

**Machinery for the Fastener Industry**  
*Production machines for up to 3" diameter bar*

*Benefits of the C3A ChamferMate® include:*

*No more hand-grinding of bevels*

*Cycle normally in the two second range*

*Safer than hand-grinding*

*Accurately machines bolt chamfer*

*Sturdy construction and quality materials for years of dependable service*

*Low operating cost*

*Visit our Website for more information and video of the machines in operation.*



**C3A ChamferMate®**



**NM-2 NutMate®**



**FEATURES OF THE C3A INCLUDE:**

- Chamfer 1/2" to 3" parts
- Adjustable cutter head quickly set with gauges
- Uses standard off-the-shelf carbide inserts.
- Interchangeable grips for different size parts
- Electronic variable-speed drive
- Heavy-duty spindle that rides on machine tool-type linear ball rails
- Totally enclosed cutting area
- Large chip drawer

*(MACHINE SPECIFICATIONS ON BACK)*



**MM-24 MarkMate®**

# C3A ChamferMate® / MM-24 MarkMate® / NM-2 NutMate® Machine Specifications

All of MSI's machines can be customized to meet your individual production needs.

MODEL	C3A
Diameter Range	1/2" to 3" OD
Pipe Sizes	1/2" to 2-1/2"
Horsepower (Std)	3 HP
Voltage/Amp (1)	220-3-60 / 20A 440-3-60 / 10A
Standard RPM Range <small>Consult factory for your specific RPM application.</small>	500-2000
Pneumatic Requirement	4 CFM @ 90 PSI
Clamping	Pneumatic
Spindle Feed	Air over Oil
Feed Rate	Adjustable
Spindle Stroke	3"
Coolant	Optional
Pipe Stop (Sliding Stop)	Optional
Type of Head (Std)	Single Tool OD Only
Optional Head (2)	Three Tool ID, OD, Face
Physical Size	27"W x 35"D x 45"H
Appx Shipping Weight	1,000 lbs

MODEL	MM-24 MARKMATE®
Minimum Diameter	1/2"
Maximum Diameter	3"
Minimum Length	2"
Maximum Length	MM-24 24" MM-36 36" MM-48 48"
Marking Pressure	18,000 lbs at 90 PSI Adjustable
Physical Size:	21" x 39" (MM-24)
Appx Shipping Weight	450 lbs

MODEL	NM-2 NUTMATE®
Dual Spindle	
Diameter Range Finished Hex or Heavy Hex Nuts	1/2" to 1-1/2"
Horsepower:	1/2
Voltage/Amp	110V / 4A
Spindle RPM	Appx 700
Physical Size	32" x 72"
Appx Shipping Weight	500 lbs

## OTHER MSI MACHINES INCLUDE:



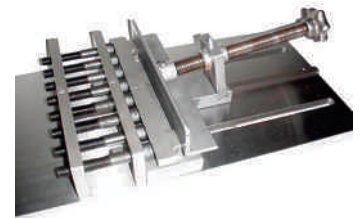
Bar Shear



FeedMate®



DrillMate



Bolt Cutoff Jig

### NOTES

- (1) Other voltages and frequencies available for additional cost.
- (2) Custom heads and tool holders for special angles, J-bevels, OD hollow milling, ID boring, center drilling, etc., are available.