

ULTRABIND™ PLUS

When it comes to Quality, Performance and Value, there is no other choice than this Self-Adjusting, Zero Make-Ready

DOUBLE-FAN ADHESIVE BINDER

Ideal for Hardcover On-Demand Book Manufacturing

The demand to process thinner and thicker adhesive bound book blocks brought about the redesign of its predecessor the **ULTRABIND™** introduced in 1991 that brought its users time and money savings. The new **ULTRABIND™ PLUS** is now capable of processing book blocks as thin as 1/4" and as thick as 3" compared to 3/8" and 2-1/4" of its predecessor.

• Safe:	Numerous safety features are designed into the ULTRABIND™ PLUS to meet the more stringent domestic and international safety requirements. Safety light curtains, electrically interlocked hoods, motors equipped with an electronic brake and a fully paneled machine prevent the operator from reaching into any of the machine's moving parts and assure safety.
• Versatile:	A semi automatic, self-adjusting machine for binding book blocks of different sizes, thickness and types of paper with no make-ready or set-up. It integrates the <i>spine milling</i> , <i>spine notching</i> , <i>double-fan gluing</i> , <i>notch filling</i> , and <i>back lining</i> operations.
• Enhanced Quality:	<p>When double-fan adhesive bindings are done by hand, extreme care and consistency is necessary to achieve quality bindings. Because a text-block is milled, notched, double-fan glued and lined in <i>four separate hand operations</i>, the durability of the end product is at risk even with a superior adhesive. Also at risk are the debilitating wrist injuries known as carpal tunnel syndrome often incurred by those who perform repetitive tasks with their hands.</p> <p>By integrating milling, notching, double-fan sanding, double-fan gluing, notch filling and back lining <i>all in one automatic</i> self-adjusting in-line machine, the ULTRABIND™ PLUS has removed the risks from what was once a demanding and unforgiving process. In addition, the ULTRABIND™ PLUS has provided the binder with new opportunities to enter the emerging lucrative market of <i>On-Demand Binding</i>. Most important, the ULTRABIND™ PLUS will increase the quality of your product, especially when used with Mekatronics' ULTRAFLEX™ a specially formulated PVA adhesive with proven performance.</p>
• Simple & Effortless:	With all operations being automatically performed, not only is the <i>skill of operation minimized</i> , but also eliminates the debilitating wrist injury often incurred in conventional methods by those who perform repetitive tasks with their hands. <i>Safety is enhanced, fatigue is reduced, and productivity is improved.</i> An eye-level operator interface control panel is located within easy reach of the operator.
• Heavy Duty & Reliable:	The ULTRABIND™ PLUS is ruggedly designed and built for heavy industrial use and trouble-free maintenance to give many years of reliable service. An Industrial Programmable Controller (IPC) controls the machine with diagnostics for ease of troubleshooting.



Technical Data

Range	Minimum	Maximum
Height	5" [130 mm]	15-1/2" [390 mm]
Width	5" [130 mm]	4" [355 mm]
Bulk:	1/4" [6 mm]	3-1/4" [83 mm]

Power	10KVA, 220, VAC, 3 Ph, 60 Hz
Air	3 cfm [75 lpm], 95 psi [6.5 bars]
Floor Space	164" x 80" x 56" [417 x 203 x 142 mm]
Weight	Approx. 5000 lbs. [2300Kg]

Note: Technical data subject to change.

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