsford, New York, Pergamon Press.
368. International Machine Tool Design and Research Conference. Proceedings. Annual. Birmingham, England, University of Birmingham.
369. Stuttgart Universität. Institut für Steuerungstechnik der Werkzeugmaschinen und Fertigungseinrichtungen. Berichte. (Stuttgart university. Institute for control technology of machine tools and manufacturing equipment. Reports). New York, Springer Verlag.
370. Wrocław Politechnika Instytut Konstrukcji i Eksploatacji Maszyn. Konferencji. (Wrocław polytechnic institute. Construction and machine design. Conference.) Irregular. Wrocław, Politechnika Wroclawska Dział Wydawnictw.

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## SECTION VIII

### SPECIALIZED DICTIONARIES AND ENCYCLOPAEDIAS

371. **ANGLO-RUSSKII SLOVAR' PO MASCHINO-STROENIU I METALLO-OBRABOTKE** (English-Russian dictionary of metalworking and general engineering workshop terms) S. I. KRECHETNIKOV *et al.* 3rd ed. Moscow, 1st ed. Sovetskaia Entsiklopediia, 1969. 661 p. About 40,000 entries.
372. **DICTIONARY OF METAL-CUTTING MACHINE TOOLS, ENGLISH-GERMAN**  
H. G. FREEMAN. Essen, Girardet, 1965. 561 p. Companion volume to *Enzyklopaedisches Fachwörterbuch spannende Werkzeugmaschinen* (entry 375), omitting the encyclopaedic section.
373. **DICTIONARY OF MODERN ENGINEERING**  
A. OPPERMAN. Munich, Verlag Dokumentation.  
Vol. 1: English-German. 1972. 912 p.  
Vol. 2: German-English. 1974. 952 p.
374. **DICTIONNAIRE TECHNIQUE ILLUSTRÉ DES OUTILS COUPANTS POUR L'USINAGE DES METAUX**  
Paris, Eyrolles, 1969. 497 p. Technical terms for more than 650 types of tools and their parts. In French; with equivalents in English, German, Italian and Spanish.
375. **ELSEVIER'S DICTIONARY OF METAL-CUTTING TOOLS IN SEVEN LANGUAGES** (Dutch, English, French, German, Italian, Russian and Spanish)  
G. S. STEKHOVEN and W. B. VALK. Amsterdam, London, New York, Elsevier, 1970. 458 p. 1,915 English terms and definitions with foreign language equivalents and indexes.
376. **ENZYKLOPAEDISCHES FACHWOERTERBUCH SPANNENDE WERKZEUGMASCHINEN, DEUTSCH-ENGLISCH** (German-English encyclopaedic dictionary of metal-cutting machine tools)  
H. G. FREEMAN. Essen, Girardet, 1963. 1169 p. 30,000 terms on machine tool construction, machining processes and related fields.
377. **DAS FACHWORT IM MASCHINENBAU** (Technical terms in machine tool practice)  
Vol. I. K. SCHOPPER. Stuttgart, Deva Fachverlag, 1955. Illustrated technical dictionary in English, French and German.



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378. **A GLOSSARY OF METALWORKING TERMS**  
I. A. WINFIELD. London and Glasgow, Blackie, 1960. 80 p. Simplified language.
379. **ILLUSTRATED JIG-TOOLING DICTIONARY**  
T. G. THOMPSON. New York, Macmillan, 1947.
380. **LEXIQUE TRILINGUE DE LA MACHINE-OUTIL ET DE L'OUTIL-LAGE**  
J. PHILIPPE. Paris, Dunod, 1964. In English, French and German.
381. **THE MACHINE TOOL: AN INTERLINGUAL DICTIONARY OF BASIC CONCEPTS**  
E. WUESTER. Freeland, Oxford, England, Technical Press, 1968. 2 vols. Prepared under the auspices of the Economic Commission for Europe (ECE).  
Vol. 1: Master volume in English and French  
Vol. 2: Supplement in German
382. **NUMERICAL CONTROL OF MACHINE TOOLS: DICTIONARY**  
H. E. HORTEN. London, Hinkel of London, 1970. In English, French, German and Spanish.
383. **TECHNISCHES BILDWOERTERBUCH FUER SPANNENDE WERKZEUGE ZUR METALLBEARBEITUNG** (Illustrated technical dictionary of metal-cutting tools used in metalworking)  
T. HEILER. 2nd ed. Munich, Hanser, 1970. 1,800 terms in French, with English, German, Italian and Spanish equivalents and a supplement in Russian.
384. **TEKNISK ORDLISTA** (Technical dictionary)  
5th ed. Stockholm, Maskinaktiebolaget Karlebo, 1963. 156 p. Covers the tool and machine tool trade. Text in Swedish; with English, French, German, Portuguese, Russian and Spanish equivalents.
385. **THESAURUS OF ENGINEERING AND SCIENTIFIC TERMS**  
New York, Engineers Joint Council.
386. **TOOL-ROOM MACHINERY IN FOUR LANGUAGES**  
H. E. HORTEN. London, C. R. Books Ltd, 1966. 325 p. In English, French, German and Spanish. Conversion and other tables.
387. **WOERTERBUCH WERKZEUGE: DEUTSCH-ENGLISCH, ENGLISCH-DEUTSCH** (German-English, English-German dictionary of tools)  
H. G. FREEMAN. 2nd ed. Wiesbaden, Federal Republic of Germany, Girardet, 1960. 658 p. 25,000 terms with definitions and explanatory notes.

