

## TABS

TABS (TAPe Bill of materials System) is a Honeywell application for the manufacturer which performs three functions in the bill of materials area: It maintains the bill of materials master file, prepares printed bills of materials, and explodes bills of materials for planning purposes.

TABS is coded in COBOL, making it easily modified to suit the unique conditions of any manufacturer's manufacturing control system. It is designed to operate on Series 200 systems having the following minimum configuration:

- Central processor with 16,384 characters of main memory,
- Four tape drives,
- Printer,
- Card Reader,
- Card Punch, and
- Advanced Programming and Editing Instructions.

This configuration is appropriate for a wide variety of manufacturing companies. Those desiring to start automating their manufacturing control procedures will find that Honeywell's Tape Bill of Materials system makes the initial steps easier.

### SCOPE OF THE SYSTEM

**File Maintenance** — TABS keeps the bill of materials file up to date by adding or deleting information to reflect engineering releases or changes.

**Documentation** — TABS prints out single-level or indented bills of materials and "gozinto" lists for the entire file or for requested items only.

**Explosions for Planning** — TABS carries out a level-by-level explosion of requirements for finished goods and subassemblies. The end result of this process can be either a gross requirement report or — by applying the on-hand or available inventory to gross requirements — a net requirement report. These reports can then be used in production and material control.

### BENEFITS

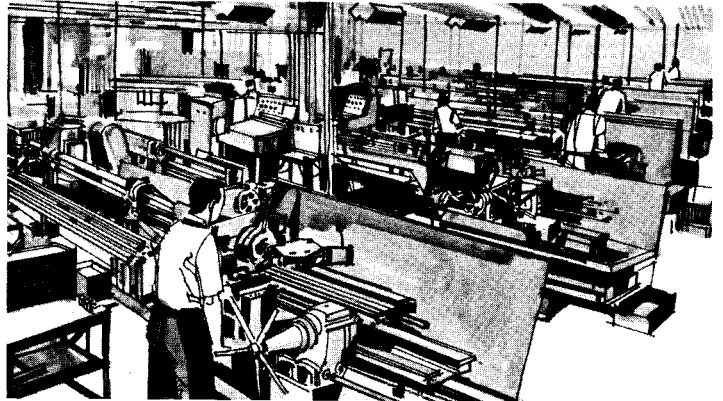
TABS is outstanding because it does so much with a small computer configuration. In addition, it is easily changed if it does not exactly fit the user's needs as supplied. Consider the following:

The scope of TABS —

#### Bill of Materials File Maintenance

- Updating of individual items
- Updating for extensive changes
- Low-level code generation

# SERIES 200



#### Bill of Materials Documentation

- Single-level bills of materials
- Indented bills of materials
- "Gozinto" lists

#### Explosions for Planning

- Gross explosions
- "Net against available inventory" explosions
- "Net against on-hand inventory" explosions

The advantages of COBOL programming —

- Ease of understanding
- Ease of modification
- High quality assurance

And the fact that TABS requires only a 16,384-character four-tape system.

### SUMMARY

TABS enables the manufacturer with a Series 200 tape-oriented computer system to use a preprogrammed application in an important area of his manufacturing control system: the bill of materials. The package is flexible, easy to adapt and a complete subsystem in itself.

TABS was developed at Black, Sivalls, and Bryson, Inc., a manufacturer in the Kansas City area, where it is operational on their Honeywell Model 200. TABS is included in Honeywell's Series 200 Users' Library. Details of the operation of the library and the procedure for requesting programs can be found in the General Bulletin titled **Submittal and Request Procedures for Users' Library**, Order No. 217.