



Supercut - 12N

NEW HEAVY DUTY CNC TURNING MACHINE

- ▶ Modular concept, Models SC 12 N - 600 & 1000 ABC
- ▶ Robust spindle with big bore sizes up to 120 mm
- ▶ High rapid traverse 20 m/min - lesser non cutting time (x-axis)
- ▶ Integral hardened and precision ground guideways
- ▶ Precision ball-screw Fixed-Fixed, pre-stretched mounting- higher stiffness & accuracy
- ▶ Slide in chip trolley or chip conveyor from rear side
- ▶ Latest FANUC or Siemens CNC system
- ▶ Turn Mill centers - Live tool and C-axis optional.

600/1000 ABC

SPECIFICATION : SUPERCUT 12 N, 600/1000AC

Capacity	Unit	600 ABC	1000 ABC
Chuck size	mm	500	500
Turning length between centre	mm	600	1000
Max Turning diameter between centre	mm	500	500
swing over way covers	mm	650	650
Max bar work size **	mm	80	100
Slant angle to horizontal	deg	35	35
Headstock:			
Spindle nose		A2-8	A2-11
Hole through spindle	mm	90	120
Front bearing dia	mm	130	160
Spindle speed range	rpm	30-3000	20-2000
Constant power speed range	rpm	750-3000	750-2000
Spindle motor power	kW	18.5/22	18.5/22
Spindle center height	mm	1100	1100
Axes:			
X-axis stroke	mm	275	275
Z-axis stroke	mm	650	1500
Axes motor power and torque	Nm	27	27
Rapid rate	m/min	20(X),12(Z)	
Feed rate	mm/min	12000	12000
Turret & Tooling's:			
Turrent type		Electromechanical / Hydraulic	
Number of stations		8/12	
Positioning Accuracy	deg	+/-6" / +/-4"	
Repeatability	deg	+/-2" / +/-1"	
Typ of Disc		Oct-Slotted wedge type	
Turning tool size	mm	25x25	32x32
Boring bar size	mm	Ø40	Ø40/Ø50
Tailstock:			
Quill diameter	mm	85	85
Tailstock centre		MT-5	MT-5
Quill movement	mm	100	100
Tailstock travel	mm	400	800
Maximum thrust at 25 bar	Nm	10,000	10,000
Tank Capacity:			
Coolant tank with chip trolley	Ltr	150	215
Coolant tank with chip conveyor	Ltr	320	350
Hydraulic tank capacity	Ltr	40	40
Machine Size & Weight:			
Lx Wx (approx)	mm	3.1 x 1.8 x 1.8	3.4 x 1.8 x 1.8
Weight (approx) Co. chip conveyor	kg	5000	5500
CNC System :			
No. of axes		2	2
Electricals		415V, 3 Phase, 50Hz	
Control voltage		24 V DC	24 V DC
Total connected load (Approx)	KVA	50	50
Accuracies :			
Positioning accuracy x/z	mm	0.01(X)/0.015/300(Z)	
Repeatability accuracy x/z	mm	0.004	0.005
Note : All specifications in this catalogue are subject to change without notice.			

*Dependent on selection of work holding

Chuck



Turret



Tail Stock



Steady Rest



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