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## SECTION IX

### BIBLIOGRAPHIES

388. **BIBLIOGRAPHICAL BULLETIN FOR WELDING AND ALLIED PROCESSES/BULLETIN DE DOCUMENTATION DE LA SONDRÉ ET DE TECHNIQUES CONNEXES**  
Quarterly. Paris, Publications de la sondre. Covers about 150 journals and tables of contents in books.
389. **BIBLIOGRAPHY ON NUMERICAL CONTROL OF MACHINE TOOLS**  
Monthly. Bangalore, India, Hindustan Machine Tools Ltd.
390. **FACHBIBLIOGRAPHIE DER UMFORMTECHNIK** (Technical bibliography on shaping technology)  
Vol. 1, Drahtherstellung und -bearbeitung (Wire production and processing). G. GENTZSCH, ed. Düsseldorf, Trilosch, 1966. 744 p. Covers period 1960-1963.
391. **FACHDOKUMENTATION** (Technical documentation)  
Monthly. Düsseldorf-Oberkassel, Federal Republic of Germany, Maschinenbau Verlag.
- No. 5: Bearbeitungsverfahren (Machining procedures)
  - No. 211.4 and 211.5: Bohr-, Fräsmaschinen, Innengewindeschneidemaschinen (Drilling, milling, tapping machines)
  - No. 211.2 and 211.3: Drehbänke, Abstechmaschinen, Aussen-gewindeschneidemaschinen, Revolverdrehbänke und Drehautomaten (Turning lathes, thread-cutting machines, turret lathe and automatic lathes)
  - No. 033: Fragen des Fertigungsablaufs (Questions relative to the manufacturing process)
  - No. 218: Maschinen- und Präzisionswerkzeuge für Metall- und Werkstoffbearbeitung (Machine and precision tools for processing metals and related materials)
  - No. 212: Metallbearbeitungsmaschinen der spanlosen Formung (Metalworking machines for chipless processing)
  - No. 053: Oberflächenbehandlung (Surface treatment)
  - No. 212.2 and 212.3: Pressen mit mechanischem und mit hydraulischem Antrieb (Presses with mechanical and with hydraulic drive)
  - No. 211.7: Schleif-, Läpp- und Poliermaschinen (Grinding, lapping and polishing machines)
  - No. 052: Spangebende Formung der Metalle (Shaping metal by chipping)
  - No. 051: Spanlose Formung der Metalle (Chipless processing of metals)

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- No. 239: Trocknungsanlagen und -maschinen (Drying installations and machines)
- No. 231: Verdichten, Druckluftgeräte, -werkzeuge und -bremsen (Compressors, compressed air instruments, tools and brakes)
- No. 218.8: Vorrichtungen, Schnitt-, Stanz- und Formwerkzeuge (Fixtures, cutting, stamping and forming tools)
- No. 062: Werkstoffprüfung (Materials testing)
392. GALVANOTECHNIK (Galvanizing techniques)  
Monthly. Berlin, German Democratic Republic, Zentralinstitut für Information und Dokumentation. Card abstracts. In German.
393. LITERATUR UEBER PRODUKTIONSLENKUNG (Literature on production management)  
Karl-Marx-Stadt, German Democratic Republic. Zentralinstitut für Fertigungstechnik, 1966. 62 p. No. R/211. Covers period 1957-1965.
394. MASCHINENBAU/METALLBEARBEITUNG: NEUERSCHEINUNGEN UND VORANKUENDIGUNGEN (Machine building/metalworking: new publications and previews)  
Annual. Stammheim, Switzerland, Verlag Dr. Rossipaul.
395. METALLBEARBEITUNG, SCHWEISSTECHNIK, WERKZEUGMASCHINEN (Metalworking, welding technology, machine tools)  
Monthly. Hanover, Technische Informationsbibliothek, Auswertungsstelle für naturwissenschaftliche und technische Literatur aus der Sowjetunion. Titles of articles from Russian periodicals.
396. METALLREINIGUNG UND -VORBEHANDLUNG (Metal cleaning and pre-treatment)  
Monthly. Hamburg, Brunke Gartels. New patents, periodicals abstracts and book reviews.
397. PATENTKARTEI GALVANOTECHNIK EINSCHLIESSLICH SCHLEIFEN, POLIEREN UND ABWASSER (Patent card index of galvanizing techniques including grinding, polishing and waste water)  
Monthly. Saugau, Federal Republic of Germany, Eugen G. Leuze Verlag.
398. PRODUKTIONSORGANISATION IM MASCHINENBAU (Organizing production in machine building)  
Monthly. Berlin, German Democratic Republic, Zentralinstitut für Information und Dokumentation. Approx. 60 titles.
399. UEBERSICHT UEBER WISSENSCHAFTS-TECHNISCHE VEROFFENTLICHUNGEN DES ZENTRALINSTITUTES FUER FERTIGUNGSTECHNIK DES MASCHINENBAUES (Review of scientific-technical publications of the central institute for manufacturing techniques of mechanical engineering)  
Karl-Marx-Stadt, German Democratic Republic, 1968. 33 p. Includes loose-leaf collection, brochures, the periodical *Shaping Technology* and card abstracts.
400. ZERSPANNUNGSTECHNOLOGIE (Chipcutting technology)  
Monthly. Berlin, German Democratic Republic, Zentralinstitut für Information und Dokumentation. Card abstracts. Approx. 100 titles.

