



**TOGETHER**  
*for a sustainable future*

## OCCASION

This publication has been made available to the public on the occasion of the 50<sup>th</sup> anniversary of the United Nations Industrial Development Organisation.



**TOGETHER**  
*for a sustainable future*

## DISCLAIMER

This document has been produced without formal United Nations editing. The designations employed and the presentation of the material in this document do not imply the expression of any opinion whatsoever on the part of the Secretariat of the United Nations Industrial Development Organization (UNIDO) concerning the legal status of any country, territory, city or area or of its authorities, or concerning the delimitation of its frontiers or boundaries, or its economic system or degree of development. Designations such as “developed”, “industrialized” and “developing” are intended for statistical convenience and do not necessarily express a judgment about the stage reached by a particular country or area in the development process. Mention of firm names or commercial products does not constitute an endorsement by UNIDO.

## FAIR USE POLICY

Any part of this publication may be quoted and referenced for educational and research purposes without additional permission from UNIDO. However, those who make use of quoting and referencing this publication are requested to follow the Fair Use Policy of giving due credit to UNIDO.

## CONTACT

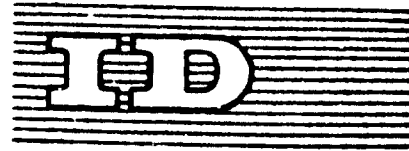
Please contact [publications@unido.org](mailto:publications@unido.org) for further information concerning UNIDO publications.

For more information about UNIDO, please visit us at [www.unido.org](http://www.unido.org)

We regret that some of the pages in the microfiche copy of this report may not be up to the proper legibility standards, even though the best possible copy was used for preparing the master fiche.



D03364



United Nations Industrial Development Organization

Distr.  
LIMITED

ID/WG.113/1  
17 November 1971

ORIGINAL: ENGLISH

Regional Seminar on Machine Tools for  
countries in Latin America

Buenos Aires Argentina, 9 to 18 October 1972

PRELIMINARY INFORMATION SHEET

PROJECT DESCRIPTION

1. Introduction

The United Nations Interregional Symposium on the Development of Metalworking Industries in Developing Countries, held in Moscow in 1966, dealt with general problems of metalworking industries in Asia, Africa, and Latin America and drew attention to the different levels of development in these regions. The percentage share of the metalworking industries in the total manufacturing output within the ECLA countries as noted was about 17%. The machine tool industry plays a key role in the expansion of metalworking industries, since nearly all the products are manufactured by metalworking machines. The success of the development of the engineering industry in developing countries depends, not only on the stock of machine tools and other industrial equipment, but on the way in which these are used in the country, as some of the developing countries have a sufficient stock of equipment which is not being fully and properly utilized. This means an additional expenditure for buying, servicing and maintenance and repair of machine tools and related industrial machinery.

This Seminar will follow a similar Regional Seminar on Machine Tools for Developing Countries of Europe and the Middle East which was held in Bulgaria in October 1971.

2. Purpose of the Seminar

The Seminar is expected to:

- (a) Give an analysis of the present status of machine tools and identify their demand in accordance with the future development of metalworking industries in the countries of this region;

- (b) Make recommendations on selection, utilization, maintenance and repair of machine tools, problems of their design manufacture, quality control and testing, and the introduction of numerically controlled machine tools into the industry of these countries;
- (c) Determine means of co-operation of the developing countries with the developed countries and UNIDO regarding selection, development, marketing and utilization of machine tools.

3. Participation and nature of the Seminar

The Seminar is organized by UNIDO in co-operation with the Government of Argentina and ECLA on a regional basis. Representatives of selected organization and enterprises in developing and industrialized countries are expected to attend the Seminar. Plant tours will be arranged to some machine tool building plants and metalworking enterprises to enable the participants to gain knowledge on the production and utilization of machine tools in workshop conditions.

It is planned to send a consultant to several countries of the region to carry out a preliminary study of the existing status and demand of machine tools. This consultant is to seek close co-operation with ECLA and the industries.

It is also planned to have country study reports prepared by the participants of the countries concerned on such aspects as demand, selection, utilization, maintenance repair, design production quality control, testing import and export of machine tools and outside technical assistance required in this field.

The report of the Seminar will be based on the agenda and results of the deliberations of the working sessions. All papers prepared for the Seminar will be distributed among participants before the meeting.

The following countries are expected to participate in the Seminar: Argentina, Austria, Brazil, Belgium, Bolivia, Ecuador, Chile, Colombia, Cuba, Federal Republic of Germany, France, Guatemala, Mexico, Panama, Paraguay, Peru, United Kingdom, United States of America, Union of Soviet Socialist Republics, Uruguay and Venezuela.

The developing countries will be represented by participants involved in policy matters and in technical aspects of design, production and utilization of machine tools. These participants are expected to prepare an outline on the actual state and plans for the development of machine tools in their countries.

4. Proposed date and location

The Seminar is expected to be held in Buenos Aires, Argentina from 9 to 18 October 1972, a period of ten days. The participants of the Seminar will visit some machine tool building plants and industrial enterprises in Argentina.

