

HYDROPRESS MODEL HP-6
DESIGN CHANGES AND ENHANCEMENTS

Safety

- Redesigned to meet the more stringent domestic and international safety requirements that have emerged in recent years. The machine is equipped with an all-mechanical safety device to prevent any accidental injury to the operator. It consists of a hinged door for each of the two presses. As long as the doors are open, the pressing platens are mechanically prevented from descending onto the book block. Closing the doors fully releases the mechanical lock and activates the press. Thus the point of operation is fully protected from access by the operator while the platen is pressing the book block because the door is locked in the closed position. When the platen rises to the top position, the operator then opens the door fully and removes the book block.
- With the exception of the opening into which the book block is fed, the machine is totally covered with panels and is cooled with fans.
- With the exception of the incoming high voltage to power the motor, power supply and fans, all other electrical components are powered by 24 VDC.

Reliability

- The reliability of the machine has been increased by the replacement of the hard-wired control panel with a state-of-the-art Programming Logic Controller (PLC).
- The more reliable inductive proximity switches have replaced all mechanical switches.

Operation

- Training of new operators is simplified through prompts displayed on the operator interface panel.

Maintenance

- Troubleshooting is simplified through PLC generated diagnostics displayed on the Operator's Interface Panel.
- A new pump, readily available worldwide, operating at a conversational noise level of 60 dB, has a 50% noise level reduction over its predecessor.
- The 220 VAC directional control valves, not readily available everywhere, have been replaced with readily available valves operating at 24 VDC.
- Pump replacement is simplified through the use of a new motor with a pump/motor adapter that accurately aligns the pump and motor shafts.