

SMEC NS2100 ASY-BSY



Type: Cnc lathe

Brand: SMEC

Model: NS2100 ASY-BSY

C.N.C: Fanuc 0iTF PLUS

Technical information

CAPACITY

Turning \varnothing : 378 mm
Turning length: 520/490 mm

1ST SPINDLE

Spindle nose: A2-8 ASA
Bar capacity: 51 (A)/67 (B) mm
Spindle speed: 4500 rpm
Motor power: 11/18.5 Kw

2ND SPINDLE

Spindle nose: A2-5 ASA
Bar capacity: 61-43 (A) / 76-43 (B) mm
Spindle speed: 6000 (A) 4500 (B) rpm
Motor power: 7.5-11 Kw

1ST TURRET

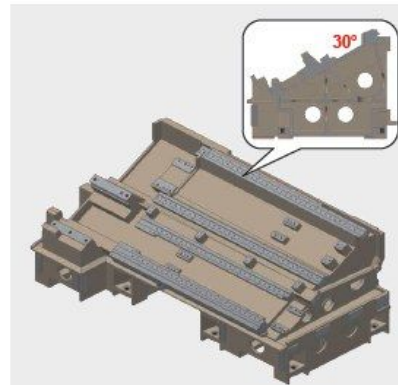
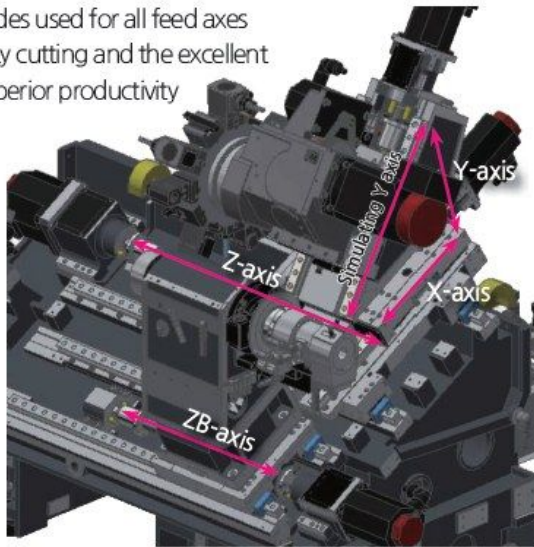
Tool Stations: 12
Power turret: 12
Motorized tools:: 20x20

SPECIFIC PROPERTIES

X axis: 205 mm
Y axis stroke: 110 mm
Z axis: 590 mm
X axis rapid traverse: 30 m/min
Y axis rapid traverse: 10 m/min
Z axis rapid traverse: 36 m/min

Machine Design

Roller type LM Guides used for all feed axes supports heavy duty cutting and the excellent rigidity provides superior productivity



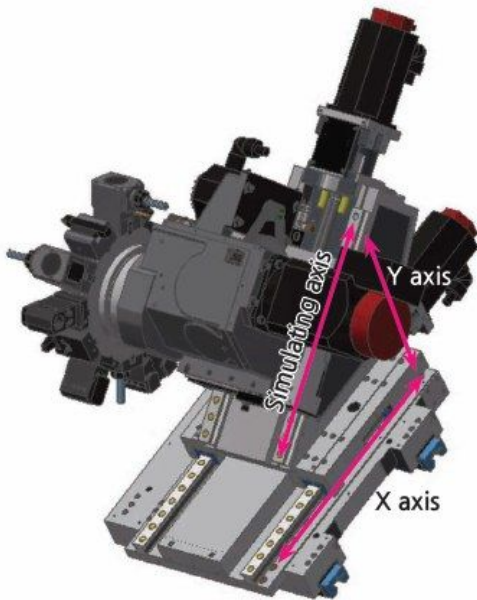
30° slant bed provides excellent stability during heavy duty cutting

The 30° slant bed with high-torque tubing and ribbed structure provide superb rigidity against twisting and bending, dampening vibration during heavy duty cutting for high precision machining

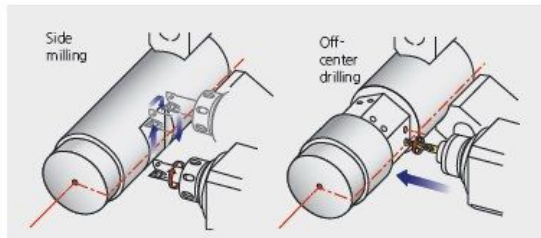
The use of a slant bed allows for easier access to the workpiece and excellent chip discharge

Model	Main chuck size	Travel (mm)				Rapid traverse (m/min)			
		X-axis	Y-axis	Z-axis	ZB-axis	X-axis	Y-axis	Z-axis	ZB-axis
NS 2100AY/ASY	6"	205	110(±55)	590	590	30	10	36	36
NS 2100BY/BSY	8"	205	110(±55)	590	590	30	10	36	36

Wedge type Y-axis with superb cutting performance



- Side milling, off-center drilling
- Wider off-center work range
- Complex shape machining with a single setup



Category	Unit	NS 2100SY
No. of tool positions	ea	12(24)
Turret type		BMT45
SHANK & BORING BAR SIZE	mm	□20×20, Ø32
Turret indexing time (1station/full turn)	sec	0.15/1
Rotary tool speed	rpm	~6,000
Rotary tool motor power (max/cont)	kW	5.5/3.7
Rotary tool torque (max/cont)	N.m	35/17.7

Spindle

