



**MACHINE
GREATNESS™**

Lynx 2100G



**High productivity
Gang type
Global compact
Turning center**

Lynx 2100G

ver. EN 180329 SU

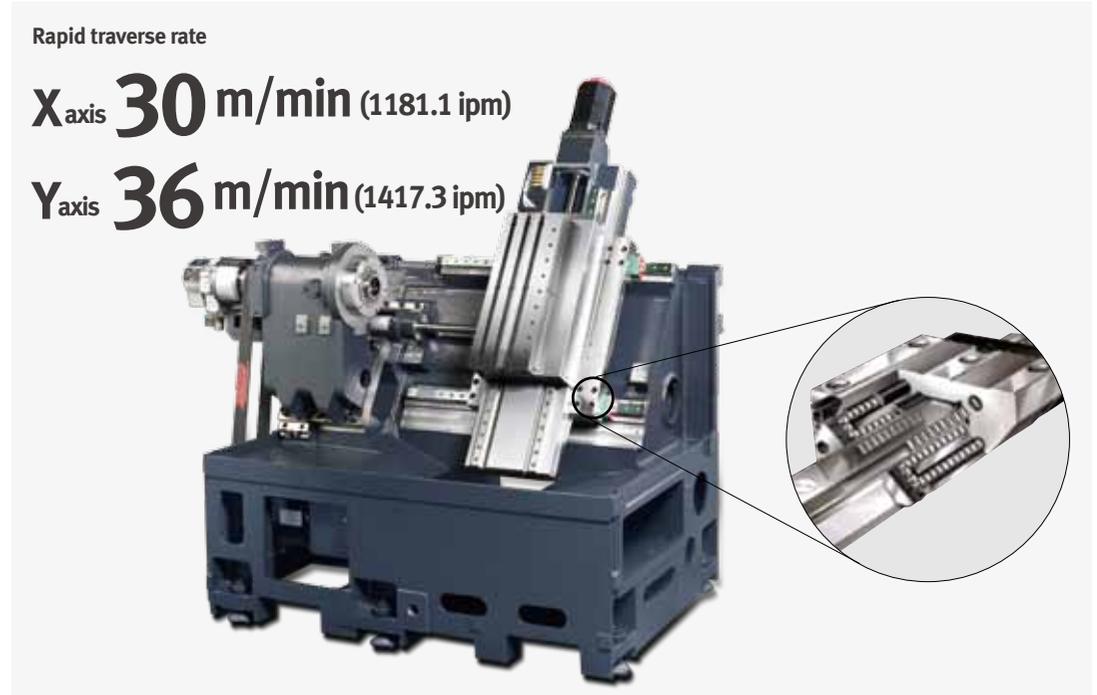


High precision and productivity gang type turning center

60° slant high rigidity one piece bed structure with roller type LM guideway on all axes ensures stable travers, vibrational absorption and increased chip disposals. Achieved high-precision machining by improving spindle heat displacement.

Best Gang type turning center with machining stability in its class

High rigid roller type LM guideways are applied to all axes to prevent vibration and secure dynamic rigidity, so ensure precise machining and high productivity.

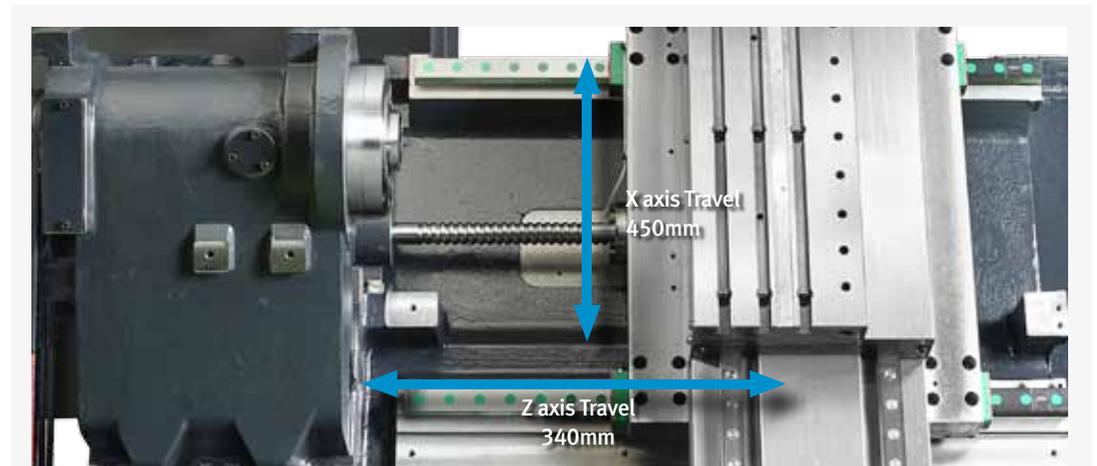


Spindle

Achieved precise machining with reliable and rigid main spindle structure. Also improved productivity with maximum spindle power in its class.

