

CENTURION™

The ideal, versatile **BUILDING-IN** machine for:

- *Library Binding*
- *Demand Binding*
- *Short-run Edition Binding*

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.

• Safe:	Numerous safety features are designed into the CENTURION™ to meet the more stringent domestic and international safety requirements. Electrically interlocked sliding doors and a fully paneled machine prevent the operator from reaching into any of the machine's moving parts and assure operator safety.
• Versatile:	A self-adjusting automatic machine for building-in book blocks of different sizes, thickness, shape of spine and types of paper with no make-ready or set-up. For library binding in which the work is not uniform, a "joint-detector" module detects the location of the joint in relation to the different convex-shaped spines for proper alignment with the joint nipping blades of the press.
• Fast:	An independent building-in machine that can be linked to the output of a casing-in machine for a fully automatic unattended operation with the finished book blocks automatically stacked on an optionally available stacker or manually operated by one operator. Depending on the length of dwell, a throughput of upwards of 3000 book blocks per shift can be attained for increased productivity over conventional methods.
• Simple & Effortless:	The casual placement of a book block on the input conveyor contributes to a low fatigue factor and a high speed of production. An eye-level operator interface control panel is located in front of the input conveyor within easy reach of the operator. Controls regulate instant action dwell time, quickset temperature and speedy-set adjustable joint nipping force.
• Heavy Duty Reliable & Quiet:	The CENTURION™ is ruggedly designed and built for heavy industrial use and trouble-free maintenance to give many years of reliable service. A Programmable Logic Controller (PLC) controls the machine with diagnostics for ease of troubleshooting.



Technical Data

Range	Minimum	Maximum
Height	3-1/8" [80 mm]	15-1/4" [390 mm]
Width	4" [100 mm]	11-3/4" [300 mm]
Bulk:	1/4" [6 mm]	4" [100 mm]
Platen Force	19,800 lbs [9000 kg.]	
Joint Forming Force	Adjustable from 440-1500 lbs [200-700 Kg.]	
Cycle time	Adjustable down to 4 sec.	
Dwell time	Adjustable from 0 – 99 sec.	
Temperature	Adjustable to 250 ⁰ F [120 ⁰ C]	
Power	16 A, 220 V, 1 Ph, 60 Hz	
Air	8.5 cfm [240 lpm], 90 psi [6 bar]	
Floor Space	9 ft. x 3 ft. [2750 x 800 mm]	
Weight	1,350 lbs. [600 Kg]	

Note: Technical data subject to change.

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