Macchine Utensili S.r.l.

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SMEC NS 2100AY-BY



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Tipo: Tornio a controllo numerico

Brand: SMEC

Modello: NS 2100AY-BY

C.N.C: Fanuc 0iTF PLUS

Specifiche:

High speed, high productivity Roller Type LM Guide Y-axis Turning Center
– High rigidity bed and Roller Type LM Guides for all feed axes
– Super stable low-center of gravity 30o slant bed with maximized work area
– Significantly reduced non-cutting time for high efficiency machining
– High rigidity torque tubed and ribbed bed design to dampen vibration to allow high precision machining
– Symmetrically designed spindle to minimize thermal growth

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Informazioni tecniche

CAPACITÀ

Ø tornibile: 378 mm
Lunghezza tornibile: 520/490 mm

I° MANDRINO

Attacco mandrino: A2-6 ASA
Capacità barra: 51(A) 67 (B) mm
Velocità di rotazione: 6000 giri/min
Potenza motore: 11/18.5 Kw

II° MANDRINO

Attacco mandrino: 5 ASA
Capacità barra: 36 mm
Velocità di rotazione: 6000 giri/min
Potenza motore: 11/7.5 Kw

I° TORRETTA

Stazioni portautensili: 12
Utensili motorizzati:: 20x20

II° TORRETTA

Motorizzabili: 12

PROPRIETÀ SPECIFICHE

Corsa asse X: 205 mm
Corsa asse Y: 110 mm
Corsa asse Z: 590 mm
Avanzamento rapido asse X: 30 m/min
Avanzamento rapido asse Y: 10 m/min
Avanzamento rapido asse Z: 36 m/min

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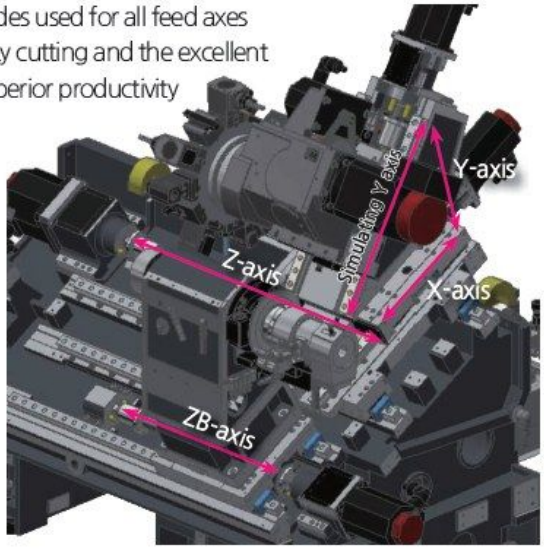




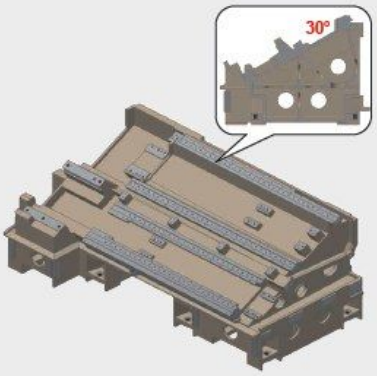
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Machine Design

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



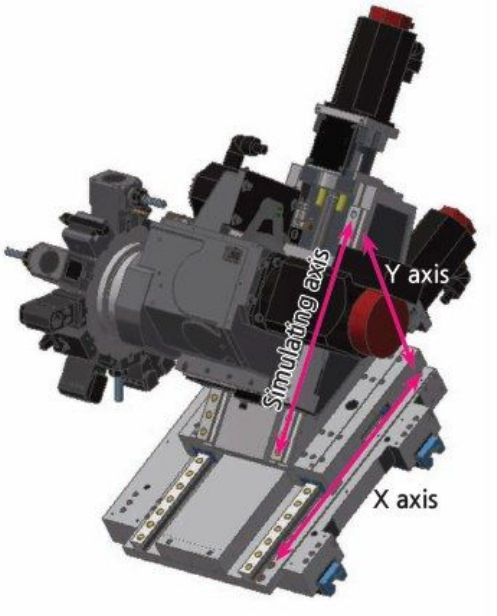
Model	Main chuck size	Travel (mm)				Rapid traverse (m/min)			
		X-axis	Y-axis	Z-axis	ZB-axis	X-axis	Y-axis	Z-axis	ZB-axis
NS 2100AY/ASY	6"	205	110(±55)	590	590	30	10	36	36
NS 2100BY/BSY	8"	205	110(±55)	590	590	30	10	36	36



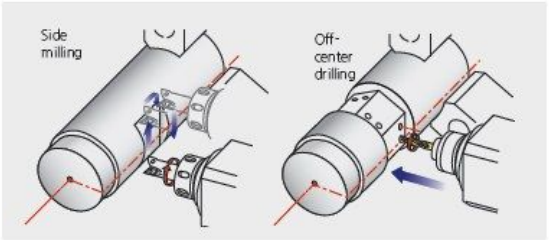
30° slant bed provides excellent stability during heavy duty cutting

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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