

# AHB

TOOLING & MACHINERY

COMPLETE METALWORKING SOLUTIONS

(800) 991-4225

[www.ahbinc.com](http://www.ahbinc.com)

ISO Certified

[customerservice@ahbinc.com](mailto:customerservice@ahbinc.com)



## VERTICAL MACHINING CENTER



### JUPITERCNC

#### VMC-3016/VMC-4022 SERIES

Jupiter guarantees best-in-class volumetric accuracy on it's VMC product line. We ballbar every machine to a circularity of .008mm (.0003") or less in all 3 planes and provide documented results. It's not some "black art" to provide this level of accuracy; we simply take pride in using higher quality components and embrace the extra effort to fine tune those compenents to provide the highest performance available at an attainable cost.



**VETERAN**

**OWNED**

<b>SPECIFICATION</b>	<b>3016</b>	<b>4022</b>
<b>WORKING RANGE</b>		
Travel X/Y/Z	30" / 16" / 18"	40" / 22" / 20"
Spindle nose to table face	5.9" - 23.6"	5.9" - 26.0"
Table size	35.4" x 15.8"	47.3" x 21"
Table load capacity	1,100 lbs.	1,321 lbs.
T-slot width / quantity / pitch	18mm / 3 / 125mm	18mm / 5 / 100mm
<b>MAIN SPINDLE</b>		
Spindle interface	Big Plus CT-40 (STD)	
Spindle speed	12k rpm Belt (STD) / 12k rpm DDS (OPT) / 15k rpm DDS (OPT)	
Spindle power	20hp-70 ftlb / 44hp-141 ftlb (OPT) / 44hp-141 ftlb (OPT)	
Lubrication	Grease / Grease / Grease	
Cooling	Spindle Oil Chiller	
<b>FEED DRIVE</b>		
Force X/Y/Z	1,412 lbf / 1,412 lbf / 2,590 lbf	
Rapid rate X/Y/Z	1,890 ipm / 1,890 ipm / 1,260 ipm	
Linear roller guide X/Y/Z	#35 / #35 / #45	
Linear carriage X/Y/Z	4 / 4 / 4	6 / 4 / 4
Ball screw X/Y/Z (C2 dual nut)	40mm / 40mm / 40mm	
<b>AUTOMATIC TOOL CHANGER</b>		
Type	Side-mount / random, shortest distance	
Capacity	30 (STD) / 24 (OPT) / 48 (OPT)	
Max tool dia, w/empty pocket	2.95" / 5.9" (2.95" / 5.0" OPT)	
Max tool length / weight	11.81" / 15.4 lbs	
Chip to chip time	4s	
<b>ACCURACY</b>		
Positioning	.00019" / .005mm	
Repeatability	.00015" / .004mm	
Straightness	.00023" / .006mm	
Squareness	.00023" / .006mm	
<b>COOLANT</b>		
Tank / pump capacities	80 gal / 26g min	105 gal / 26g min
<b>DIMENSIONS</b>		
Floor space W x D x H	85" / 109" / 114"	109" / 82" / 126"
Weight	11,000 lbs	14,400 lbs
<b>CONNECTIONS</b>		
Power requirements	220V / 3ph / 45 kVA	
Pneumatic	90 psi min	



**When Good Enough, ISN'T.**



**COMPLETE  
METALWORKING  
SOLUTIONS**

(800) 991-4225

www.ahbinc.com

ISO Certified

customerservice@ahbinc.com