



ZPS-CNC USA, Inc.



Precision CNC Machine Tools

QUOTATION

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MODEL	DESCRIPTION	QTY.	UNIT PRICE
M5	CNC Milling Center	1	\$call
59.8" x 27.5" Table / 52" x 28" x 27.5" Axis Travel. Equipped With A DynaPath Delta 2000M CNC Control, 12" Color LCD, AC Servo Axis Motors, Full Enclosure, Cartridge Type 40 Taper Machining Center Head with 25 HP, 8,000 RPM Dual Winding Spindle Motor, 20 Station ATC & Standard Machine Tool Accessories with Manuals Included.			



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STANDARD FEATURES	
DynaPath Delta 2000 PC Based / Pentium / CNC Control with Standard Features	Std
12 inch Color LCD with Interpolated Graphics	Std
USB Reader for Part Program Storage (Maximum file size 1.4MB)	Std
Hard Disk Drive for Downloading Large Files	Std
Menu Driven Conversational & EIA "G" Code Programming	Std
Programmable Auto Spindle Speed Control with "M" Functions (M03, M04, M05)	Std
Reference and Overtravel Limit Switches	Std
Automatic Lubrication System	Std
Precision Ground Double Nut Ballscrews (40mm Diameter)	Std
Spindle Cooling System	Std
Flood Coolant with Operation Controlled by M Function	Std
Full Enclosure with Auger Type Chip Conveyor	Std
Work Light	Std
Hardened and Ground Slideways (Y axis has 4 Box Ways)	Std
Slide Way Covers	Std

MACHINE SPECIFICATIONS

TABLE	
Table Size	27.5" x 59.8"
TRAVEL	
	52" X 28" X 27.5"
"X" Axis Longitudinal Travel	51.96"
"Y" Axis Cross Travel	27.95"
"Z" Axis Vertical Head Travel	27.55"
SPINDLE HEAD	
Spindle Motor (Dual Winding Motor)	25 HP
Spindle Cooling System – Floor Type	External Chiller
Spindle Speeds / Programmable	60 to 8,000 rpm
Spindle Transmission	Belt Drive
Spindle Taper	CAT or BT 40 (CAT or BT 50)
Machining Center Head	Pull stud drawbar
Spindle Nose To Table	5" – 32.6"
Spindle Center To Column	25.6"
ARMLESS AUTOMATIC CHANGER (ATC)	
	20 Tool (24 Tool Arm Type)
AXIS MOTORS	
AC Brushless Servo Motors w/ Integral Encoder – Direct Drive	4.4 KW
RAPID TRAVERSE & CUTTING FEEDRATES	
X & Y / Z Rapid Traverse	800 / 600 IPM
X, Y, Z Maximum Cutting Feedrate	400 IPM
GENERAL INFORMATION	
Machine Weight	16,940 Lbs
Total Power Consumption	40 KVA (208/230V)
Machine Dimensions	145" X 97" X 104"

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MACHINE & CONTROL OPTIONS		
MACHINE OPTIONS		PRICE
20 Tool Armless ATC – CAT or BT 40 Only		STD
24 Tool ATC Swing Arm Type - CAT or BT 40		
24 Tool ATC Swing Arm Type - CAT or BT 50		
8,000 RPM Spindle - CAT or BT 40 Only		STD
10,000 RPM Spindle - CAT or BT 40 Only		
6,000 RPM Spindle - CAT or BT 50		
Full Sheet Metal Enclosure		STD
Screw Type Chip Conveyor		STD
Chain Type Chip Conveyor		
Electronic Handwheel On Cord - Mounted On Side Of Control		
High Pressure Pump For Chip Flush		
Touch Trigger Probe For Probing & Digitizing		P.O.R.
Table Top Probe For Automatic Tool Length Compensation		P.O.R.
Rigid Tapping (1,000 RPM Max.)		
Coolant Through Spindle with 20 BAR (290 PSI) Pump		
ZF 2 Speed Gear Box		
CONTROL OPTIONS		
Buffered Input -Permits Smooth Execution of Large Programs Without Data Starvation		
Conversational Programming Graphics		Std
Calc-Assist Package		Std
High Speed Machining		
Part Program Expansion To 448K		
Part Program Expansion To 896K RAM		
Compact Flash Memory Card – Includes 2 gig Memory Card		
RS-422 Serial Port In Place of RS-232 Port		
Customer Prepared Cycles (User Macros)		
Probing - / Includes Servo Transducer Card (4204303)		

TERMS AND CONDITIONS OF SALE

- 1) ZPS-CNC USA, Inc[®] reserves the right to modify the design and specifications of its product and software without notice.
- 2) Prices quoted are subject to review, Quotations based upon incomplete information or inaccurate specifications furnished by buyer are subject to change to reflect any increase or decrease in price.
- 3) Quotations are valid for thirty (30) days; thereafter, prices subject to change without notice.
- 4) Please confirm prices at time of order. Quotations are subject to change to reflect any increase or decrease in factory pricing.
- 5) ZPS-CNC USA, Inc[®] Standard Terms and Conditions of Sale will apply to any sale resulting from this proposal.
- 6) The warranty period specified in Section 18, Part a) of the Standard Terms and Conditions of Sale is extended as follows for Delta 2000 CNC Control and machine tool.
- 7) Seller warrants that its Machine Tools Supplied will be free from defects in material and workmanship and will conform to specifications and/or drawings to which they are manufactured by SELLER for a period of 12 months from date of shipment. The warranty covers parts only and not labor or any loss occurring directly or indirectly caused by ZPS-CNC USA, Inc product.
- 8) Unless otherwise noted all prices are F.O.B. Long Beach, California.
- 9) Machine delivery will range from stock to 90 days after receipt of order and required deposit.