

MAJOR FEATURE LISTING

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MAUL TECHNOLOGY M-2000 I.S. MACHINE CONTROLLER WITH INTEGRATED MACHINE DRIVE AND PUSHER SYSTEM

Overview

Machine Drive and Electronic Pusher fully integrated with the I.S. Electronic Timing System:

- All Products Operate as One System with single point control via Hot End, Master or Hand Held Terminals
- System Computers connected via a Fiber Optic Local Area Network for noise immunity and reliability
- Touch Screen Operator Interface for ease of use
- Job History stores all user setup parameters controlled by the Maul Integrated System
- Battery Backed Memory retains setup parameters and data during power outages
- Comprehensive Alarm System with Time and Date Stamps and Long Term Disk Log
- Graphic Displays for production reports, machine timing, pusher profiles, pusher retract/extend timing and speed
- Programmable Hot Ware Reject System operates manually or with Swab, Cold Mold and Special Cycles and Gob Enable
- On Line HELP system
- Internal Diagnostics for troubleshooting and monitoring critical system functions
- User Programmable Security for every system function
- Includes all control terminals necessary – no additional personal computers or other equipment necessary

Additional Features

Electronic I.S. Machine Timing System:

- Multiplex Technology greatly reduces the quantity of cables between control room and machine
- Blank and Blow Mold Swab, Cold Mold and Special Cycles with programmable Hot Ware Reject control
- Configurable Stop Position for all I.S. Machine Functions
- Programmable number of Stop Cycles
- Control of both Synchronous and Clutch Operated Stackers
- Shear Spray Control
- Operator Log with time and Date Stamps for tracking changes to setup parameters
- Adjustable Offsets for Shop, Section, Hot Ware Reject, Stacker Push and Conveyor
- Moves all Glass from Machine to Conveyor after power outage with Optional UPS and ample machine air
- Event Groups, Collision listing, Operator Notepad and more

Electronic Pusher System:

- Infinitely Variable Pusher Cam Profile with Graphic Display
- Automatic Pusher Cam Angle Calculation
- High Torque Pusher Motors and Drives

Electronic Machine Drive System:

- Automatic Machine Drive Phasing after power up or Job Load with Phase Monitor Display
- Incorporates Servo Controller for precise mechanism position control using reliable inverter drives

Production Data System:

- Collects Production Data from the Electronic Timing System that is not available by any other means
- Collects Production Data from optional counters mounted on single lines
- Storage on Hard Disk for selectable retrieval at a later time
- User Selectable Display in graphic, quantity of ware and percentage formats with hard copy print options
 - Current Shift
 - Any One of Three Previous Shifts
 - User Defined Period with Selectable Start and End Dates and Times