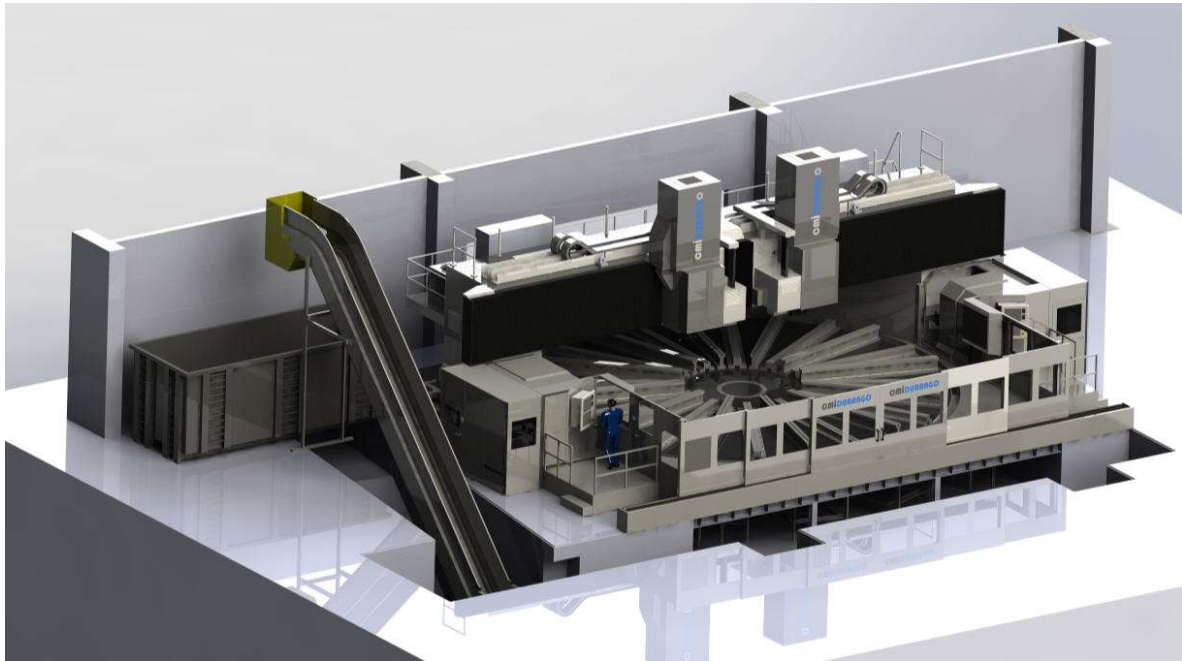


**MODEL****TVFF****APPLICATIONS****WIND POWER, RAIL, VALVES**

Fixed Bridge Vertical Lathe Milling Machine suitable for machining large parts that require both Turning and Milling processes. Its configuration and design allow a efficient chip removal, maintaining a high degree of quality in the finishing operations. These machines are suitable for a range of sectors such as Rail, Valves and Wind Power.

**TECHNICAL FEATURES**

Plate diameter (mm)	Up to 10,500
Maximum turning diameter (mm)	Up to 11,500
Longitudinal travel (X) (mm)	Up to 12,000
Vertical travel (Z) (mm)	Up to 2,000
Permissible weight on the plate (kg)	Up to 130,000 * According to requirements
Plate rotation speed (TURNING) (rpm)	15 - 300
Number of Ranges	2
Plate rotation power (2 motors) (kW)	Up to 250
Plate rotation speed (MILLING) (rpm)	0.1 - 8
Spindle rotation power (kW)	Up to 60
Spindle Speed	Up to 5,000
Number of Spindle ranges	2
External cooling (bar)*	Up to 60
Internal cooling (bar)*	Up to 60
Taper type (MILLING)	HSK 100 - ISO 50
Turning turret. Coupling type	C6 - C8

**ACCESSORIES**

<u>90° Angle Head</u>	
Power (kW)	Up to 40

Speed (rpm)	Up to 4,000
Internal cooling (bar)*	Up to 50
External cooling (bar)*	Up to 50
Number of Positions	1 (2)* 0-180°
Special Heads (MILLING)	*
Special Turrets (TURNING)	*
Head Change System	*
Second RAM	*

## STANDARD AND OPTIONAL EQUIPMENT

<b>STANDARD EQUIPMENT</b>	
Numerical Control	Siemens, Fagor, Fanuc
Electronic handwheel	
Air-conditioned electrical cabinet	
Lighting in the work area	
Hydraulic system	
Direct Feedback	
Basic Fairing	
Tele - Service	
<b>OPTIONAL EQUIPMENT</b>	
Measuring probes, tools and parts	*
Tool changer	30, 40, 60, 80, 120 *
Coolant Reservoir and associated Filtration Equipment	*
Chip Conveyors	*
Integral Fairing	*

\*Optional

## HEADS