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## SECTION X

### FILMS, TRANSPARENCIES AND FILM CATALOGUES

#### *A. Films and transparencies\**

A selection of industrial films and transparencies suitable for training and for illustrating technological processes

401. **ABC'S OF SURFACE PREPARATION**  
1967. Colour, 25 minutes. Explains the operations and functions of various types of abrasive blast-clearing equipment.  
Distr.: Hodge Clemco Ltd  
Orgreave Drive, Handsworth  
SHEFFIELD S13 9NR, England
402. **AUTO FEED DRILLS**  
1970. Colour, 14 minutes. Shows how an automatic pneumatic power tool works and its applications in metal and woodworking industries.  
Distr.: Guild Sound and Vision Ltd  
85/129 Oundle Road  
PETERBOROUGH PE2 9PY, England
403. **BASIC LAYOUT TOOLS**  
1954. 7 minutes. Illustrates the care and correct uses of metalworking lay-out tools on template paper and sheet metal. (Care and use of hand tools series.)  
Distr.: United World Films  
1445 Park Avenue  
NEW YORK, New York 10029, United States of America
404. **BATCHMATIC 50**  
1969. Colour, 13 minutes, 30 seconds. Describes the principal features of the sponsor's tape-controlled, single-spindle, bar automatic.  
Distr.: Alfred Herbert Ltd  
Public Relations Department  
P.O. Box 30  
COVENTRY CV6 5GT, England

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\*Films are sound, black and white and 16 mm unless otherwise indicated. Films sponsored by private companies may promote special product lines which are not necessarily endorsed by the United Nations. Films are usually for purchase or rent, but are sometimes available on a free loan basis from the distributors listed. In some cases films for purchase can be previewed.

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405. **CARBIDE TOOLS: DESIGN AND APPLICATION**  
1956. 35 minutes. Common types of carbide tools used in machine tools are described in detail, showing cutting angles, radial angles, trail angles etc.  
Distr.: Wickman Machine Tool Ltd  
Banner Lane  
COVENTRY, England
406. **CLEAN CUT**  
Series. 1968. 30 minutes each. Shows modern advances in machining techniques, based largely on the work of the Production Engineering Research Association and various university engineering departments.  
*Cutting faster*  
*Cutting holes*  
*Cutting to size*  
*Cutting by numbers*  
*Cutting without contact*  
Distr.: Central Film Library  
Government Building, Bromyard Avenue  
LONDON W3, England
407. **COOLER CUTS**  
1972. Colour, 20 minutes. Explains basic principles of metal machining operations in a series of diagrams.  
Distr.: Duckhams Film Unit  
Summit House, Glebe Way  
WEST WICKHAM, Kent BR4 OSJ, England
408. **DIAMONDS AND METALWORKING/LES DIAMANTS ET LE TRAVAIL DES METAUX**  
1965. Colour, 11 minutes. In Dutch, English, French, German, Italian and Spanish. Describes a number of standard engineering techniques that use diamond tools.  
Distr.: Industrial Diamond Information Bureau  
Arundel House, Kirby Street  
LONDON EC1, England
409. **DRAMA OF METAL FORMING**  
Colour, 28 minutes. Shows precision machines for rolling, tube forming, wire drawing, forging and extrusion. For secondary and technical schools.  
Distr.: Shell Oil Company  
450 North Meridian Street  
INDIANAPOLIS, Indiana 46204, United States of America
410. **ENGINEERING RESEARCH: MACHINE TOOLS**  
1968. 30 minutes. Illustrates new vistas in machine tool design made possible by hydrostatic drive and numerical control.  
Distr.: Central Film Library (see entry 406)
411. **THE FACTORY/USSR**  
1972. 10 minutes. Shows the Red Proletarian Machine Tool Plant and one of its best workers.

