MX Series Machine Specifications

		MX-330 PC10	MX-420 PC10
			
Travel (X/Y/Z)	mm (in.)	435 / 465 / 560 (17.13 / 18.31 / 22.05)	435 / 465 / 560 (17.13 / 18.31 / 22.05)
Travel (A/C)	deg	-125 ~ +10 / 360	-125 ~ +10 / 360
Working Surface	mm (in.)	ø130 (ø5.12) PC10	ø130 (ø5.12) PC10
Max. Work Size	mm (in.)	ø330 x H300 (ø12.99 x H11.81) PC10	ø420 x H300 (ø16.54 x H11.81) PC10
Loading Capacity	kg (lb.)	80 (176)	80 (176)
Spindle Speed	min^{-1}	15,000 : BT40 Standard 15,000 Power Up : BT40 Option 20,000 : BT40 Option	15,000 : BT40 Standard 15,000 Power Up : BT40 Option 20,000 : BT40 Option
Rapid Traverse (X/Y/Z)	m/min (ipm.)	40 (1,574.80)	40 (1,574.80)
Rapid Traverse (A/C)	min^{-1}	17 / 33	17 / 33
Number of Tools	—	30 : BT40 Standard 60 / 90 : BT40 Option	30 : BT40 Standard 60 / 90 : BT40 Option
Number of Pallets	—	Fixed Table Standard 1 Option 10 : Floor Pallet System Option	10 : Floor Pallet System Standard
NC System	—	Matsuura G-Tech 31i	Matsuura G-Tech 31i

		MX-520 PC4	MX-850 PC4
		 New!	 New!
Travel (X/Y/Z)	mm (in.)	630 / 560 / 510 (24.80 / 22.04 / 20.07)	900 / 780 / 650 (35.43 / 30.70 / 25.59)
Travel (A/C)	deg	-125 ~ +10 / 360	-125 ~ +30 / 360
Working Surface	mm (in.)	ø400 (ø15.75) PC4	ø630 (ø24.80) PC4
Max. Work Size	mm (in.)	ø520 x H330 (ø20.47 x H12.99) PC4	ø850 x H385 (ø33.46 x H15.16) PC4
Loading Capacity	kg (lb.)	175 (385) PC4	400 (880) PC4
Spindle Speed	min^{-1}	12,000 : BT40 Standard 12,000 Power Up : BT40 Option 15,000 : BT40 Option 20,000 : BT40 Option	12,000 : BT40 Standard 15,000 : BT40 Option 20,000 : BT40 Option
Rapid Traverse (X/Y/Z)	m/min (ipm.)	40 (1,574.80)	40 (1,574.80)
Rapid Traverse (A/C)	min^{-1}	33 / 50	20 / 40
Number of Tools	—	60 : BT40 Standard 90 / 120 : BT40 Option	60 : BT40 Standard 90 / 120 : BT40 Option
Number of Pallets	—	Fixed Table Standard 4 : Floor Pallet System Option	Fixed Table Standard 4 : Floor Pallet System Option
NC System	—	Matsuura G-Tech 31i	Matsuura G-Tech 31i

MATSUURA MACHINERY CORPORATION 4-201 Higashimorida, Fukui-city 910-8530 Japan
TEL : +81-776-56-8106 FAX : +81-776-56-8151 URL : https://www.matsuura.co.jp/ E-MAIL : webmaster@matsuura.co.jp
MATSUURA EUROPE GMBH Berta-Cramer-Ring 21 D-65205 Wiesbaden-Delkenheim, Germany
TEL : +49-6122-7803-80 FAX : +49-6122-7803-33 URL : https://www.matsuura.de/ E-MAIL : info@matsuura.de
MATSUURA MACHINERY LTD. Gee Road, Whitwick Business Park, Coalville Leicestershire LE67 4NH, England
TEL : +44-1530-511-400 FAX : +44-1530-511-440 URL : https://www.matsuura.co.uk/ E-MAIL : sales@matsuura.co.uk
ELLIOTT MATSUURA CANADA INC. 2120 Buckingham Road Oakville Ontario L6H 5X2, Canada
TEL : +1-905-829-2211 FAX : +1-905-829-5600 URL : https://www.elliottmachinery.com/ E-MAIL : sales@elliottmachinery.com
MATSUURA MACHINERY USA INC. 325 Randolph Ave., St.Paul, MN 55102, U.S.A.
TEL : +1-651-289-9700 URL : https://www.matsuurausa.com/ E-MAIL : info@matsuurausa.com

MX-Series E3.0 202207 2000 S

Matsuura

5-Axis Vertical Machining Center

MX Series

MX-330 PC10

New!

MX-420 PC10

MX-520 PC4

New!

