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Consultation Panel on the Use of Minicomputer
Systems to Manage Industries

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A REVIEW OF A VERY GOOD MINI COMPUTER APPLICATION IN
THE AUSTRIAN PAPER INDUSTRY*

by

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** EXEC AG., Basel, Switzerland.

Main Topics:

Hardware

Software

Types of Jobs run

Personnel

Cost

Remarks

Introduction

This is a case study how a mini computer can be used with high efficiency in a particular industry - in this case a commercial application in the paper industry of Austria.

Hardware

IBM System 3, model 8; 32 K main memory
with 10 megabyte disks (5 MB fix
5 MB removable
18000 lines per hr. printer
Diskette input station 3741
Monoprogramming - sequential processing

Software

The software has been written by their own programmers almost 100%.
The number of programs is astonishingly high - some 380 Fortran
and 450 RPG programs, with a reasonable level of sophistication,
but not integrated.

Types of Jobs Run

The types of jobs run are:

Group I: Order entry and Control

Order confirmation to customer - in 3 languages
Invoicing - Domestic and Export - in 3 languages
Order review - periodic
Order evaluation - statistics
Customer statistics
Customs declaration and shipping papers - in 3 languages
Sales evaluation

Group II: Cost Accounting

- Special cost calculations
- Factory cost accounting
- Cost center analysis
- Preliminary cost calculation
- Production cost calculations

Group III: Payroll

- Personnel time control
- Gross and net wage computation
- Overtime computation
- Withholding tax computation

Group IV: Accounting

- Material purchase control
- Stock control
- Accounts receivable
- Credit limit analysis
- Dunning letters
- Control of bank guarantees, letters of credit, credit notes, etc.

These are only the main categories of jobs run. Special reports - over a hundred - are run ad hoc in addition to special semi annual and annual closing jobs.

Personnel

The personnel to handle this volume of work at the central computer is:

- 2 programmers/system analysts (male)
- 2 operators (one male, one female)
- 2 data capture girls

Costs

Machine rentals costs run around (Including a remote unit in Styria)	90,000 US/mo
Personnel costs (including operator in Styria and data capture girl)	130,000
	<hr/>
	220,000

Service

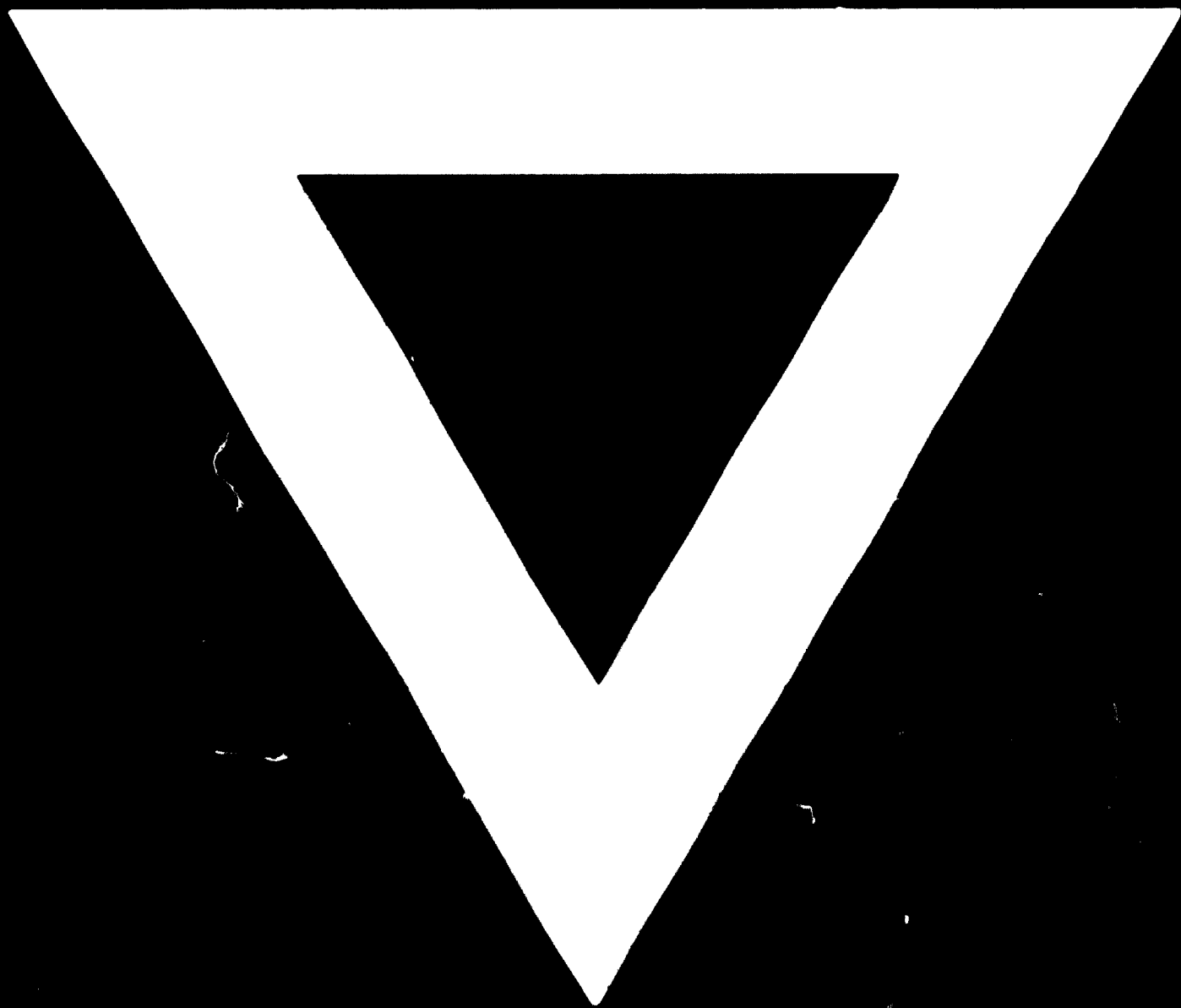
8 medium to small manufacturing firms, entirely or partly owned by this holding company, have their work done on this computer.

Remarks

This is not only a very highly disciplined and well run center, it is also one with the best documentation. For the work this center produces, it is very low cost. It is a model operation from nearly every respect and deserves the close study of anyone who wants to employ a sequential, low cost mini computer correctly.



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