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Distr.: Educational and Television Films Ltd  
247a Upper Street  
Highbury Corner  
LONDON N1 1RU, England

412. **THE HARPERISER: A NEW FORCE IN METALWORKING**  
1965. Colour, 20 minutes. Explains how a rotating drum with abrasive action can de-burr and chamfer a variety of component parts to a fine tolerance.  
Distr.: Central Film Library (see entry 406)
413. **I AM AN ENGINEER: PROFESSOR S. A. TOBIAS, MECHANICAL ENGINEER**  
1968. Colour, 20 minutes. Professor Tobias of Birmingham University examines the problems of the machine tool industry.  
Distr.: British Film Institute  
Distribution Library  
42/4 Lower Marsh  
LONDON SE1, England
414. **KEEP CUTTING**  
1973. Colour, 15 minutes. Illustrates the use of highly automated, punched-tape-controlled lathes and shows how different complicated pieces of cutting can be controlled by one man using one machine.  
Distr.: Alfred Herbert Ltd (see entry 404)
415. **KNOW HOW**  
Series. 30 minutes each.  
*Are you ready for NC?* Shows numerical control for small batch productions.  
*Cutting by computer.* Shows recent research into the use of computers for programming numerically controlled machine tools.  
*Don't cut: grind.* Examples in flat-surface grinding and high-speed cylindrical grinding.  
*Fine cut.* Describes the Unit for Precision Engineering at Cranfield College.  
*Look: no hands.* Shows automatic assembly machines using standard "pick and place" modules, linked electronically rather than mechanically and under electronic control.  
*Machine tool research.* Describes the work of the Machine Tool Industries Research Association.  
*Machining centre*  
*Three conversions.* Shows how redundant machine tools can often be converted for other jobs.  
*Using numerical control.* Illustrates the economics of numerically controlled turning compared with the more usual drilling and milling by NC. Use of computers in programming complicated jobs is also discussed.  
*What are these NC benefits?* Examines the benefits of numerical control with the help of experts in the field.  
*Which NC machine?* A machine shop appraisal to examine the suitability of a small client firm for NC.  
Distr.: Central Film Library (see entry 406)

416. **KNOW THE DRILL**  
1974. Colour, 20 minutes. Shows methods of manufacturing both straight shank and taper shank drills. Intended for apprentices, technical college students and machine operators.  
Distr.: Guild Sound and Vision Ltd (see entry 402)
417. **MACHINE TOOLS**  
1968. Nine transparencies. Colour. Instructs students in the physical characteristics and nomenclature of several common machine tools.  
Distr.: McGraw Hill Ryerson  
SCARBOROUGH, Ontario, Canada
418. **MACHINEABILITY**  
1971. Colour, 15 minutes. Describes the production cost savings that can be gained by the use of free-cutting steels.  
Distr.: G. K. N. Engineering Ltd  
Cable Street  
WOLVERHAMPTON, England
419. **MACHINING OF METALS/USINAGE DES METAUX**  
1952. 27 minutes. Treats lattice patterns in metals and various tests such as Brinell, Izod and Tensile. Also shows cutting tool design, tools being ground, correct angles and tool faces, tool setting, cutting speeds and depth of cut.  
Distr.: Shell International Petroleum Co. Ltd  
Shell Centre  
LONDON SE1, England
420. **METAL CUTTING/COUPE DES METAUX**  
1963. Colour, 16 minutes. Deals with the elementary principles of rake and clearance and the angle relationship to such operations as turning, boring, milling, drilling, sawing and chiselling.  
Distr.: Marish Films Ltd  
36 Buckland Avenue  
SLOUGH, Buckinghamshire, England
421. **OMSLIPNING AV HARDMETALLSVARVSTAL (Sharpening cutting tools)**  
Colour, 10 minutes. In Swedish. Special educational film designed to permit instructors to stop the film at a certain frame in each important sequence. Shows when blade must be sharpened.  
Distr.: AKA Films  
Riddargatan 23b  
STOCKHOLM, Sweden
422. **RESERVICING CARBIDE TOOLS**  
1960. Colour, 25 minutes. Illustrates the correct procedure for sharpening single-point and secondary-point tools and the correct use of various types of grinding wheels.  
Distr.: Wickman Machine Tool Ltd (see entry 405)

