



URL : <https://www.matsuura.co.jp>  
E-MAIL : [webmaster@matsuura.co.jp](mailto:webmaster@matsuura.co.jp)

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**MATSUURA MACHINERY CORPORATION**

4-201 Higashimorida, Fukui-city 910-8530 Japan  
TEL : +81-776-56-8106 FAX : +81-776-56-8151

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**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](mailto:info@matsuura.de)

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**MATSUURA MACHINERY Ltd.**

Gee Road, Whitwick Business Park, Coalville Leicestershire,  
LE67 4NH, England  
TEL : +44-1530-511-400  
URL : <https://www.matsuura.co.uk>  
E-MAIL : [sales@matsuura.co.uk](mailto:sales@matsuura.co.uk)

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**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](mailto:sales@elliottmachinery.com)

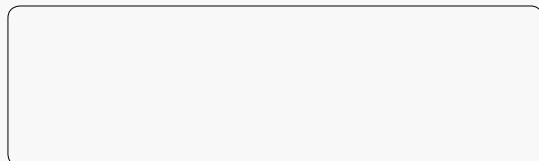
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**MATSUURA MACHINERY USA INC.**

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](mailto:info@matsuurausa.com)

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- Product specifications and dimensions are subject to change without prior notice.
- The photos may show optional accessories.



Products are subject to all applicable export control laws and regulations.

GENERAL E14.0 202405 3000 S



# Product Range





## MX Series

5-Axis Vertical Machining Centers

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Vertical Machining Centers

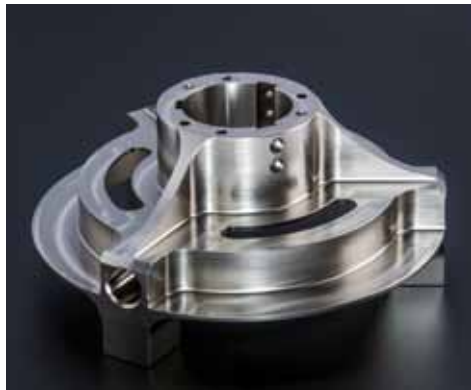
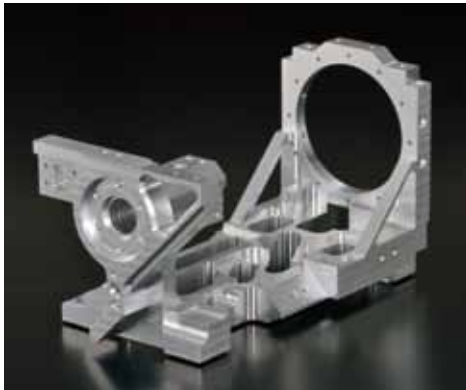
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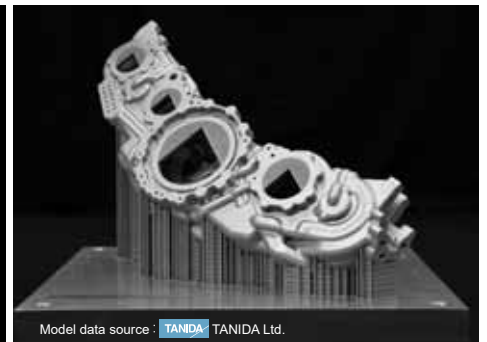
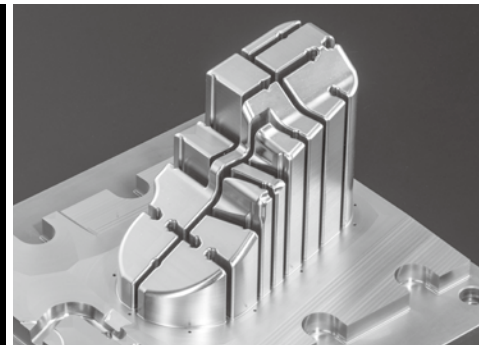
## LUMEX Series

