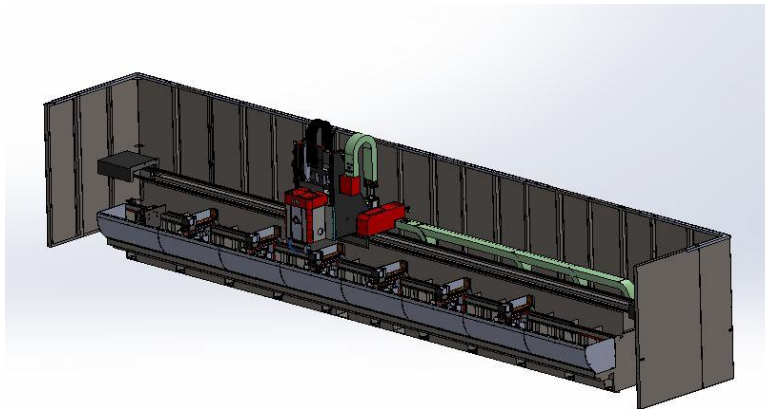




PMI CNC Machining Centers

PMI-CNC E-Type 3-Axis Machining Center



Machine Features:

- X-Axis Working Length – 137.76 to 295 Inches (3.5m to 7.5m)
- 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 an 8 tool capacity
- The Machine is equipped with air clamps to hold material in position
- The machine is equipped with a safety guard to ensure operator safety (Partial or Full cover available)
- 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
- Chip conveyor is standard on this machine



Travel

X-Axis Travel	137.76 Inches (3500mm) to 295 Inches (7500mm)
Y-Axis Travel	11.81 Inches (300mm)
Z-Axis Travel	7.87 Inches (200mm)
Spindle Center to table Surface	5.91 Inches (150mm) Max. 13.78 Inches (350mm)

Table

Table Working Type	4 to 10 vises (depending on X-axis Length)
Table Working Surface (300mm x 7500mm)	11.81 x 137.76 Inches (300mm x 3500mm) to 11.81 x 295 inches
Max Holding Power (per vise)	242 lbs (110 kgs)
Table Height	33.46 Inches (850mm)

Spindle

Spindle Speed	18,000 RPM
Spindle Motor	10 HP (7.5 kw)
Spindle taper	ISO30

Feed Rate

Rapid Traverse	X: 196.8 FPM (60m/min)
	Y: 78.72 FPM (24m/min)
	Z: 78.72 FPM (24 m/min)
3-Axis Servomotors	X-axis: 1.5Kw Y-Axis: 1Kw Z-Axis: 1Kw (Mitsubishi)



Cutting Feed Rate 0.0393 to 196.85 inches/min (1 to 5000mm/min)

Tool Storage

Tool storing capacity 8 Tools

Tool Holder ISO 30

Max Tool Diameter 2 Inches

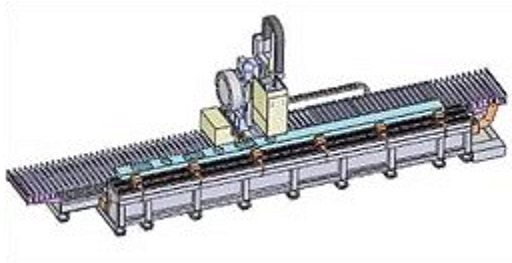
Magazine Type Automatic Disk Type

General

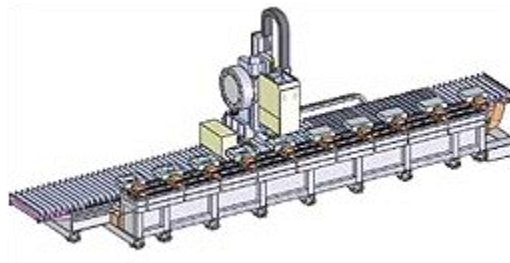
Machine weight 14,300lbs (6,500kgs) 7.5m or 7,700lbs (3,500 kgs) 3.5m

Machine dimensions 374" x 59" x 86" (7.5m) or 217" x 59" x 86" (3.5) (9500 x 1500 x 2250mm (6.5m) or 5500 x 1500 x 2250mm (3.5m))

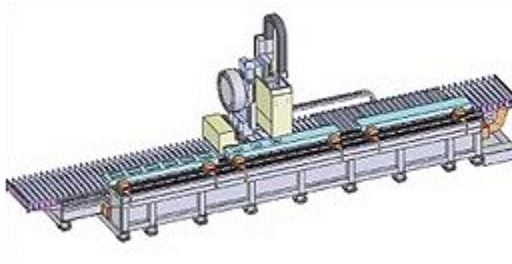
Long Scale Single Piece Processing or Short Scale Zone Processing



Long-scale Processing



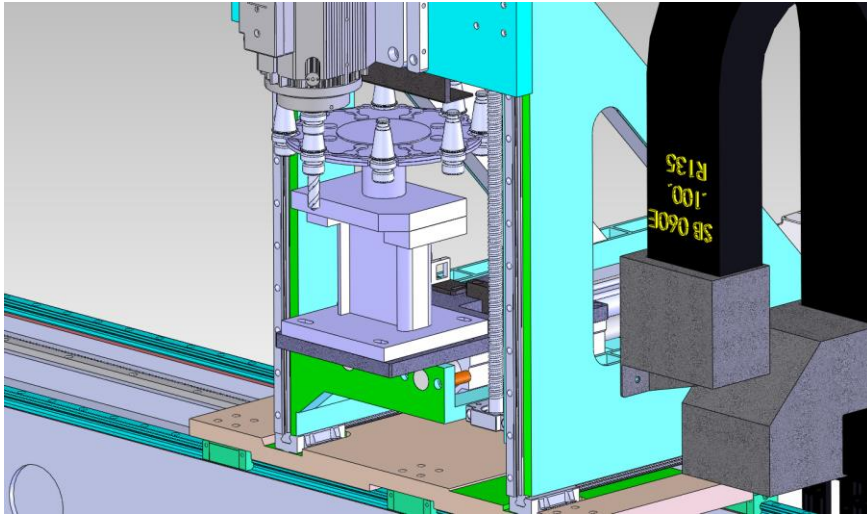
Short-scale multiple processing (optional)





Short-scale multiple processing (optional)

Automatic Tool Changer System



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.



PC-Based CNC Control

The Syntec PC Based Control is easy to learn and operator friendly.

Automatic Lubrication System

All Linear guide ways and ball screws are automatically lubricated to ensure long service life and smooth movement on all axes.