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423. **SLIPNING AV BORRKRONOR MED FYRA SKAER/GRINDING  
FOUR-POINT BITS**  
1961. Colour, 11 minutes. In English, French, German, Spanish and Swedish. A detailed explanation and demonstration of sharpening cross and x-rock drilling cutter bits, including setting up the grinder.  
Distr.: Atlas Capco AB  
STOCKHOLM, Sweden
424. **THEORY OF METAL CUTTING**  
1965. 23 minutes. Using Schlieren techniques and slow motion cameras, this film demonstrates in detail the right and wrong ways of metal cutting and the stresses on the metal-cutting tools.  
Distr.: Fujikoshi Steel Products Company Ltd  
TOKYO, Japan
425. **WHAT'S THE DIFFERENCE?**  
1969. Colour, 21 minutes. Shows the methods of producing precision machine tools, from drawing board to final inspection.  
Distr.: A. A. Jones and Shipman Ltd  
LEICESTER, England
426. **THE WINNING TIP**  
1961. Colour, 15 minutes. Shows the advantages of using ceramic tool tips on milling cutters and describes how ceramic tips are reground.  
Distr.: Carborundum Company Ltd  
Trafford Park  
MANCHESTER 17, England

*B. Film catalogues*

427. **BRITISH NATIONAL FILM CATALOGUE**  
1975.  
Publ.: British Film Institute  
81 Dean Street  
LONDON WN 6AA, England
428. **FILM CATALOG OF METALS**  
Publ.: American Society of Metals  
METALS PARK, Ohio 44073, United States of America
429. **FILMS AND OTHER MATERIALS FOR PROJECTION**  
(Formerly Library of Congress Catalogue, *Motion Pictures and Filmstrips*)  
Annual with supplements every two months. Gives motion pictures, filmstrips, sets of transparencies and slide sets currently catalogued by the Library of Congress.  
Publ.: Library of Congress  
WASHINGTON, D.C. 20004, United States of America
430. **FILMS FOR INDUSTRY, A CATALOGUE OF 16 MM FILMS FOR  
INDUSTRIAL USERS**  
1968.  
Publ.: Central Film Library (see entry 406)



431. **OECD CATALOGUE OF TECHNICAL AND SCIENTIFIC FILMS**  
1968.

**Publ.:** Organisation for Economic Co-operation and Development (OECD)  
Château de la Muette  
2, rue André Pascal  
75016 PARIS, France

432. **WISSENSCHAFTLICHER FILM KATALOG**  
1974.

**Publ.:** Bundesstaatliche Hauptstelle für wissenschaftliche Kinematographie  
Schönbrunnerstr. 56  
1050 VIENNA, Austria

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## SECTION XI

### OTHER POTENTIAL SOURCES OF INFORMATION

#### *A. Consulting and engineering services\**

##### *Publications*

433. **THE CONSULTING ENGINEER'S WHO'S WHO AND YEARBOOK**  
Annual directory. 1971. 399 p. Lists members with biographies, firms and their specialities, services, engineering societies and other specialized service organizations. Ed.: Association of Consulting Engineers, Abbey House, 2 Victoria Street, Westminster, LONDON SW1, England.  
Publ.: Northwood Publications Ltd  
Elm House  
10-16 Elm Street  
LONDON SW1, England
434. **DIRECTORY OF MEMBERSHIP AND SERVICES**  
Every two years. 1968-1969. 72 p. Includes introductory text and standards of professional conduct and practice. Lists firms and services.  
Publ.: Association of Consulting Management Engineers, Inc. (ACME)  
347 Madison Avenue  
NEW YORK, New York 10017, United States of America
435. **ENGINEERING CONSULTING FIRMS ASSOCIATION, JAPAN**  
Annual directory. 1971. 77 p. Illustrated list of firms and services.  
Publ.: Engineering Consulting Firms Association, Japan (ECFA)  
Kasumigaseki Building, Kasumigaseki III  
Chiyoda-ku  
TOKYO 100, Japan
436. **GENIE INDUSTRIEL: CATALOGUE DE L'ENGINEERING**  
Annual directory. 1974. 548 p. Index and headings in English, French and German.  
Publ.: Documentations industrielles et techniques (DIT)  
11, rue de Madrid  
75008 PARIS, France
437. **MANUAL ON THE USE OF CONSULTANTS IN DEVELOPING COUNTRIES**  
Prepared by UNIDO. 1972. 165 p. Includes select list of professional consulting associations, both international and national. (Sales No. 72.II.B.10)

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\*For list of organizations, see entry 437.

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Publ.: United Nations  
Sales Section  
NEW YORK, New York 10017, United States of America

438. UNION INTERNATIONALE DES LABORATOIRES INDEPENDANTS:  
REGISTER OF MEMBERS 1971  
1972. 217 p. Lists of private laboratories and independent consultants  
that are members of the Union. Products and fields of activities are listed  
in English, with equivalents in French and German. Members are listed  
geographically, with addresses and a short account of their activities.