High-precision machining with thermal deformation improvement and Largest machining area

Largest machining area enables various machining, and it is advantageous for automation by wide internal space.



Chuck Size

6 inch

Bar Working Diameter

45/51 mm
(1.8 / 2.0 inch)

Max. Turning Diameter

Ø170 mm
(6.7 inch)

Max. Spindle Speed

6000 r/min

Max. Spindle Torque

118 N·m
(87.1 ft·lb)

Max. Machining Length

340 mm
(13.4 inch)

Space efficiency

The compact structure makes it easy to install even in a small space.

Compact design for small foot print and space efficiency

Optimized design of structures such as bed structure, spindle stiffness, spindle motor position and distance between guides achieved not only machining stability but also reduce the installation area by at least 20% compared to the previous model.



Improved convenience

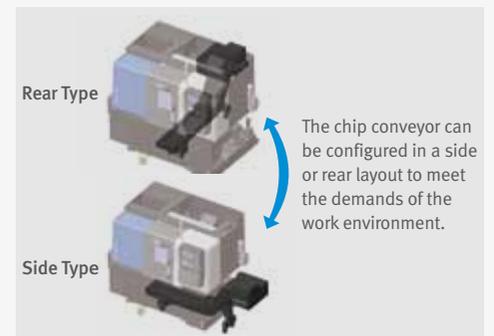
Automation ready system and ease of use

It is easy to use various functions by applying Best fit design on automation and EOP(Easy Operation Package)standard. In addition, grease lubrication has improved maintenance convenience.

Grease Lubrication System



Chip Conveyor



Various optional features are available for customer -specific work environment.



Main Features

High productivity gang type compact turning center for both high speed performance and automation system

Stable machining through high rigid machine structure

High precision spindle, optimized design of X-axis carriage and high rigid 60 degree slant type bed realized stable machining with heavy duty cutting.

Increase space efficiency by compact machine

Newly designed machine structure realized 20% reduced foot print and a side / rear type double-purpose chip conveyor.

Improved User Convenience

Easy Operation Package (EOP) enables the user to operate peripheral devices conveniently. User convenience has been further enhanced with grease type lubrication.

Machine Specification

Description		Unit	Lynx 2100G	
Capacity	Max. Turning diameter	mm (inch)	170 (6.7)	
	Max. Turning length	mm (inch)	340 (13.4)	
	Chuck size	inch	6	
	Bar working diameter	mm (inch)	45 {51}* (1.8 {2.0})	
Travels	Travel distance	X axis	mm (inch)	450 (17.7)
		Z axis	mm (inch)	340 (13.4)
	Rapid Traverse Rate	X axis	m/min (ipm)	30 (1181.1)
		Z axis	m/min (ipm)	36 (1417.3)
Spindle	Max. Spindle speed	r/min	6000	
	Spindle nose	-	A2-5	
	Main spindle motor power (S3 15% / S3 40% / cont.)	kW (Hp)	18.5 / 15 / 11 (24.8 / 20.1/14.8)	
	Max. Spindle Torque for Turning	N·m (lbf·ft)	95.5 (70.5)	
	Spindle bearing diameter	mm (inch)	90 (3.5)	
	Spindle through hole diameter	mm (inch)	61 (2.4)	
Turret	Tool holder mont type	-	Gang	
	OD tool size	mm (inch)	20 x 20 (0.75 x 0.75)	
	Max. boring bar size	mm (inch)	Ø32 (1.3)	
Machine Dimensions	Length	mm (inch)	2090 (82.3)	
	Width	mm (inch)	1400 (55.1)	
	Height	mm (inch)	1640 (64.6)	
Control	NC system	-	Doosan Fanuc i / D300	

* { } : Option



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* The specifications and information above-mentioned may be changed without prior notice.

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Fire Safety Precautions

There is a high risk of fire when using non-water-soluble cutting fluids, processing flammable materials, neglecting to use coolants and modifying the machine without the consent of the manufacturer.. Please check the INSTRUCTION MANUAL carefully before using the machine.