



# Mekatronics, Inc.

## VERSAMATIC MODEL V5

### DESIGN CHANGES AND ENHANCEMENTS

Since its introduction in 1961, the VERSAMATIC™ has proven to be a great technological success. The quality of the end product has surpassed all expectations and since then the machine has become the standard of the library binding industry and recently for the emerging demand binding industry.

Progress never stands still and at Mekatronics we are always ready to embrace the latest technological advances that will make our equipment safer, more versatile and reliable.

The upgraded VERSAMATIC™ is an affordable machine with the following advantages resulting in a tremendous boost in productivity beyond that of any similar machine on the market.

#### Safety

- Redesigned to meet the more stringent domestic and international safety requirements that have emerged in recent years. With the exception of the opening into which the book block is fed, the machine is totally covered with panels and doors for maintenance.

#### Throughput

- In the original design, the machine was unable to randomly process book blocks of intermixed thicknesses without having to set-up the Adjustable Stop Link to the approximate thickness of book blocks being processed. In the redesigned machine, the Stop Link is eliminated because after having been released from the Transfer Rollers on its upward stroke, the Transfer Rollers will move toward each other no more than 1/16" that is, half the thickness of the blade. This feature not only makes the machine a truly self-adjusting one that requires no set-up time whatsoever, but also boosts productivity by eliminating cleanup of glue that rolls over the edges of the endpapers.



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- Redesigned to be able to use higher viscosity adhesives. This allows for the building-in operation not only to begin immediately, but also eliminates the adhesive squeeze-out associated with low-viscosity adhesives.

## Maintenance

Maintenance time has been reduced through the use of special all-polymeric filled Transfer Roll and Eccentric bearings that have several hundred times greater wear resistance than previous ones. This resulted in the elimination of "freeze-ups" and extending the life of the Transfer Rolls and Main Roller shafts.

Cleanup in the old design had to be carefully done in order to avoid spillage of water from getting into electrical components. The machine is now all-pneumatic in which all components are concealed for protection during cleanup.