Publ.: Union internationale des laboratoires indépendants  
Ashbourne House, Alberon Gardens  
LONDON NW6, England

### *B. Environment*

#### *Organization*

439. UNITED NATIONS ENVIRONMENT PROGRAMME (UNEP)  
Box 30552  
NAIROBI, Kenya

#### *Publication*

440. DIRECTORY OF ENVIRONMENTAL INFORMATION SOURCES  
2nd ed. 1972. 457 p.  
Publ.: National Foundation of Environmental Control, Inc.  
151 Tremont Street  
BOSTON, Massachusetts 02110, United States of America

### *C. Fairs and exhibitions*

#### *Organizations*

441. COMMITTEE OF COLLECTIVE NATIONAL PARTICIPATION IN  
INTERNATIONAL FAIRS-INTEREXPO  
WIRTSCHAFTSFOERDERUNGSINSTITUT DER BUNDESKAMMER  
Hoher Markt 3  
1010 VIENNA, Austria
442. UNION OF INTERNATIONAL FAIRS/UNION DES FOIRES INTER-  
NATIONALES (UFI)  
10, rue La Boétie  
75008 PARIS, France

#### *Publications*

443. EXHIBITION BULLETIN  
Monthly. Advance information on shows, fairs and exhibitions taking  
place throughout the world.  
Publ.: London Bureau  
266-272 Kirkdale  
LONDON SW26, England

444. **M/A KALENDER** (Calendar of fairs and exhibitions)  
Annual. 1974-1975. 360 p. Covers events from mid-1974 to mid-1975.  
Text in German; index in English, French and German. Issues monthly  
supplements with current information on fairs and exhibitions.  
Publ.: Messe- und Ausstellungs-Kontor Otto Müller  
P.O. Box 2605  
Grosse Eschenheimerstrasse 16  
6000 FRANKFURT/MAIN 1, Federal Republic of Germany

*D. Financing and investing*

*Publications and documents*

445. **DIRECTORY OF EXTERNAL SOURCES OF FINANCING AVAIL-  
ABLE FOR INDUSTRIAL PROJECTS IN DEVELOPING COUNTRIES**  
Prepared by UNIDO. 1969. 128 p. Reference material for selecting  
suitable sources of financing for industrial projects in developing  
countries. (UNIDO/IPPD/6)  
Order from:  
United Nations Industrial Development Organization (UNIDO)  
P.O. Box 707  
1011 VIENNA, Austria
446. **A GLOBAL DIRECTORY OF DEVELOPMENT FINANCE INSTITU-  
TIONS IN DEVELOPING COUNTRIES**  
J. D. NYHART and E. F. JANSSENS. 1967. 449 p. Lists development  
finance institutions and gives relevant information.  
Publ.: Development Centre of the Organisation for Economic Co-  
operation and Development (OECD)  
91, boulevard Exelmans  
75016 PARIS, France
447. **IL AND T. INVESTING, LICENSING AND TRADING CONDITIONS  
ABROAD**  
Reference service covering all the countries of the world. "Current  
awareness service" loose-leaf format with periodic issuing of up-dated  
chapters.  
Publ.: Business International Corp.  
757 Third Avenue  
NEW YORK, New York 10017, United States of America
448. **INVESTING IN DEVELOPING COUNTRIES**  
1970. 120 p. Lists facilities for promotion of foreign and private  
investment in developing countries.  
Publ.: Organisation for Economic Co-operation and Development (OECD)  
Château de la Muette  
2, rue André Pascal  
75016 PARIS, France
449. **LES INVESTISSEMENTS PRIVES AU SERVICE DU TIERS-MONDE**  
L. DURAND-REVILLE. 1970. 368 p. Covers investment policies in  
developing countries.

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Publ.: Editions France-Empire  
68, rue Jean-Jacques Rousseau  
75001 PARIS, France

450. **MANUAL ON INVESTMENT PROMOTION CENTRES**  
Prepared by UNIDO. 1973. 99 p. Provides information on existing investment promotion institutions in developing countries and guidelines for those who want to establish them. (Sales No. 73.II.B.3)  
Publ.: United Nations (see entry 437)
451. **PROSPECTUS PREPARATION FOR INTERNATIONAL PRIVATE INVESTMENT**  
H. J. ROBINSON. 1971. 103 p. Study of the flow of private investments across international boundaries; specifically designed as a guide for developing countries.  
Publ.: Praeger Publishers  
111 Fourth Avenue  
NEW YORK, New York 10003, United States of America

*E. Marketing, exporting and purchasing*

*Organizations*

452. **CENTRO INTERAMERICANO DE PROMOCION DE LAS EXPORTACIONES (CIPE)**  
Carrera 10a No. 14-33, pisos 10, 11 y 13  
BOGOTA, D.E. 1, Colombia
453. **CENTRUM TOT BEVORDERING VAN DE IMPORT UIT ONTWIKKELINGSLANDEN** (Centre for the promotion of imports from developing countries)  
Coolsingel 58  
ROTTERDAM, Netherlands
454. **INTERNATIONAL TRADE CENTRE (UNCTAD/GATT)**  
Villa le Bocage, Palais des Nations  
1211 GENEVA 10, Switzerland
455. **WORLD TRADE CENTER'S INFORMATION CENTER**  
North Tower Building  
111 Eighth Avenue  
NEW YORK, New York 10011, United States of America

