



Introducing the **MX-330** the latest addition to our market leading entry level 5 axis machine series

New!



Features

- **MX-330** and automation options designed for the mass production of small workpieces.
- Matsuura hand-built 5 axis quality; exceptional performance, low cost of ownership & assured residual value.
- Manned or Unmanned; ergonomic & dynamic design performance assures productivity.
- Equipped with the **Matsuura G-Tech 31i**; touch screen with large display for operator comfort & precise control.

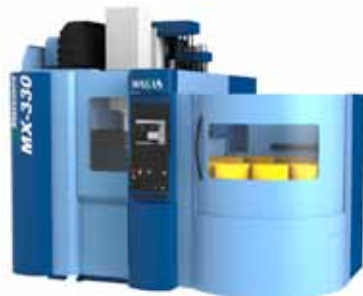
MAXIA BT40 Spindle Line up

From high speed aluminium machining to pre-hardened steels; the MAXIA spindle options offered with the **MX-330** are the pinnacle of 70 years of prestigious Matsuura spindle technology. A 15,000min⁻¹ with 65.1N·m of torque is installed as standard. A high-power 15,000min⁻¹ with 119.3N·m and a high-speed 20,000 min⁻¹ with 108.4N·m are available as options.



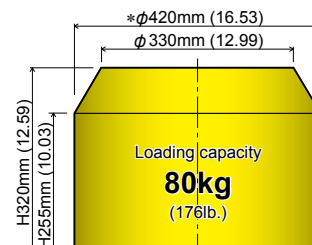
Automation & Unmanned Package Option

Matsuura's legendary unmanned running technology with the **MX-330** comes in the form of a 10 pallet (CAPTO C6 compatible) & 90 tool option; offering superb profit enhancing lights out production utilizing minimal floorspace.



PC10 (example)

■ Max. workpiece size (table specification)



* Bullet shaped

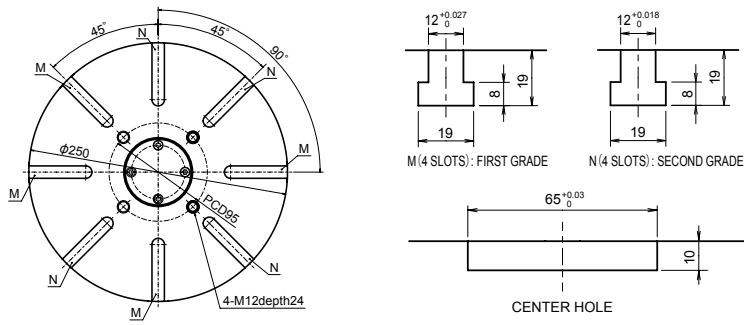
MAXIA
Innovation by Matsuura

5-Axis Vertical Machining Center

MX-330

MX-330 Table Top View

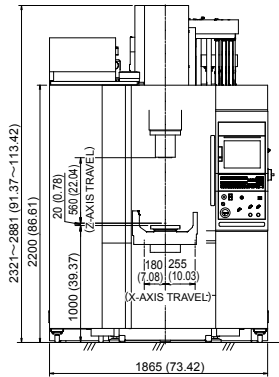
Unit : mm



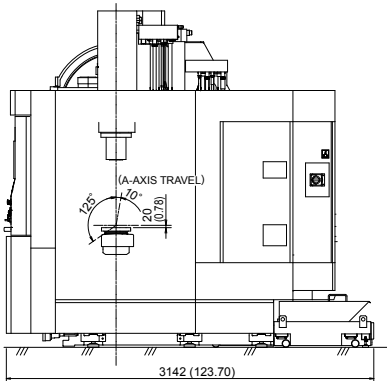
MX-330 External View

Unit : mm (in.)

Front View

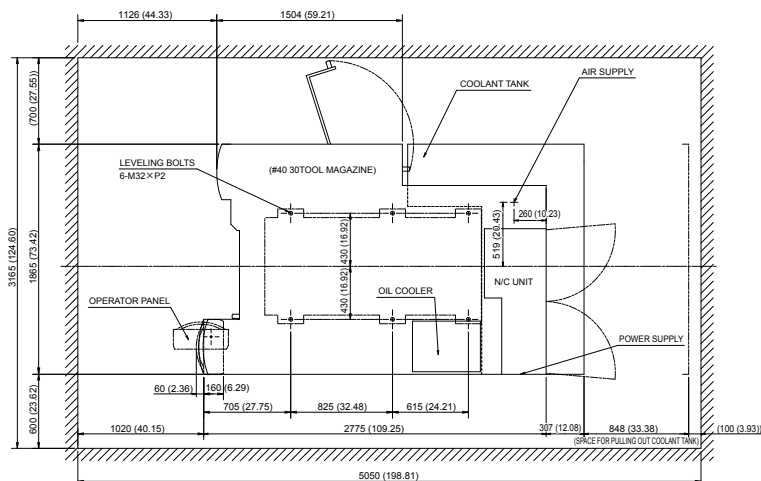


Right Side View



MX-330 Floor Plan

Unit : mm (in.)



