

# AHB

TOOLING & MACHINERY

COMPLETE METALWORKING SOLUTIONS

(800) 991-4225

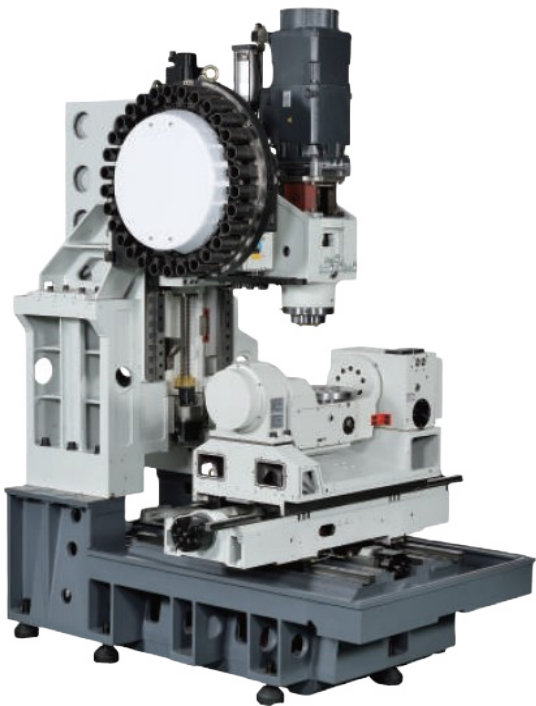
[www.ahbinc.com](http://www.ahbinc.com)

ISO Certified

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



## 5-AXIS MACHINING CENTER



### **JUPITERCNC**

#### **VMX255/VMX320 FX SERIES**

Jupiter guarantees best-in-class volumetric accuracy on it's VMX 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>VMX255</b>	<b>VMX320</b>
<b>WORKING RANGE</b>		
Travel X/Y/Z/A/C	18" / 24" / 17.8" / +30-120° / 360°	18" / 24" / 20" / +30-120° / 360°
Spindle nose to table face	1.2" - 19"	1.2" - 21.2"
Table size	Ø 10" (255 mm)	Ø 12.6" (320 mm)
Table load capacity	66 lbs.	220 lbs.
T-slot width / quantity / pitch	18mm / 8 / 45°	
<b>MAIN SPINDLE</b>		
Spindle interface	Big Plus CT-40 (STD) / HSK-63A (OPT)	
Spindle speed	15k rpm DDS (STD) / 12k rpm DDS (OPT) / 24k rpm DDS (OPT)	
Spindle power	44hp-141 ftlb / 25hp-86 ftlb (OPT) / 30hp-86 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/A/C	1,417 ipm / 1,417 ipm / 1,181 ipm / 25 rpm / 25 rpm	
Linear roller guide X/Y/Z	#35 / #45 / #45	
Linear carriage X/Y/Z	6 / 4 / 6	6 / 4 / 6
Ball screw X/Y/Z (C2 dual nut)	45mm / 45mm / 45mm	
<b>AUTOMATIC TOOL CHANGER</b>		
Type	Side-mount / random, shortest distance	
Capacity	30 (STD) / 24 (OPT) / 48 (OPT) / 60 (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	80 gal / 26g min
<b>DIMENSIONS</b>		
Floor space W x D x H	86" / 109" / 122"	86" / 109" / 122"
Weight	16,170 lbs	16,280 lbs
<b>CONNECTIONS</b>		
Power requirements	220V / 3ph / 45 kVA	
Pneumatic	90 psi min	



**When Good Enough, /SN'T.**



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