*Publications*

456. **EXPORT PROMOTION BY PRIVATE SECTOR ORGANIZATIONS**  
1971. 280 p. In English, French and Spanish. Covers all aspects of export trade promotion; lists of relevant organizations and bibliographies.  
Publ.: International Trade Centre (UNCTAD/GATT) (see entry 454)
457. **A GUIDE TO INDUSTRIAL PURCHASING**  
Prepared by UNIDO. 1972. 45 p. (Sales No. 72.II.B.19)  
Publ.: United Nations (see entry 437)

458. **INTERNATIONAL DIRECTORY OF MARKETING RESEARCH HOUSES AND SERVICES**  
 Irregular. 1969. 103 p.  
 Publ.: Marketing Review  
 527 Madison Avenue  
 NEW YORK, New York 10022, United States of America
459. **MARKETING AND MANAGEMENT: A WORLD REGISTER OF ORGANIZATIONS**  
 Irregular. 1969. 228 p.  
 Publ.: CBD Research Ltd  
 154 High Street  
 BECKENHAM, Kent BR3 1EA, England
460. **NUEVOS MERCADOS. LA REVISTA DEL EXPORTADOR LATINO-AMERICANO**  
 Monthly.  
 Publ.: Centro Interamericano de Promoción de las Exportaciones (CIPE)  
 (see entry 452)
461. **WORLD-WIDE CHAMBER OF COMMERCE DIRECTORY**  
 Annual. 1970. 177 p.  
 Publ.: Johnson Publishing Co.  
 P.O. Box 455  
 LOVELAND, California 80537, United States of America

*F. Meetings and conferences*

*Publications*

462. **BIULLETEN' MEZHDUNARODNYKH NAUCHNYKH S'EZDOV, KONFERENTSI I KONGRESSOV** (Bulletin of international scientific conferences and congresses)  
 Monthly. In English and Russian. Includes subject index.  
 Publ.: Mezhdunarodnaia Kniga  
 Smolenskaia Sennaia 32-34  
 MOSCOW G-200, Union of Soviet Socialist Republics
463. **FORTHCOMING INTERNATIONAL SCIENTIFIC AND TECHNICAL CONFERENCES**  
 Quarterly journal. Chronological list of forthcoming conferences in all fields of science and technology. Includes indexes by subject, location and sponsor of conference.  
 Publ.: ASLIB  
 3 Belgrave Square  
 LONDON SW1, England
464. **WORLD CALENDAR OF FORTHCOMING MEETINGS: METALLURGICAL AND RELATED FIELDS**  
 Every two months. Cumulative bulletin covering two-year periods. Arranged chronologically with indexes.  
 Publ.: The Iron and Steel Institute  
 1 Carlton House Terrace  
 LONDON SW1, England

465. **WORLD LIST OF FUTURE INTERNATIONAL MEETINGS. PART I: SCIENCE, TECHNOLOGY, AGRICULTURE AND MEDICINE**  
Every two months. Journal. Ed.: International Organizations Section, Library of Congress.

Publ.: Superintendent of Documents  
Government Printing Office  
WASHINGTON, D.C. 20402, United States of America

466. **WORLD MEETINGS: UNITED STATES AND CANADA**  
and  
**WORLD MEETINGS: OUTSIDE UNITED STATES AND CANADA**  
Quarterly journals. Two-year registries of important future scientific and technical meetings to be held in the geographical areas covered. Include key-word indexes; sponsor and address directories.

Publ.: CCM Information Corporation  
909 Third Avenue  
NEW YORK, New York 10022, United States of America

*And/or announcement columns in  
current periodicals listed in section V*

#### *G. Patents and licences*

##### *Organization*

467. **WORLD INTELLECTUAL PROPERTY ORGANIZATION (WIPO)**  
32, Chemin des Colombettes  
Palais des Nations  
1211 GENEVA 10, Switzerland

#### *H. Standards and specifications*

##### *Organizations*

468. **COMITE EUROPEEN DE COORDINATION DES NORMES (CEN)**  
Tour Europe, Courbevoie  
92 PARIS, France
469. **INTERNATIONAL ORGANIZATION FOR STANDARDIZATION/  
ORGANISATION INTERNATIONALE DE NORMALISATION/  
MEZHDUNARODNAIA ORGANIZATSIIA PO STANDARTIZATSII  
(ISO)**  
Central Secretariat  
1, rue de Varembe  
1211 GENEVA 10, Switzerland
- The international agency for standardization comprising the national bodies of some 70 countries.