5. Working language

The working language will be English. Interpretation into Spanish and Portuguese will be arranged.

6. Sponsor

The Seminar will be sponsored by UNIDO in co-operation with the Government of Argentina and the Economic Commission for Latin America (ECLA).

7. Agenda items

1. Role of machine tool industry

- background of the development of the machine tool building industry in Argentina;
- expected demand for machine tools in the Second Development Decade.

2. Selection and utilization of machine tools

- definition and selection of machine tools;
- stock of machine tools;
- proper application of machine tools

3. Production, utilization, maintenance and repair of machine tools

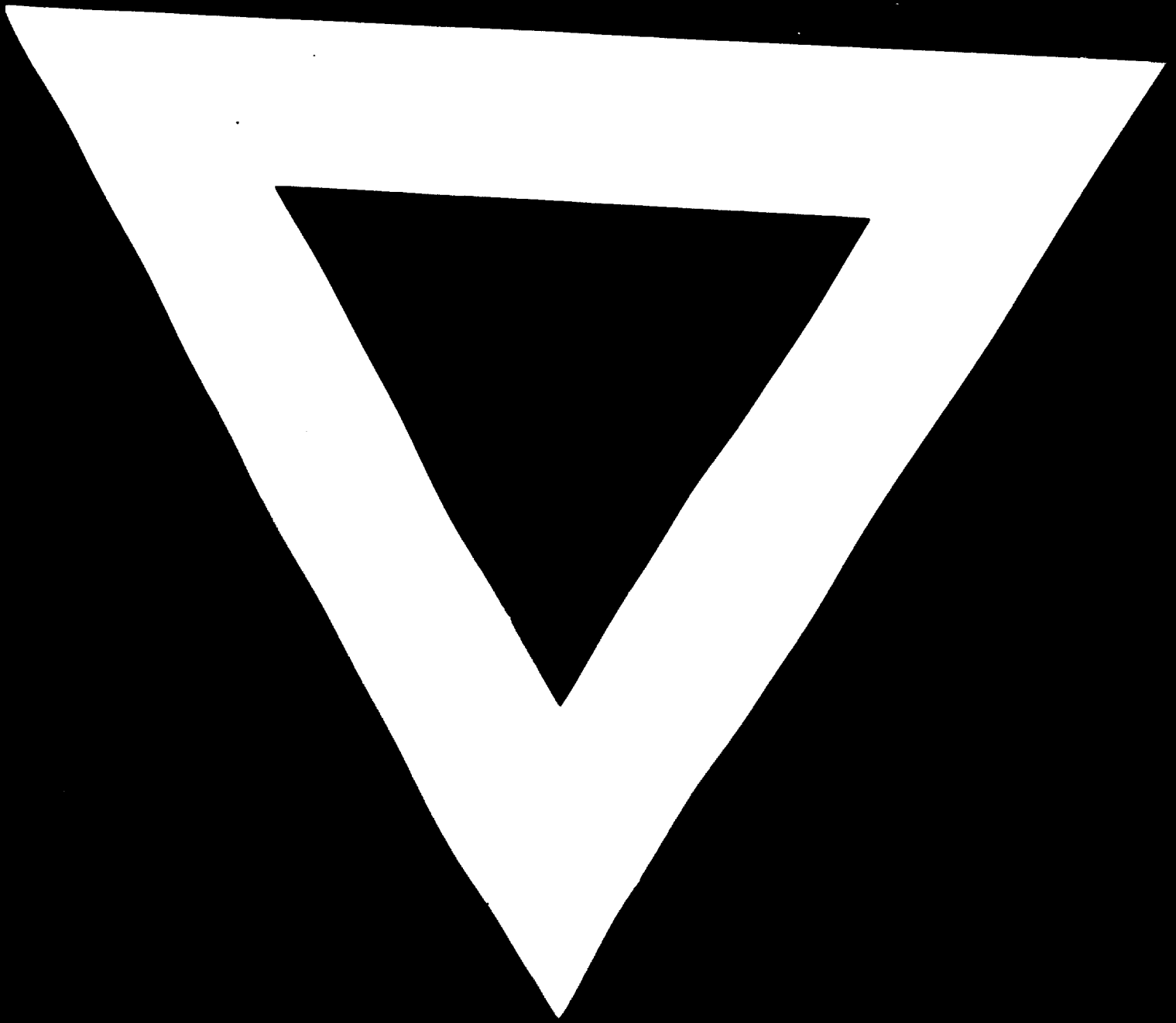
- production and pre-requisites for the production of machine tools;
- under utilization of machine tools and its causes;
- maintenance and repair;
- rebuilding

4. Prospects opened up by integration or complementary agreements for the production of machine tools

- governing policies and plans for the development of machine tools;
- investment and co-operation with foreign partners;
- marketing;
- after sales services.

5. Introduction of advanced machine tools
  - application of numerically controlled machine tools in the industrially developed countries;
  - introduction of numerically controlled machine tools in the countries of the region
6. Technical assistance required from UNIDO
  - a) selection and application of machine tools
  - b) utilization
  - c) rebuilding, maintenance and repair
  - d) design





**6 . 8 . 7 3**