

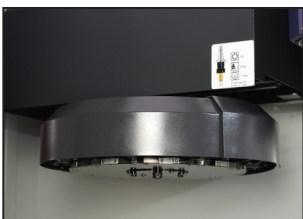
27" X 8.5" VERTICAL MACHINING CENTER

Palmgren Vertical Machining Centers are perfect for production lines, short runs, one-offs and prototyping due to their compact size. These machines provide an economical solution for machining small parts and are valuable for shops in need of a "second-op" machine, or additional spindle where needed. With their automatic tool changer, as well as, 8-tool magazine, these machines are the perfect solution for prototype or short run shops. The machines minimal footprint allows it to fit into small areas of a shop where a large machine simply could not go. Every Palmgren Machining Center is manufactured to assure that they meet the highest quality and accuracy standards. Their rigid construction allows for improved accuracy and repeatability when machining. These machines are created with quality components, which leads to long-term reliability and precision. The brain that makes these machines run lies in the Siemens 808 control. With its easy to use and intuitive interface, this control is suited to meet the needs of any level operator.

STANDARD FEATURES:

- Linear guides on all three axes
- Servo-drives on all three axes
- Safety switches on all doors for improved safety while machining
- Ball screws on all three axes
- Central lubricating system delivers oil to guideways and ball screws to provide long life and reduce maintenance requirements
- Fully integrated, flood coolant system and chip tray for easy machine cleaning and chip removal
- Siemens 808 control with handwheel

Item # 9680185/9680186



8-tool magazine with automatic tool changer



User-friendly portable handwheel

Item #	9680185	9680186
Electric Supply		
Driving Motor	1.5 HP	
Coolant Pump	1/8 HP	
Torque Motor (X, Y, Z-Axis)	2.5/3.75/3.75 ft-lb	
Voltage	230V	460V
Phase	3-Phase	
Spindle		
Spindle Taper	BT30	
Spindle Speed	50-10000 RPM	
Distance Spindle-Column	11"	
Face Milling Dimension (Max)	2.5"	
End Milling Dimension (Max)	1.18"	
Magazine		
Capacity	8	
Tool Diameter (Max)	4.25"	
Tool Weight (Max)	13.25 lbs.	
Tool Changing Time	6 Seconds	
Table		
Table Length x Width	27" x 8.25"	
Distance Spindle-Table	3.5"-15.25"	
T-Slot Size	5/8"	
T-Slot Distance	2.5"	
Number Of T-Slots	3	
Load (Max)	220.5 lbs.	
Travel		
X-Axis	12.25"	
Y-Axis	7.75"	
Z-Axis	11.75"	
Rapid Feed (X, Y, Z-Axis)	394 Inch/Min	
Accuracy		
Positioning Accuracy	+/- 0.0008"	
Repeatability Accuracy	+/- 0.0004"	
Dimensions		
Coolant Tank Capacity	13.25 Gal.	
Overall Dimensions (LxWxH)	70.75" x 64.5" x 78.75"	
Packing Dimensions (LxWxH)	79.5" x 72.5" x 84.5"	
Net Weight	3087 lbs.	
Gross Weight	3351 lbs.	