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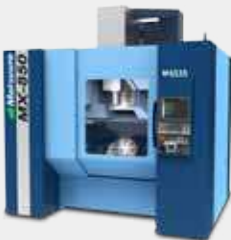
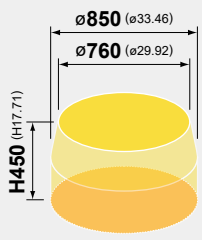

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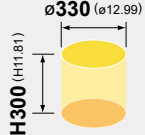


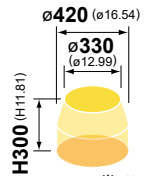


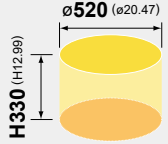


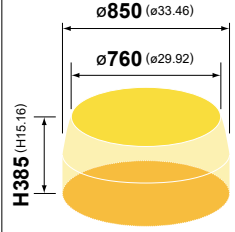



Model data source [TANIDA](#) TANIDA Ltd.

## Secure & Simple Operation A Smooth Transition to 5-Axis Machining

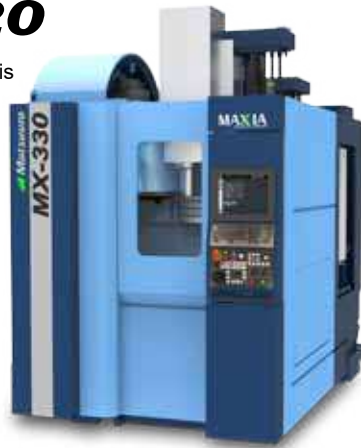
	Max. Work Size : mm (in.)	Loading Capacity : kg (lb.)
<p><b>MX-330</b></p> 	 <p>※ with restrictions</p>	<p><b>80 (176)</b></p> 
<p><b>MX-520</b> <i>New!</i></p> 	 <p>※ with restrictions</p>	<p><b>200 (440)</b></p> 
<p><b>MX-850</b> <i>New!</i></p> 	 <p>※ with restrictions</p>	<p><b>500 (1,100)</b></p> 

## A Solution to “Automation” and “Unmanned Operation” Needs Unmanned Automation Pakage Option

	Max. Work Size : mm (in.)	Loading Capacity : kg (lb.)
<p><b>MX-330 PC10</b></p> 		<p><b>80 (176)</b></p> 
<p><b>MX-420 PC10</b></p> 	 <p>※ with restrictions</p>	<p><b>80 (176)</b></p> 
<p><b>MX-520 PC4</b> <i>New!</i></p> 		<p><b>175 (385)</b></p> 
<p><b>MX-850 PC4</b> <i>New!</i></p> 	 <p>※ with restrictions</p>	<p><b>400 (880)</b></p> 

# MX-330 / 420

Our market leading entry level 5-Axis Machine



**PC10**



**PC10**

		<b>MX-330</b>	<b>MX-420</b>
Travel : X/Y/Z	mm (in.)	435 / 465 / 560 (17.13 / 18.31 / 22.05)	
Travel : A/C	deg	-125 ~ +10 / 360	
Working Surface	mm (in.)	ø250 (ø9.84) <b>Standard</b> ø250 (ø9.84) <b>Option</b> + 6 ports for fixture hydraulic system ø130 (ø5.12) <b>PC10 Option</b>	ø130 (ø5.12)
Max.Work Size	mm (in.)	ø330 x H320 (ø12.99 x H12.59) ø420 x H320 (ø16.53 x H12.59) With restrictions ø330 x H300 (ø12.99 x H11.81) <b>PC10 Option</b>	ø330 x H300 (ø12.99 x H11.81) ø420 x H300 (ø16.54 x H11.81) With restrictions
Loading Capacity	kg (lb.)	80 (176)	
Spindle Speed	min <sup>-1</sup>	15,000 : BT40 <b>Standard</b> 15,000 Power Up: BT40 <b>Option</b> 20,000 : BT40	
Rapid Traverse : X/Y/Z	m/min (ipm)	40 (1,574.80)	
Rapid Traverse : A/C	min <sup>-1</sup>	20 / 40	
Number of Tools		30 : BT40 <b>Standard</b> 60 / 90 : BT40 <b>Option</b>	
Number of Pallets		Fixed Table <b>Standard</b> 10 : Floor Pallet System <b>Option</b>	10 : Floor Pallet System
NC System / OS		<b>Matsura G-Tech 31i / MIOS 4</b>	

