

**DOOSAN**



# Lynx 2100G

High productivity Gang type  
Global compact Turning center



**MACHINE  
GREATNESS™**



### 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.

**Rapid traverse rate**

**X<sub>axis</sub> 30 m/min (1181.1 ipm)**

**Y<sub>axis</sub> 36 m/min (1417.3 ipm)**



### 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.

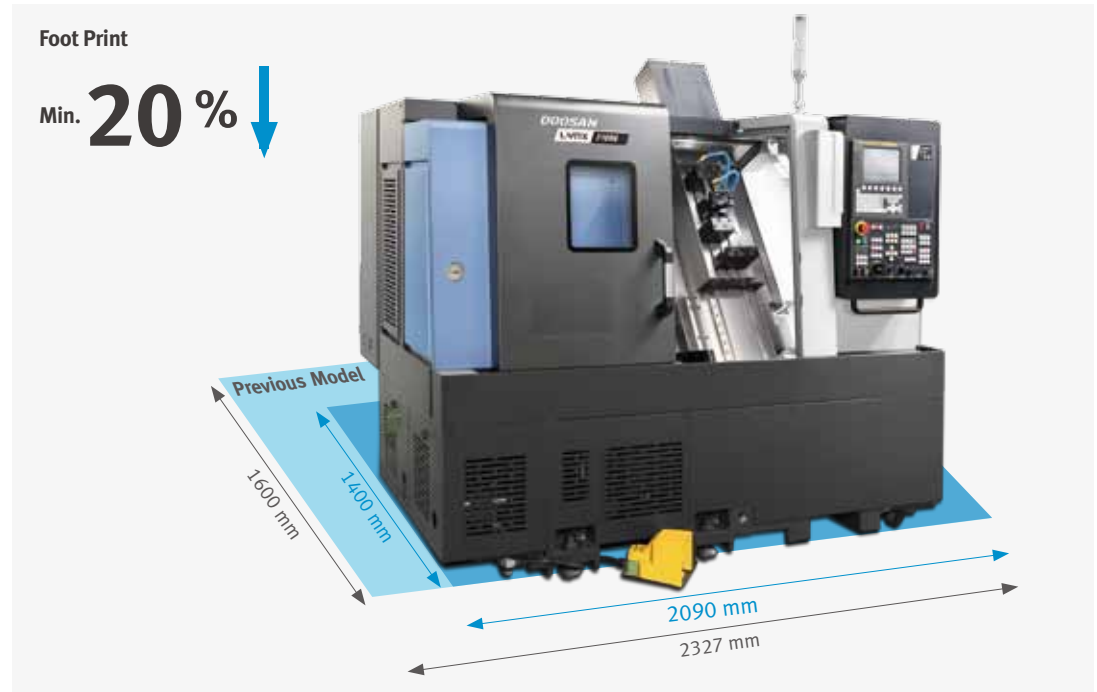
<b>Chuck Size</b>	<b>Bar Working Diameter</b> <small>option</small>	<b>Max. Turning Diameter</b>
<b>6 inch</b>	<b>45/51 mm</b> (1.8 / 2.0 inch)	<b>Ø170 mm</b> (6.7 inch)
<b>Max. Spindle Speed</b>	<b>Max. Spindle Torque</b>	<b>Max. Machining Length</b>
<b>6000 r/min</b>	<b>118 N·m</b> (87.1 ft-lb)	<b>340 mm</b> (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

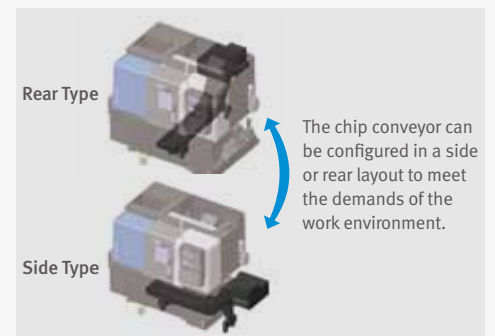
### Automation ready system and ease of use

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	450 (17.7)
		Z axis	340 (13.4)
	Rapid Traverse Rate	X axis	30 (1181.1)
		Z axis	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)

\* { } : Option

## Doosan Machine Tools

[www.doosanmachinetools.com](http://www.doosanmachinetools.com)

[www.facebook.com/doosanmachinetools](https://www.facebook.com/doosanmachinetools)

[www.youtube.com/c/DoosanMachineToolsCorporation](https://www.youtube.com/c/DoosanMachineToolsCorporation)

### Head Office

22FT Tower, 30, Sowol-ro 2-gil, Jung-gu,  
Seoul, Korea, 04637  
Tel +82-2-6972-0370 / 0350  
Fax +82-2-6972-0400

### Doosan Machine Tools America

19A Chapin Rd., Pine Brook, NJ 07058,  
U.S.A.  
Tel +1-973-618-2500  
Fax +1-973-618-2501

### Doosan Machine Tools India

106 / 10-11-12, Amruthahalli,  
Byatarayanapura, Bellary road, Bangalore-560  
092, India  
Tel +91-80-4266-0122 / 121 / 100

### Doosan Machine Tools Europe

Emdener Strasse 24, D-41540 Dormagen,  
Germany  
Tel +49-2133-5067-100  
Fax +49-2133-5067-111

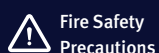
### Doosan Machine Tools China

Room 101,201,301, Building 39 Xinzhuan  
Highway No.258 Songjiang District, China  
Shanghai(201612)  
Tel +86-21-5445-1155  
Fax +86-21-6405-1472

\* For more details, please contact Doosan Machine Tools.

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

\* Doosan Machine Tools Co., Ltd. is a subsidiary of MBK Partners. The trademark **DOOSAN** is used under a licensing agreement with Doosan Corporation, the registered trademark holder.



**Fire Safety  
Precautions**

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

ver. EN 180701 SU