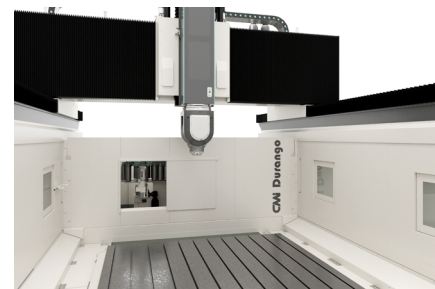
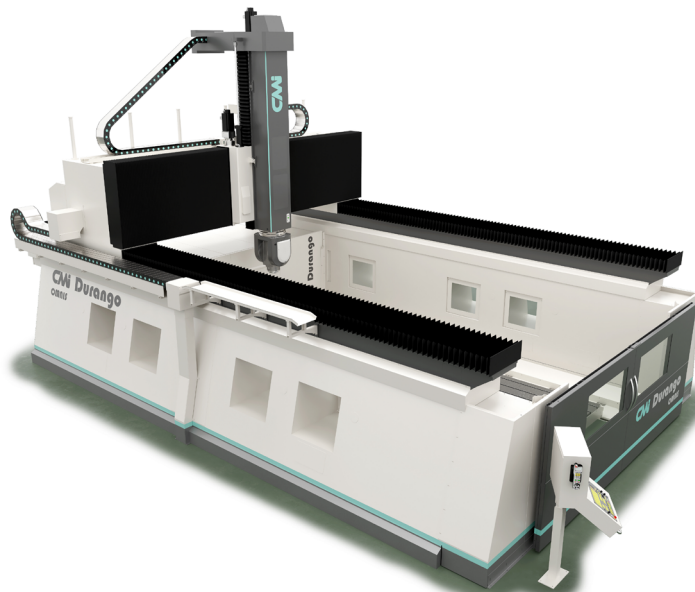


# OMNIS Milling Machines

High-quality 5-axis gantry milling machine with high chip removal capacity. Depending on their configuration, their applications are diverse and are aimed mainly at the Capital Goods, Automotive and Marine sectors.

**APPLICATIONS:**



## 5-AXIS OMNIS MILLING MACHINE Technical characteristics

Longitudinal Path (X)	5,000 ÷ 20,000
Transversal Path (Y)	2,500 ÷ 5,000
Vertical Path (Z)	1,000 ÷ 1,750
Distance between columns (mm)	3,610 ÷ 6,110
Maximum distance between spindle and table (mm)	1,200 ÷ 1,950
Maximum feed rate X-axis (m/min)	40
Maximum feed rate Y-axis (m/min)	40
Maximum feed rate Z-axis (m/min)	24
Maximum table weight (kg/m <sup>2</sup> )	15,000
Drives on X-Axis	4 rack and pinion motors (2+2)
Drives on Y-Axis	2 rack and pinion motors
Drives on Z-Axis	Ball screw spindles

Precision according to ISO 8636-1:2000

## Headstock

	Eje A	Eje C
Nominal/Maximum Torque (Nm)	2,000/3,700	1,830/3,550
Rotation speed (°/s)	360	
Locking torque (Nm)	7,000	
Rotation angle (°)	±110	±360/cont.
Measurement system	Absolute	
Positioning precision (")	±2,5	±2
Approx. total weight (kg)	2.100	



Spindles	CS-50-238-A	CS-42-238-S	CS-70-238-S
Power S1/S6 (kW)	50/63	42/55	70/90
Nominal speed (rpm)	2,000	1,000	8,000
Torque S1/S6 (Nm)	248/315	400/525	85/105
Max. speed (rpm)	15,000	8,000	22,000
Cone housing	HSK-A100	HSK-A100 / SK50	HSK-A63



## CNC



SIEMENS 840D



HEIDENHAIN ITNC 640



FANUC 31i-B5



FAGOR 8065

## Accessories

● Standard ○ Optional

Tool regulator	●	Laser tool	○
Perimeter fencing	●	Probe tool	○
40 tool changer	●	30 / 60 / 100 tool changer	○
Chip extractors	●		