# MX-520

Secure & Simple Operation  
A Smooth Transition to 5-Axis Machining

Increase your 5-Axis machining efficiency with automation PC4 + 90 tool package



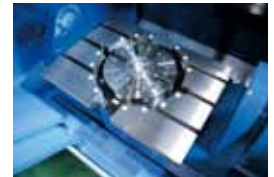
**New!**



**PC4**



ø500mm (ø19.68in.) Table  
**Option**



ø300mm (ø11.81in.) Flat Table  
**Option**

		<b>MX-520</b>	
Travel : X/Y/Z	mm (in.)	630 / 560 / 510 (24.80 / 22.04 / 20.07)	
Travel : A/C	deg	-125 ~ +10 / 360	
Working Surface	mm (in.)	ø300 (ø11.81) <b>Standard</b> ø300 (ø11.81) + Flat Table <b>Option</b> ø500 (ø19.68) <b>Option</b> ø400 (ø15.75) <b>PC4 Option</b>	
Max.Work Size	mm (in.)	ø520 x H350 (ø20.47 x H13.77) ø710 x H350 (ø27.95 x H13.77) ø520 x H330 (ø20.47 x H12.99)	With restrictions <b>PC4 Option</b>
Loading Capacity	kg (lb.)	200 (440) 175 (385) <b>PC4 Option</b>	
Spindle Speed	min <sup>-1</sup>	12,000 : BT40 <b>Standard</b> 12,000 Power Up: BT40 15,000 : BT40 <b>Option</b> 20,000 : BT40	
Rapid Traverse : X/Y/Z	m/min (ipm)	40 (1,574.80)	
Rapid Traverse : A/C	min <sup>-1</sup>	33 / 50	
Number of Tools		60 : BT40 <b>Standard</b> 90 / 120 : BT40 <b>Option</b>	
Number of Pallets		Fixed Table <b>Standard</b> 4 : Floor Pallet System <b>Option</b>	
NC System / OS		<b>Matsura G-Tech 31i / MIOS 4</b>	

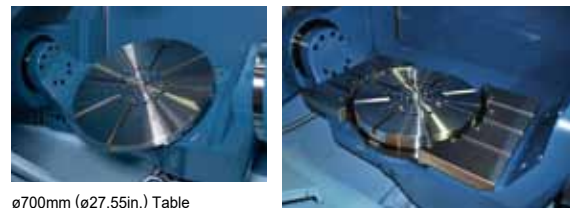
# MX-850

Cost Effective, Large Capacity  
5-Axis Excellence

**New!**



**PC4**



ø700mm (ø27.55in.) Table

**Option**


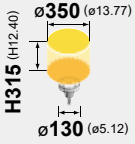


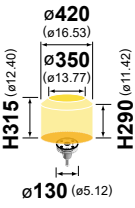


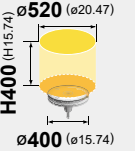


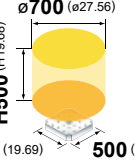


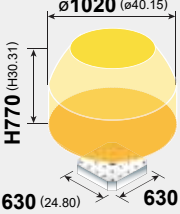
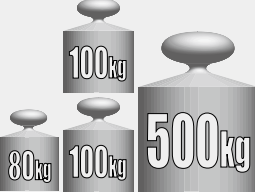
### Flat Table **Option**

(Only available for ø500 mm (ø19.68 in.) table)

