

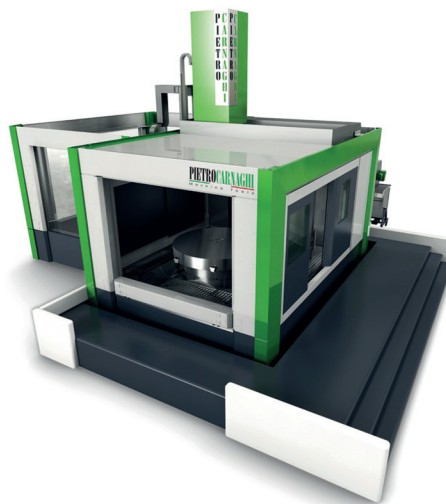
## Vertical Machining Centers

# FLEXTURN

The structure of FLEXTURN is directly designed over 90 years experience of Pietro Carnaghi in vertical machining centres.

Enriched with the most advanced milling feature available. Considering the huge experience of Pietro Carnaghi has with big structures, Flexturn keeps the concept of anchoring on jack levelers, ensuring the maximum stability. The over dimension of the structure and the perfect stability of the portal gives to our Customers the max rigidity and over performing results in terms of:

- » Dynamicity (40 mt/min)
- » Precision (upto mm 0,007)
- » High rigidity, perfect thermo symmetry and high damping capability, using the last temp-controlled systems.
- » All the machines are made with cellular construction and evaluated using FEM and Structural optimization software (Siemens NX CAE).
- » Rapid Advancements axes X / Y / Z from 40m/ min, thanks to the improvement in hydrostatic done in years of continuous development by Pietro Carnaghi.
- » Advanced hydrostatic bearings offer the maximum acceleration to zero friction.
- » Rigid Rotating platform Pietro Carnaghi at speeds up to 800 r / min.
- » Direct Drive Solution for the table of the milling spindle (2DD)



	FLEXTURN 25	FLEXTURN 25 W
Turning Platform (mm)	1600 / 1800 / 2000	1600 / 1800 / 2000
Turning / Swing (mm)	2500	2500
Milling Square (mm)	2100 X 2100	2100 X 2100
Max. Weight - no APC (APC) (kgf)	10 (8)	10 (8)
Turning Power (kw)	60	60
Turning Speed (rpm)	400 / 350 / 300	400 / 350 / 300
Turning Torque (Nm)	20	20
Turning Height (mm)	1100 (1400)	1400 (1700/2000)
OCTAGONE RAM section (mm)	400	400
Z Axis stroke (RAM) (mm)	1100 (1400)	1100 (1400)
(Carriage) Stroke (mm)	2100	2100
(Table Saddle) Stroke (mm)	2100 (+2050/-50)	2100 (+2050/-50)
(Crossrail – continous clamping position) W Axis (mm)	--	400 (700/1000)
Milling Power (Nm)	30	30
Milling Speed (rpm)	6000	6000
Milling Torque (Nm)	939	939