Macchine Utensili S.r.l.

PDF updated on: 15/11/2026

SMEC NS2100 ASY-BSY



Type: Cnc lathe
Brand: SMEC
Model: NS2100 ASY-BSY
C.N.C: Fanuc 0iTF PLUS

GMV Macchine Utensili s.r.l.
Via G. Paglia, 9 - 24050 Zanica (BG) IT - Tel. +39 035 591673 - Fax +39 035 593245
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Technical information

CAPACITY

Turning Ø: 378 mm
Turning length: 520/490 mm

1ST SPINDLE

Spindle nose: A2-8 ASA
Bar capacity: 51 (A)/67 (B) mm
Spindle speed: 4500 giri/min
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) giri/min
Motor power: 7.5-11 Kw

1ST TURRET

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

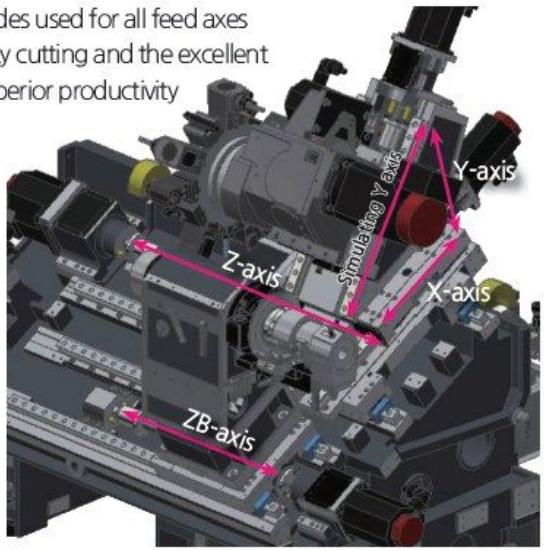
SPECIFIC PROPERTIES

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

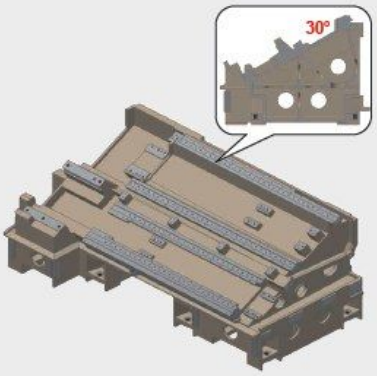
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Machine Design

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



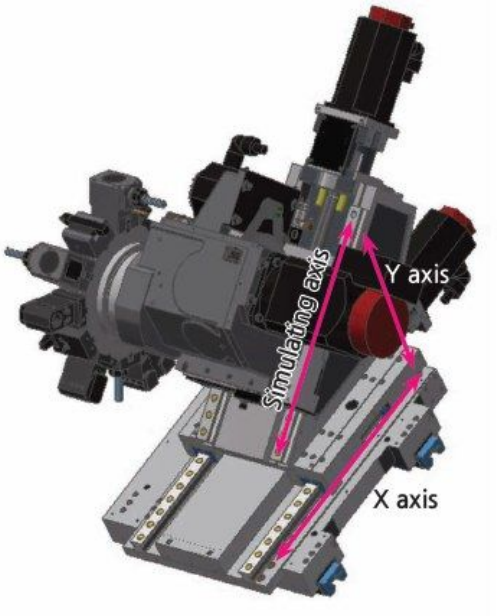
Model	Main chuck size	Travel (mm)				Rapid traverse (m/min)			
		X-axis	Y-axis	Z-axis	ZB-axis	X-axis	Y-axis	Z-axis	ZB-axis
NS 2100AY/ASY	6"	205	110(±55)	590	590	30	10	36	36
NS 2100BY/BSY	8"	205	110(±55)	590	590	30	10	36	36



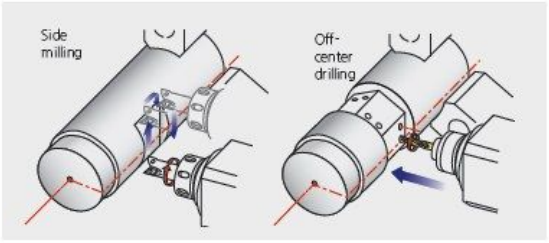
30° slant bed provides excellent stability during heavy duty cutting

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

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

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Spindle



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