

# Clousing CNC Inventory Specials - Expires September 30, 2009



Call for special pricing

T4B TORNADO CNC LATHE



\$ 59,500

ALPHA CNC LATHE CNC 3000XS



\$ 69,500

CNC 4000/80XS ALPHA LATHE



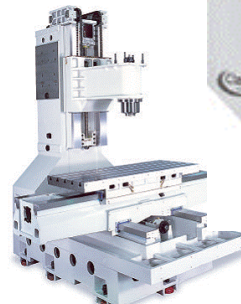
\$ 65,000

Clousing Storm VMC 610LF (Demo Unit)



\$ 64,500

VMC 1020SF STORM CNC



Meehanite Heavy Duty Construction  
(with Storm VMV 1020SF & VMC 850S)



VMC STORM CNC 850S

Call for special pricing

**ALL ABOVE SPECIAL PRICES include installation & Basic Training in Southern California ONLY!**  
Contact us for details on sales outside this area 800-575-2843 Email: [info@machinery4less.com](mailto:info@machinery4less.com)

# Specifications

<b>Model</b>	<b>CNC2000XT/MT/XS</b>	<b>CNC3000XT/MT/XS</b>
<b>Capacity</b>		
Swing over bed	15.7" (400mm)	18.1" (460mm)
Swing over cross slide	9.7" (246mm)	10.6" (270mm)
Swing in gap	23" (585mm)	28.7" (730mm)
Gap width in front of faceplate	6.5" (165mm)	8.5" (400mm)
Spindle center height from floor	42.7" (1080mm)	45" (1143mm)
<b>Construction</b>		
Width of cross slide	7" (178mm)	8" (208mm)
Type of cross slide ways	Dovetail	Dovetail
Bed width	12.5" (320mm)	15.7" (400mm)
Depth of bed	15" (380mm)	18" (400mm)
Type of bed ways	V and flat ways	V and flat ways
Coolant tank capacity	20 gallons (75 liters)	25 gallons (95 liters)
<b>Spindle</b>		
Spindle nose	D1-6	D1-8
Spindle front bearing I.D.	3.685" (94mm)	5.25" (133mm)
Spindle taper	4MT	5MT
Spindle bore	2.16" (55mm)	3.07" (78mm)
Speed ranges automatically selected	3	3
Spindle speed - low range	1-297 rpm	1-247 rpm
Spindle speed - medium range	1-861 rpm	1-740 rpm
Spindle speed - high range	1-2700 rpm	1-2200 rpm
Spindle drive	Variable AC	Variable AC
Spindle motor (Continuous/30 min)	7.5/10 hp (5/7.5kW)	10/15 hp (7.5/11kW)
Minimum spindle speed for full power	69 rpm	71 rpm
Power consumption	22 KVA	26 KVA
<b>Axis</b>		
Cross slide travel (X axis)	9.65" (245mm)	11.7" (310mm)
X-axis rapid traverse	315"/min (8m/min)	315"/min (8m/min)
X and Z-axis feed rate (inch)	.0012"-236"/rev.	.0012"-236"/rev.
X and Z-axis feed rate (mm)	.03"-60"/rev.	.03"-60"/rev.
X-axis thrust (continuous)	915 lbs. (415kg)	1,464 lbs. (664kg)
X-axis ballscrew	20 x 4 mm	25 x 4 mm
Saddle travel (Z axis)	45.5" (1156mm)	55.0" (1510mm)
Z-axis rapid traverse	394"/min (10m/min)	394"/min (10m/min)
Z-axis thrust (continuous)	2,064 lbs. (936kg)	2,196 lbs. (996kg)
X-axis ballscrew	32 x 6 mm	40 x 8 mm
Positioning accuracy	±0.0002" (.005mm)	±0.0002" (.005mm)
Repeatability	±0.0001" (.0025mm)	±0.0001" (.0025mm)
<b>Tailstock</b>		
Tailstock taper	5MT	6MT
Tailstock quill diameter	2.87" (73mm)	3.74" (95mm)
Tailstock quill travel	5.51" (140mm)	5.70" (145mm)

Illustrations and specifications are not binding in detail. The designs are subject to modification and improvement without notice. Workpiece capacity and machinable lengths and diameters will vary and may be reduced below maximum depending on workholding and tooling used.

Not all the features described in the brochure are relevant to all machines in the range.  
\*HEAVY DUTY SINGLE GUARD INTERLOCKED TO THE SADDLE

**CNC4000/80XT/MT/XS  
CNC4000/120XT/MT/XS**

**CNC4000/80XM  
CNC4000/120XM**

21.8" (554mm)  
14.5" (370mm)  
32.7" (830mm)  
8.5" (400mm)  
47" (1194mm)  
  
8" (208mm)  
Dovetail  
15.7" (400mm)  
18" (400mm)  
V and flat ways  
25 gallons (95 liters)

21.8" (554mm)  
14.5" (370mm)  
32.7" (830mm)  
8.5" (400mm)  
47" (1194mm)  
  
8" (208mm)  
Dovetail  
15.7" (400mm)  
18" (400mm)  
V and flat ways  
25 gallons (95 liters)

D1-11  
5.905" (150mm)  
5MT  
4.09" (104mm)  
3  
1-224 rpm  
1-672 rpm  
1-2000 rpm  
Variable AC  
10/15 hp (7.5/11kW)  
64 rpm  
26 KVA

D1-11  
5.905" (150mm)  
5MT  
4.09" (104mm)  
3  
1-224 rpm  
1-672 rpm  
1-2000 rpm  
Variable AC  
10/15 hp (7.5/11kW)  
64 rpm  
26 KVA

