



# Supercut - 10

## NEW STREAMLINED CNC TURNING MACHINE

- Modular concept, Common platform for models SUPERCUT 8/10/12
- High speed spindle with large bores
- High rapid traverse 20 m/min - lesser non cutting time
- Compact foot print approx. 4.5 sq.m. 3000x1500 - lesser shop space
- Integral hardened and precision ground guideways of 80mm x 40mm for Z-axis and 54mm x 25mm for X-axis- more bearing capacity
- Precision ball-screw C 3 class 1 Fixed-Fixed, pre-stretched mounting- higher stiffness & accuracy
- Slide in rear chip trolley or chip conveyer
- Latest Fanuc / Siemens control systems
- Turn Mill centers- Live tool and C- axis optimal.

# SPECIFICATIONS : SUPERCUT - 10

Capacity	Unit	700 ABC
Chuck size	mm	300
Turning length between centre	mm	650
Max Turning diameter between centre	mm	300
Swing over cross slide	mm	250
swing over way covers	mm	550
Max bar work size **	mm	80
Slant angle to horizontal	deg	35

Headstock:		
Spindle nose		A2-8
Hole through spindle	mm	90
Front bearing dia	mm	130
Spindle speed range	rpm	35-3000
Constant power speed range	rpm	1000-3000
Spindle motor power	kW	11/15
Spindle center height	mm	1000

Axes:		
X-axis stroke	mm	170
Z-axis stroke	mm	650
Axes motor power and torque	Nm	11
Rapid rate	m/min	20(X),12(Z)
Feed rate	mm/min	8000

Turret & Tooling's:		
Turrent type		Electromechanical
Number of stations		8/12.
Positioning Accuracy	deg	± 6 "
Repeatability	deg	±2 "
Typ of Disc		Oct-Slotted wedge type
Turning tool size	mm	25x25
Boring bar size	mm	Ø40

Tailstock:		
Quill diameter	mm	85
Tailstock centre		MT-5
Quill movement	mm	100
Tailstock travel	mm	600
Maximum thrust at 25 bar	Nm	10,000

Tank Capacity:		
Coolant tank with chip trolley	Ltr	100
Coolant tank with chip conveyor	Ltr	120
Hydraulic tank capacity	Ltr	45

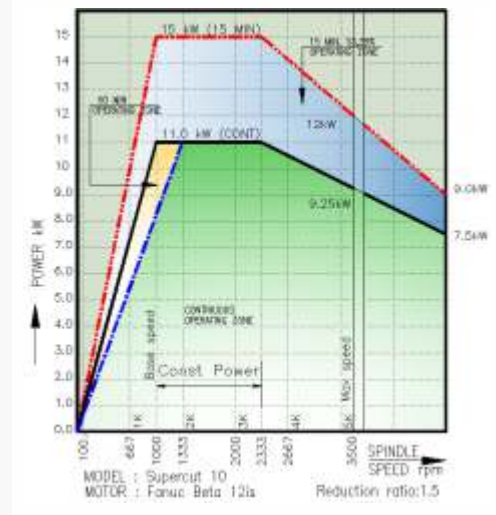
Machine Size & Weight:		
Lx Wx (approx)	mm	2500 X1500 X 1650
Weight (approx) Co. chip conveyor	kg	3000

CNC System :		
No. of axes		2
Electricals		415V, 3 Phase, 50Hz
Control voltage		24 V DC
Total connected load (Approx)	KVA	40

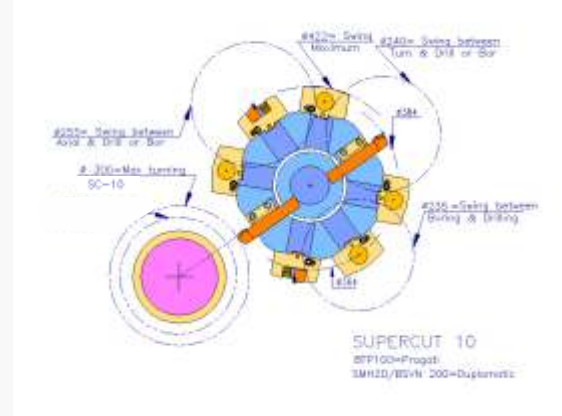
Accuracies		
Positioning accuracy x/z	mm	0.01(X)/0.015/300(Z)
Repeatability accuracy x/z	mm	0.004

Note : All specifications in this catalogue are subject to change without notice.

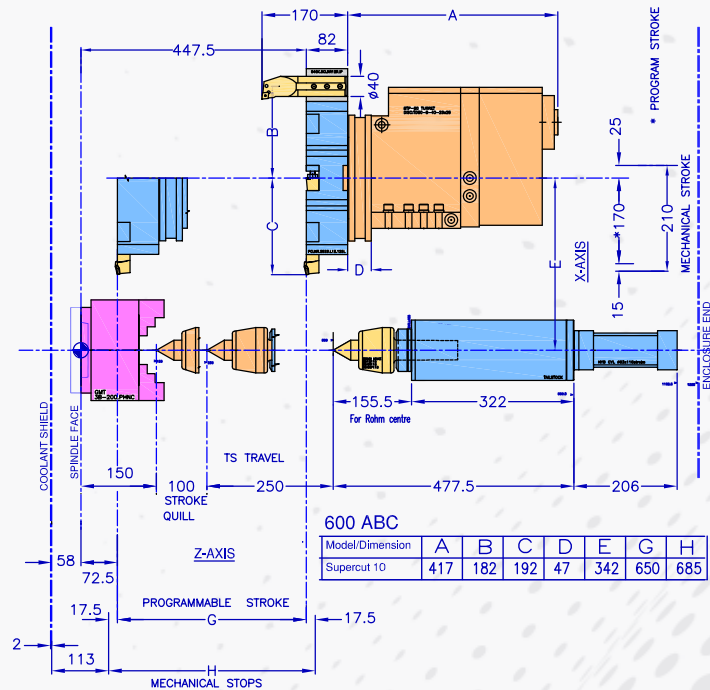
Spindle Speed Power Chart



Turret Interference Diagram



Spindle Bearing Arrangement



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