



AUTOBUFF



STATE-OF-THE-ART BUFFING/GRINDING/DEBURRING MACHINE



- **Programmable logic controlled, menu driven**
- **Touch screen control panel**
- **Decreases cycle and change-over time to only a few seconds**
- **Minimizes operator input**
- **Improves quality & efficiency**
- **Increases consistency**
- **Compensates for buffing roll wear & extends roll life**
- **Pneumatically controls buffing pressure**
- **Assures evacuation of process contaminates**
- **Minimizes maintenance**

AutoBuff, from Mitchell Machine, Inc., is a

new buffing, grinding and deburring machine with a menu-driven Programmable Logic Controller. State-of-the-art technology in **AutoBuff's** PLC- controlled system and a touch screen control panel minimizes operator input and measurably decreases cycle time.

Once a process for a product has been loaded it can be recalled in seconds, providing automatic quick change-over among products to be ground, polished and deburred. This increases consistency, enhances quality and improves efficiency over other finishing processes.



Mitchell Machine, Inc.
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AutoBuff's precise, pneumatically controlled buffing pressure provides flotation of buffing rolls along contours of the product being buffed. Adjustable pneumatic roll pressure and horizontal and vertical oscillation prolong buffing roll life.



The Programmable Logic Controller constantly monitors buffing roll wear and compensates for roll circumference variation to maintain a constant preset surface speed. Roll speed can be preset in small increments up to 5600 FPM.

Negative airflow maintained within the cabinet's work area evacuates particulate contaminants. Positive pressure maintained throughout the rest of the cabinet prevents migration of contaminants from the work area. Bearings and other critical mechanisms remain clear and unaffected by contaminants. Precision timing maintains parallel roll positioning through the full life of the buffing rolls. This eliminates roll tapering and excessive bearing wear.

AutoBuff is a very low-maintenance system with self-lubricating bearings and a durable epoxy painted cabinet. Mechanicals are accessible through large interlocked safety doors - an example of excellent safety features standard on **Mitchell Machine's AutoBuff** finishing machine.



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