11.7" (310mm)  
315"/min (8m/min)  
.0012"-236"/rev.  
.03"-60"/rev.  
1,464 lbs. (664kg)  
25 x 4 mm  
79.1"/118.5" (2010/3010mm)  
394"/min (10m/min)  
2196 lbs. (996kg)  
40 x 8 mm  
±0.0002" (.005mm)  
±0.0001" (.0025mm)

315"/min (8m/min)  
.0012"-236"/rev.  
.03"-60"/rev.  
1,464 lbs. (664kg)  
25 x 4 mm  
79.1"/118.5" (2010/3010mm)  
394"/min (10m/min)  
2196 lbs. (996kg)  
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±0.0002" (.005mm)  
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6MT  
3.74" (95mm)  
5.70" (145mm)

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July 15, 2009					
Clausing Industrial, Inc. - CNC Stock Machine Specials					
Model Number	Volt	Description	S/N	FOB	Con'd
T4B	230	8" Slant Bed Chucker, 4000 rpm 310130-R5 Tailstock Assembly <b>TOTAL</b>	W4A013	LA, CA	Demo
CNC3000XS	460	18"X60" Alpha FANUC 21i-TB Control	X3S041	LA, CA	Loaner
CNC4000/80XS	460	21"X80" Alpha FANUC 21i-TB Control	X4S212	LA, CA	New
VMC610LF	208	24x18x20 Linear 10K, FANUC OIMC VMC107 Forth Axis Interface/Drive/Motor <b>TOTAL</b>	CV0223	LA, CA	New
VMC850S	230	33.5x20x22, Anilam 6000i, 10K, 24 ATC	CV0204	LA, CA	Demo
VMC1020SF	230	40x20x22, FANUC OIMC, 10K, 24 ATC	CV0221	LA, CA	New
VMC1020SF	230	40x20x22, FANUC OIMC, 10K, 24 ATC	CV0245		New

# STORM VMC

## Machine Specifications

Model	VMC610L/S	VMC850L/S	VMC1020L/S
<b>Table</b>			
Dimensions	31.5" x 17.7"	39.37" x 19.68"	47.24" x 19.68"
Number of T-slots	3	5	5
T-slot width	.71"	.71"	.71"
T-slots center	3.94"	3.94"	3.94"
Table load	990 lbs.	2,200 lbs.	2,200 lbs.
<b>Work Travels</b>			
X axis (long.) Linear Ways	24"	33.46"	40.15"
X axis (long.) Square Ways	24"	33.46"	40.15"
Y axis (cross)	18.1"	20"	20"
Z axis (vertical)	20.08"	22"	22"
<b>Spindle nose to table</b>			
Linear Ways	4.92" - 25"	5.9" - 27.94"	5.9" - 27.94"
Square Ways	4.92" - 25"	5.7" - 27.74"	5.7" - 27.74"
<b>Spindle center to column</b>			
Linear Ways	21.77"	24.1"	24.1"
Square Ways	21.06"	22.6"	22.6"
<b>Way dimensions</b>			
Linear Ways	X-1.2"/Y&Z-1.38"	1.38"	1.38"
Square Way Width	3.94"	4.33"	4.33"
<b>Table center to column</b>			
Linear Ways	12.72" - 30.83"	13.89" - 33.98"	13.89" - 33.98"
Square Ways	12.01" - 30.12"	12.6" - 32.7"	12.6" - 32.7"
Ballscrew dia./pitch	1.57"/.47"	1.57"/.47"	1.57"/.47"
<b>Spindle</b>			
Spindle Motor (30 min./Cont.)	15/10 hp	15/10 hp	20/15 hp
Spindle taper	CAT #40	CAT #40	CAT #40
Spindle speed	10,000 rpm	10,000 rpm	10,000 rpm
Option #1 spindle speed	12,000 rpm	12,000 rpm	12,000 rpm
Option #2 spindle speed	8000 rpm	8000 rpm	8000 rpm
Option #3 spindle speed	6000 rpm	6000 rpm	6000 rpm
<b>Feed Rates</b>			
Rapid traverse Linear Ways	1417 in/min	1417 in/min	1417 in/min
Rapid traverse Square Ways	945 in/min	945 in/min	945 in/min
Cutting feed rate	.4 - 393 in/min	.4 - 393 in/min	.4 - 393 in/min
<b>Auto Tool Changer</b>			
Number of tools	24 Twin Arm	24 Twin Arm	24 Twin Arm
Tool to tool	2.5 sec.	2.5 sec.	2.5 sec.
Max. tool dia.	7.08"	7.08"	7.08"
Max. tool length	11.81"	11.81"	11.81"
Max. tool weight	17.6 lbs.	17.6 lbs.	17.6 lbs.
Tool shank	CAT #40	CAT #40	CAT #40
<b>Miscellaneous</b>			
Coolant pump	1 hp	1 hp	1 hp
X/Y/Z axes servo motor	2.5 hp	2.5 hp	4 hp
Air pressure	70 psi	85 psi	85 psi
Lubrication	Auto Oil	Auto Oil	Auto Oil
Total KVA (3 axes/4 axes)	20/25 KVA	25/30 KVA	25/30 KVA
<b>Machine Accuracy</b>			
Positioning	±.0002"	±.0002"	±.0002"
Repeatability	±.0001"	±.0001"	±.0001"
<b>Weight</b>			
Weight Linear Ways	8,800 lbs	10,582 lbs	11,023 lbs
Weight Square Ways	8,800 lbs	11,023 lbs	11,464 lbs

\*Available with CAT #40 or BT40 belt-drive spindle. (Specifications and design are subject to change without notice or obligation.)