MX-850 PC4

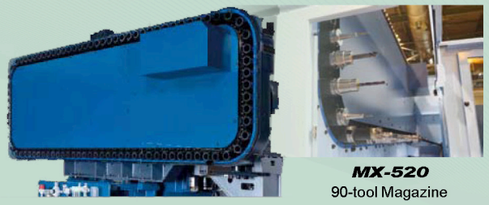
MAXIA
Innovation by Matsuura

A Solution to "Automation" and "Unmanned Operation" Needs

Simple automation for the ***MX series*** with good operability, high machining capability, good cost performance, and the keyword "A Smooth Transition to 5-axis Machining"
Automation and unmanned operation is enabled in a small footprint.

Automation Package

- Automation added to the ***MX*** concept
- Floor pallet system and simple automation package
- Automation system built in a small space



MX-520
90-tool Magazine

MX-330 PC10
Floor Pallet System

MX-520 PC4
Floor Pallet System

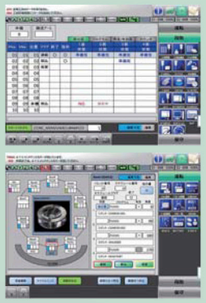
Spiral Chip Conveyor

MX-850 PC4
Lift-up Chip Conveyor (Side disposal)

MX-520 PC4
Work Station

Schedule Operation Details

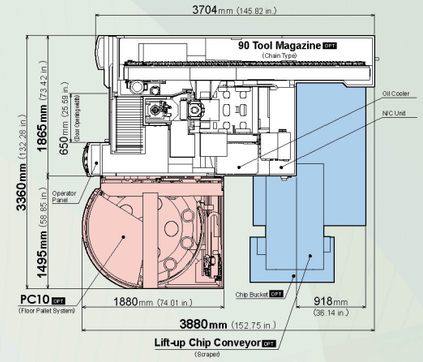
Schedule operation	Machining from a pallet with a smaller schedule number
"Interruption" pallet setting	Giving top priority to urgent parts and interrupting in the preset schedule
"Hold" pallet setting	Setting up pallets during the daytime for unmanned machining at night time
Continuous operation	Machining. Specified pallets continuously
"End" pallet setting	Finishing the schedule operation when the machining on an "end" pallet is completed



Unmanned Automation Package Option

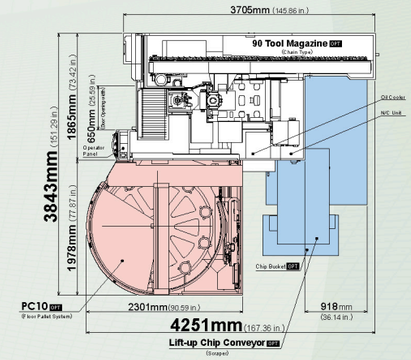
MX-330 PC10

MX-330 Machine Specification	
Spindle Speed	15,000 min^{-1}
Max. Spindle Motor Torque	65.1 N·m
Pallet	ø130 (ø5.12 in.)
Max. Work Size	ø330 × H300 mm (ø12.99 × H11.81 in.)



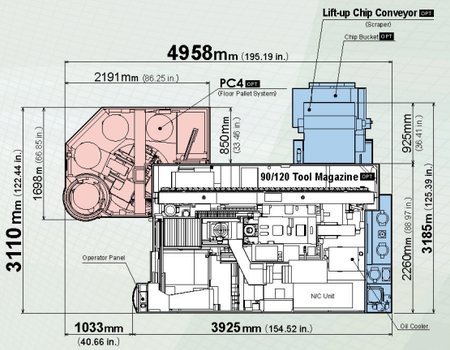
MX-420 PC10

MX-420 Machine Specification	
Spindle Speed	15,000 min^{-1}
Max. Spindle Motor Torque	65.1 N·m
Pallet	ø130 (ø5.12 in.)
Max. Work Size	ø420 × H300 mm (ø16.54 × H11.81 in.)

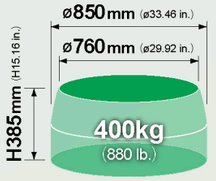


MX-520 PC4

MX-520 Machine Specification	
Spindle Speed	12,000 min^{-1}
Max. Spindle Motor Torque	120 N·m
Pallet	ø400 mm (ø15.75 in.)
Max. Work Size	ø520 × H330 mm (ø20.47 × H12.99 in.)



MX-850 PC4



MX-850 Machine Specification	
Spindle Speed	12,000 min^{-1}
Max. Spindle Motor Torque	187 N·m
Pallet	ø630 mm (ø24.80 in.)
Max. Work Size	ø850 × H385 mm (ø33.46 × H15.16 in.)