

Technical specification

TG 600 CNC

Axis	Stroke	Resolution	Rapid traverse	Pos. Accuracy
X	600 mm	0.0001 mm	15 m/sec	1.2 μ m
Y	300 mm	0.0001 mm	15 m/sec	1.2 μ m
Z	300 mm	0.0001 mm	15 m/sec	1.2 μ m
B	∞	0.0001 °	600 Rpm	± 1.8 "
C	-45 - 235°	0.0001 °	2160 °/min	± 1.8 "

All axis equipped with external encoders from Heidenhain.

Workhead, B-axis

Clamping interface	ISO-50
Indexing accuracy	± 1.8 "
Cylindrical grinding	600 rpm
Maximum torque	85Nm
Maximum rotor diameter	$\varnothing 120$ mm
Maximum rotor length	500mm

Grinding spindle

No. of spindles	3
(Optional up to 6 spindles)	
Max wheels on each spindle	3
Spindle indexing time	< 3 s
Spindle speed	0-12000 rpm
Spindle power	11-18.5 kW
Max grinding wheel diameter	300mm

CNC Control

Fanuc 30iMB

Dressing unit

Dresser speed	4000 rpm
Maximum dresser wheel	$\varnothing 150$ mm