MX-330 Machine Specifications

■ Movement and Ranges

X-axis stroke	mm (in.)	435 (17.13)
Y-axis stroke	mm (in.)	465 (18.31)
Z-axis stroke	mm (in.)	560 (22.05)
A-axis rotation angle	deg	-125 ~ +10
C-axis rotation angle	deg	360

■ Table

Working surface	mm (in.)	∅250 (∅9.84)
Loading capacity	kg (lb.)	80 (176)
Max. workpiece size	mm (in.)	∅330×H320 (∅12.99×H12.59) ∅420×H320 (∅16.53×H12.59) (with restrictions)

■ Spindle

Spindle speed	min ⁻¹ (kW, N·m)	15000 (5.5 / 7.5, 65.1)	Standard
	min ⁻¹ (kW, N·m)	15000 (7.5 / 15, 119.3)	Option
	min ⁻¹ (kW, N·m)	20000 (15 / 18.5, 108.4)	Option
Spindle speed change command		S5 digits direct command	
Type of spindle taper hole		7/24 taper #40 (BT double contact type)	
Spindle bearing inner diameter	mm (in.)	∅70 (∅2.75)	
Spindle motor output	kW	AC5.5/7.5	
Max. spindle torque	N·m	65.1	

■ Feedrate

Rapid traverse rate X / Y / Z	mm/min (ipm)	40000 (1574.8)	
	min ⁻¹	17 / 33	
Feedrate X / Y / Z	mm/min (ipm)	1 ~ 40000 (0.03 ~ 1574.8)	
	min ⁻¹	17 / 33	

■ Automatic Tool Changer

Type of tool shank		JIS B 6339 tool shank 40T	
Pullstud		JIS B 6339 pullstud 40P	
Tool storage capacity	tools	30 (Drum magazine)	Standard
	tools	60 (Chain magazine)	Option
	tools	90 (Chain magazine)	Option
Max. tool diameter	mm (in.)	∅80 (∅3.14) (With adjacent tools) ∅150 (∅5.90) (Without adjacent tools)	
Max. tool length	mm (in.)	300 (11.81)	
Max. tool mass	kg (lb.)	10 (22.05)	
Method of tool selection		Memory random system	

■ Pallet Specification

Working surface	mm (in.)	∅130 (5.12)	
Max. workpiece size	mm (in.)	∅330×H300 (12.99×11.81)	
Pallet type		CAPTO C6	
Number of pallets		1 (Single pallet)	
		10 (Floor pallet system)	

■ Robot interface

Robot interface + auto door		Only an interface added for robot	
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■ Power Sources

Electrical power supply	kVA	31 (Depends on the options provided)	
Power supply voltage	V	AC 200 / 220 ± 10% Transformer required for the voltage except above	
Power supply frequency	Hz	50 / 60 ± 1	

■ Tank Capacity

Coolant tank capacity	L	350	
Oil cooler tank capacity	L	4 (Total capacity: 6)	

■ NC System

Control system		Matsura G-Tech 31i	
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URL : <http://www.matsura.co.jp/>
E-MAIL : webmaster@matsura.co.jp

MATSUURA MACHINERY CORPORATION

1-1 Urushihara-cho Fukui City 910-8530 Japan TEL : +81-776-56-8106 FAX : +81-776-56-8151

MATSUURA EUROPE GMBH (www.matsura.de/)

Berta-Cramer-Ring 21 D-65205 Wiesbaden-Delkenheim, Germany TEL : +49-6122-7803-80 FAX : +49-6122-7803-33

MATSUURA MACHINERY LTD. (www.matsura.co.uk/)

Gee Road, Whitwick Business Park, Leicestershire LE67 4NH, England TEL : +44-1530-511-400 FAX : +44-1530-511-440

MATSUURA MACHINERY GmbH (www.matsura.de/)

Berta-Cramer-Ring 21 D-65205 Wiesbaden-Delkenheim, Germany TEL : +49-6122-7803-0 FAX : +49-6122-7803-33

ELLIOTT MATSUURA CANADA INC. (www.elliottmachinery.com/)

2120 Buckingham Road Oakville L6H 5X2, Canada TEL : +1-905-829-2211 FAX : +1-905-829-5600

MATSUURA MACHINERY USA INC. (www.matsurausa.com/)

325 Randolph Ave., St. Paul, MN 55102, U.S.A. TEL : +1-651-289-9700