*And/or the national standards institutes of  
individual countries (the addresses of which can  
be obtained from the ISO Central Secretariat)*

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**Publications**

470. INTERNATIONAL ORGANIZATION FOR STANDARDIZATION: MEMENTO 1972  
1972. 96 p. Information on ISO activities, its member bodies, technical committees, subcommittees and working groups, with addresses.  
Publ.: International Organization for Standardization (ISO) (see entry 469)
471. ISO ANNUAL REVIEW 1972/RAPPORT ANNUEL 1972  
1972. 44 p. Gives over-all presentation of ISO activities with historical perspective, work of the technical committees, development of international standards; separate chapter on ISO and developing countries.  
Publ.: International Organization for Standardization (ISO) (see entry 469)
472. ISO CATALOGUE 1974  
1974. 139 p. In English and French. Lists members, technical committees and published standards.  
Publ.: International Organization for Standardization (ISO) (see entry 469)

*I. Testing and laboratory services*

**Organizations**

473. REUNION INTERNATIONALE DES LABORATOIRES D'ESSAIS ET DE RECHERCHES SUR LES MATERIAUX ET LES CONSTRUCTIONS (RILEM)  
12, rue Brancion  
75015 PARIS, France
474. UNION INTERNATIONALE DES LABORATOIRES INDEPENDANTS  
(see entry 438)

**Publications**

475. DIRECTORY OF TESTING LABORATORIES: COMMERCIAL, INSTITUTIONAL  
1971. 41 p. (ASTM STP 333 B)  
Publ.: American Society for Testing Materials (ASTM)  
1916 Race Street  
PHILADELPHIA, Pennsylvania 19103, United States of America

*J. Training*

**Publication**

476. SELECTED TRAINING OPPORTUNITIES FOR INDUSTRIAL DEVELOPMENT  
1974. 74 p. (PI/46)  
Publ.: United Nations Industrial Development Organization (UNIDO)  
(see entry 445)



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*K. Translation services*

*Organizations*

477. EUROPEAN TRANSLATION CENTRE (ETC)  
DELFT, Netherlands
478. NATIONAL LENDING LIBRARY FOR SCIENCE AND TECHNOLOGY  
BOSTON SPA, Yorkshire, England
479. NATIONAL TRANSLATION CENTER  
c/o Special Libraries Association  
235 Park Avenue South  
NEW YORK, New York 10003, United States of America

*Publications*

480. CATALOGUE MENSUEL DES TRADUCTIONS  
Monthly list of translations into French, mostly of scientific and technical articles. A comprehensive card catalogue from 1953 is available.  
Publ.: Centre national de la recherche scientifique (CNRS)  
15, quai Anatole France  
75007 PARIS, France
481. CONSOLIDATED INDEX OF TRANSLATIONS INTO ENGLISH  
1969. 949 p. Compiled by the John Crerar Library. Lists all translations prior to 1966.  
Publ.: National Translation Center (see entry 479)
482. INDEX TRANSLATIONUM: INTERNATIONAL BIBLIOGRAPHY OF TRANSLATIONS  
Annual. Multilingual bibliography of translations published all over the world. Introduction in English and French.  
Publ.: United Nations Educational, Scientific and Cultural Organization (UNESCO)  
Place de Fontenoy  
75007 PARIS, France
483. TRANSLATIONS AND THEIR GUIDES  
J. P. CHILLAG, ed. Survey of lists and indexes of translations. Table gives data on 31 translation-announcement bulletins.  
Publ.: National Lending Library for Science and Technology  
(see entry 478)
484. WORLD INDEX OF SCIENTIFIC TRANSLATIONS  
Quarterly. Lists translations, both compiled and in progress, of articles, patents, standards etc. concerned with science and technology. Translations are mostly into English from Russian and other Slavic languages, Chinese and Japanese. Lists about 10,000 translations a year.  
Publ.: European Translation Centre (ETC)  
(see entry 477)

*L. UNIDO activities*

485. **INDUSTRIAL DEVELOPMENT ABSTRACTS**  
Every two months. Prepared by Industrial Documentation Unit, UNIDO.  
Indexes and abstracts the following types of UNIDO documents:

(1) printed publications of UNIDO, i.e. major studies and reports, recurrent publications and series and selected articles from **INDUSTRIAL RESEARCH AND DEVELOPMENT NEWS** and **INDUSTRIALIZATION AND PRODUCTIVITY BULLETIN**; (2) documents submitted to the Industrial Development Board; (3) documents of expert working groups, workshops and seminars; (4) internal studies and reports; (5) information sheets; (6) technical assistance reports, including feasibility studies and project reports. (UNIDO/LIB/SER.B)

Order from:  
United Nations (see entry 437)

486. **UNIDO NEWSLETTER**  
Monthly. In English, French, Russian and Spanish. News on current activities of the organization. Available on request.

Order from:  
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(see entry 445)

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