- Extends Clamping Area for 3-Axis (Suited for conventional 3-Axis machining as well)
- Familiar 3-Axis Table Layout (New 5-Axis machine users)
- Increased Productivity (Multiple 3-Axis & 5-Axis setups)

		<b>MX-850</b>
Travel : X/Y/Z	mm (in.)	900 / 780 / 650 (35.43 / 30.70 / 25.59)
Travel : A/C	deg	-125 ~ +30 / 360
Working Surface	mm (in.)	ø500 (ø19.68) <b>Standard</b>
		ø500 (ø19.68)+Flat Table <b>Option</b>
		ø700 (ø27.55) <b>Option</b>
		ø630 (ø24.80) <b>PC4 Option</b>
Max.Work Size	mm (in.)	ø760 x H450 (ø29.92 x H17.71)
		ø850 x H450 (ø33.46 x H17.71) <b>With restrictions</b>
		ø850 x H385 (ø33.46 x H15.16) <b>PC4 Option</b>
Loading Capacity	kg (lb.)	500 (1,100)
		400 (880) <b>PC4 Option</b>
Spindle Speed	min <sup>-1</sup>	12,000 : BT40 <b>Standard</b>
		15,000 : BT40 <b>Option</b>
		20,000 : BT40 <b>Option</b>
Rapid Traverse : X/Y/Z	m/min (ipm)	40 (1,574.80)
Rapid Traverse : A/C	min <sup>-1</sup>	20 / 40
Number of Tools		60 : BT40 <b>Standard</b>
		90 / 120 : BT40 <b>Option</b>
Number of Pallets		Fixed Table <b>Standard</b>
		4 : Floor Pallet System <b>Option</b>
NC System / OS		<b>Matsuuura G-Tech 31i / MiOS 4</b>

## Every Size of 5-Axis Machine Tool to Suit Your Process & Business Requirements

	Max. Work Size : mm (in.)	Loading Capacity : kg (lb.)
<b>MAM72-35V</b> <b>PC32</b> 	 <p>No.1 ~ 25 : ø350 x H300(ø13.77 x H11.81) No.26 ~ 32 : ø350 x H315(ø13.77 x H12.40)</p>	<p><b>60</b> (132)</p> 
<b>MAM72-42V</b> <b>PC32</b> 	 <p>※ with restrictions</p>	<p><b>80</b> (176)</p> 
<b>MAM72-52V</b> <b>PC15</b> <b>New!</b> 		<p><b>300</b> (660)</p> 
<b>MAM72-70V</b> <b>New!</b> 		<p><b>500</b> (1,100)</p> 
<b>MAM72-100H</b> 	 <p>※ with restrictions</p>	<p><b>780</b> (1,719)</p> 

# MAM72-35V / 42V

The newest model of the **MAM72 Series** (since its debut in 1991)  
 Capable of variable part/variable production and extended unmanned operation



**PC32**



**PC32**

	<b>MAM72-35V</b>	<b>MAM72-42V</b>
Travel : X/Y/Z	mm (in.)	550 / 440 / 580 (21.65 / 17.32 / 22.83)
Travel : B/C	deg	-125 ~ +65 / 360
Working Surface	mm (in.)	ø130 (ø5.12)
Max.Work Size	mm (in.)	ø350 x H315 (ø13.77 x H12.40) / ø420 x H315 (ø16.53 x H12.40) <small>※with restrictions</small>
Loading Capacity	kg (lb.)	60 (132) / 80 (176)
Spindle Speed	min <sup>-1</sup>	12,000 : BT40 <input type="checkbox"/> Standard 15,000 / 20,000 : BT40 <input type="checkbox"/> Option
Rapid Traverse : X/Y/Z	m/min (ipm)	60 (2,362.2)
Rapid Traverse : B/C	min <sup>-1</sup>	50 / 100
Number of Tools		60 : BT40 <input type="checkbox"/> Standard 130 : BT40 <input type="checkbox"/> Standard 130 / 170 / 210 / 250 / 290 / 330 : BT40 <input type="checkbox"/> Option 370 / 410 / 450 / 490 / 530 : BT40 <input type="checkbox"/> Option
Number of Pallets		2 <input type="checkbox"/> Standard 32/40 : Tower Pallet System (1 Work Station) <input type="checkbox"/> Option
NC System / OS		<b>Matsura G-Tech 31 / MiOS 4</b>

