



Optimal Solutions for the Future

PUMA MX1600/735 series



**Doosan's compact
6" chuck Multi-
Tasking Machine**

PUMA MX1600/735
PUMA MX1600S/735
PUMA MX1600T/735
PUMA MX1600ST/735

ver. EN 160502 SU



Compact machine length **3300mm** (129.9 inch)

PUMA MX1600/735 series

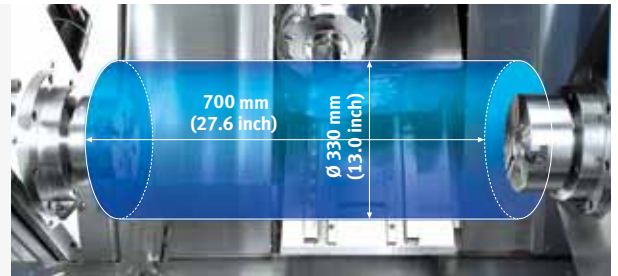
Multi-tasking machine ideal for machining small precision parts

PUMA MX1600/735 series is designed for machining small and complex work pieces such as parts often used in Medical Industry, complete in a single set up. The machine length is reduced by 500mm from the original PUMA MX1600 series. Customers have the flexibility to select between two different turret options. They can select 8 station Turret (turning only) or 16 station Turret (with milling capability) depending on the type of work.

Basic specifications

Machining capacity

- Max. machining diameter
Ø 330 mm (13.0 inch)
- Max. machining length
700 mm (27.6 inch)
- Y-axis Travel
170 (± 85) mm (6.7 (± 3.3) inch)



Left spindle

- Chuck size : 6 inch
- Max. Spindle speed : 6000 r/min
- Max. Bar working diameter
Ø 51 mm (2.0 inch)



Milling Spindle

Capto C5



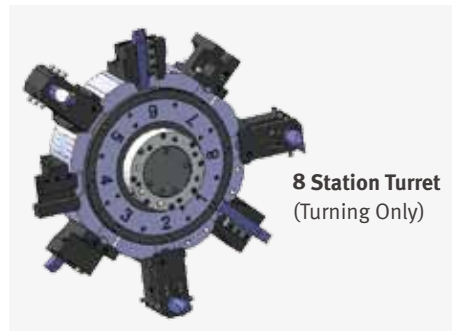
12000 r/min



option
18000 r/min

500mm
(19.7 inch)

Rigid lower turret



8 Station Turret
(Turning Only)



16 Station Turret
(With Milling)

Compact Turn-Mill Multi-tasking Machine with 6" chuck

PUMA MX1600/735 is designed to have the most compact footprint in its class with 3300mm (129.9 inch) machine length and this gives users flexibility to configure different lines within compact factory layout.

Powerful 6" chuck turn-mill multi-tasking machine

PUMA MX1600/735 features a rigid slant bed structure which is ideal for heavy-duty turning with the lower turret.

Two variation of lower turret

PUMA MX1600/735 series offers two different lower turret options, where users can select between 8 station Turret (Turning only) and 16 station Turret (with Milling) to meet their machining needs.

PUMA MX1600/735 series



Description		Unit	PUMA MX1600/735	PUMA MX1600S/735	PUMA MX1600T/735	PUMA MX1600ST/735
Capacity	Max. machining diameter	mm (inch)	330 (13.0)			
	Max. machining length	mm (inch)	700 (27.6)			
	Chuck size	inch	6			
	Bar working diameter	mm (inch)	51 (2.0)			
Travels	X1 axis	mm (inch)	450 (17.7)			
	Z1 axis	mm (inch)	735 (28.9)			
	Y axis	mm (inch)	170 (6.7)			
	B axis	deg	240 (±120)			
	X2 axis	mm (inch)	-		165 (6.5)	
	Z2 axis	mm (inch)	-		725 (28.5)	
Left spindle	Max. spindle speed	r/min	6000			
	Max. spindle power (30min/Cont.)	kW (hp)	15/11 (20.1/14.8)			
Milling spindle	Max. spindle speed	r/min	12000 {18000}* Capto C5			
	Tool shank	-	Capto C5			
Right spindle	Max. spindle speed	r/min	-	6000	-	6000
	Max. spindle power (30min/Cont.)	kW (hp)	-	15/11 (20.1/14.8)	-	15/11 (20.1/14.8)
ATC	Max. tool storage capa.	ea	40			
Lower Turret	No. of tool stations	ea	8 (Only Turning) / 16 (with Milling)			
NC system		-	FANUC 31i {FANUC 31i-5}* * { } Option			

* { } Option



Doosan Machine Tools

<http://www.doosanmachinetools.com>
www.facebook.com/doosanmachinetools

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Head Office

Yeonkang Bldg., 6th FL., 270, Yeonji-dong,
Jongno-gu, Seoul, Korea
Tel +82-2-3670-5345 / 5362
Fax +82-2-3670-5382

Doosan Machine Tools China

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

Doosan Machine Tools Japan

#2412, Mita Kokusai Bldg. 1-4-28 Mita,
Minato-ku, Tokyo 108-0073, Japan
Tel +81 3 5730 9013
Fax +81 3 5730 9016

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 Europe

Emdener Strasse 24, D-41540 Dormagen, Germany
Tel +49-2133-5067-100
Fax +49-2133-5067-001


Doosan Machine Tools India

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



* For more details, please contact Doosan Machine Tools.

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

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