



PAT MOONEY, INC.

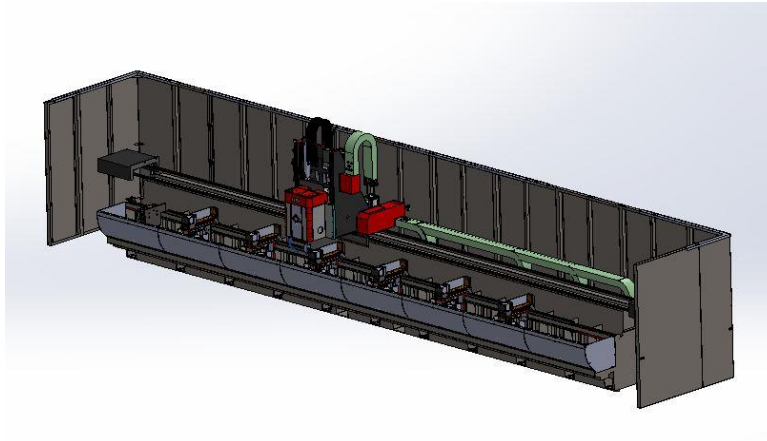
16 W. Official Road, Addison, Illinois 60101
Telephone 630/543-6222 • 800/323-7503 • Fax 630/543-5584

www.patmooneysaws.com



PMI CNC Machining Centers

PMI-CNC 300A 3-Axis Machining Center



Machine Features:

- **Standard available x-axis working length is 118" (3M)**
- **The traveling column features precision positioning accuracy**
- **The traveling column is driven through servomotor combined with a gear/rack transmission**
- **The X and Y axis are driven through servomotor combined with ball screw**
- **Each Axis moves on precision linear guide ways to allow for fast and smooth movements**
- **The Machine is equipped with air clamps to hold material in position**
- **The machine is equipped with a safety guard on the back and sides of the machine. It also is equipped with a light curtain on the front side and full spindle cover**
- **PC CNC Control is the standard equipment. It is easy to learn and operate.**
- **The machine is equipped with an oil misting system. The oil mist system will extend tool life and also ensures superior cutting quality.**
- **Spindle air blast is standard on the machine**
- **Equipped with an auto lubrication system for the linear guide ways and ball screws**

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**Travel**

X-Axis Travel	118" (3000mm)	
Y-Axis Travel	11.81" (300mm)	
Z-Axis Travel	11.81" (300mm)	
Spindle Center to table Surface	Min. 2.36" (60mm)	Max. 14.17" (360mm)

Table

Table Working Type	4 vises
Table Working Surface	11.81 x 118 Inches (300 x 3000mm)
Max Holding Power (per vise)	110kg (242 lbs)
Table Height	850mm (33.46 Inches)

Spindle

Spindle Speed	25,000 RPM
Spindle Motor	3 kw (4 HP)
Spindle taper	ER32
Max Tool Length	4 Inches
Max Tool Diameter	0.787 Inches

Feed Rate

Rapid Traverse	X: 328 FPM (100m/min)
	Y: 98.4 FPM (30m/min)
	Z: 98.4 FPM (30m/min)



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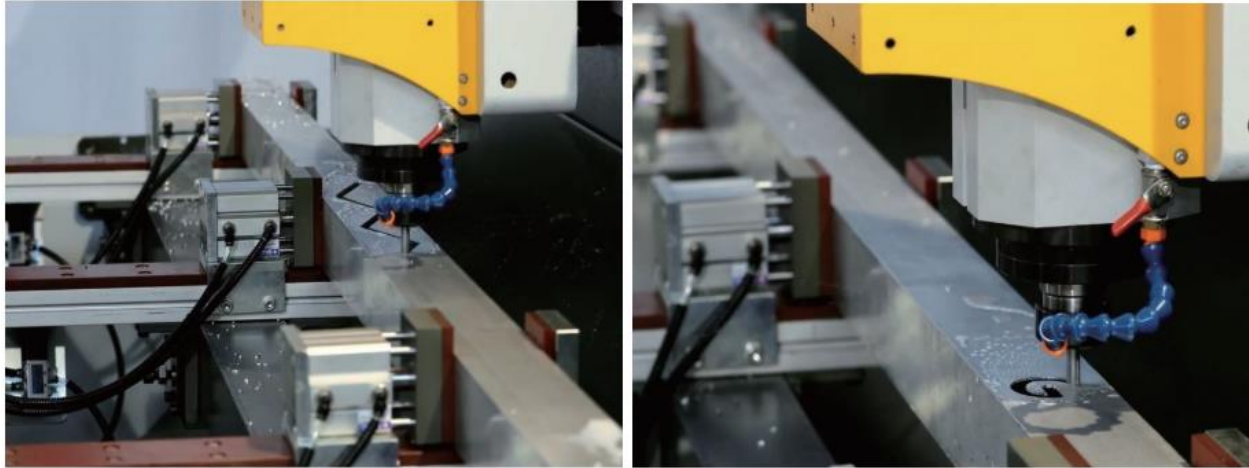


3-Axis Servomotors

X-axis: 850w Y-Axis: 750w Z-Axis: 750w (Mitsubishi)

Cutting Feed Rate

0.0393 to 39.37 Inches/min (1 to 1000mm/min)



General

Machine weight

3,000 LBS

Machine dimensions

176" x 80" x 87"



Oil Mist Cooling System

The machine is equipped with an oil mist cooling system which provides a cool cutting tool and work piece. The Oil Mist system will extend the service life of the tool and ensure a superior cut quality.