# MAM72-52V

One machine; One solution  
 Matrix tool magazine, Tower pallet system and Chip removal system included as standard features



**New!**

**PC15**



<b>MAM72-52V</b>		
Travel : X/Y/Z	mm (in.)	1,010 / 540 / 610 (39.76 / 21.25 / 24.01)
Travel : B/C	deg	-125 ~ +30 / 360
Working Surface	mm (in.)	ø400 (ø15.74)
Max.Work Size	mm (in.)	ø520 x H400 (ø20.47 x H15.74)
Loading Capacity	kg (lb.)	300 (660)
Spindle Speed	min <sup>-1</sup>	15,000 : BT40 <input type="checkbox"/> Standard 12,000 : BT40 <input type="checkbox"/> Option 20,000 : BT40 <input type="checkbox"/> Option
Rapid Traverse : X/Y/Z	m/min (ipm)	60 (2,362.2)
Rapid Traverse : B/C	min <sup>-1</sup>	50 / 100
Number of Tools		130 : BT40 <input type="checkbox"/> Standard 170 / 210 / 250 / 290 / 330 : BT40 <input type="checkbox"/> Option 370 / 410 / 450 / 490 / 530 : BT40 <input type="checkbox"/> Option
Number of Pallets		15 : Tower Pallet System <input type="checkbox"/> Standard 1 <input type="checkbox"/> Option
NC System / OS		<b>Matsura G-Tech 31 / MiOS 4</b>



# MAM72-70V

Unrivalled Large Capacity Productivity,  
Enhanced Operability,  
Automated and Unmanned 5-Axis Production



**New!**



**New!**



**New!**



PC6

PC18

		<b>MAM72-70V</b>	
Travel : X/Y/Z	mm (in.)	1,200 / 720 / 710 (47.24 / 28.34 / 27.95)	
Travel : B/C	deg	-125 ~ +30 / 360	
Working Surface	mm (in.)	500 x 500 (19.69 x 19.69)	
Max.Work Size	mm (in.)	ø700 x H500 (ø27.56 x H19.68)	
Loading Capacity	kg (lb.)	500 (1,100)	
Spindle Speed	min <sup>-1</sup>	15,000 : BT40	Standard
		15,000 Power Up : BT40	Option
		20,000 : BT40	
Rapid Traverse : X/Y/Z	m/min (ipm)	60 (2,362.2)	
Rapid Traverse : B/C	min <sup>-1</sup>	50 / 100	
Number of Tools		90 : BT40	Standard
		130 / 170 / 210 / 250 / 290 / 330 : BT40	Option
		370 / 410 / 450 / 490 / 530 : BT40	
Number of Pallets		2	Standard
		6 : Floor Pallet System 18 : Tower Pallet System	Option
NC System / OS		Matsura G-Tech 31i / MiOS 4	

# MAM72-100H

Matsura's Largest 5-Axis Machining Center  
with ø1020mm Workpiece Size


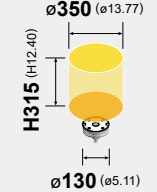


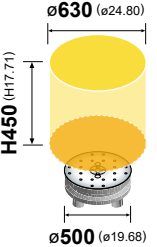



PC6



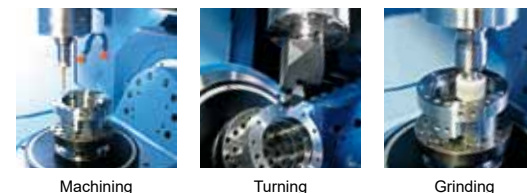
		<b>MAM72-100H</b>	
Travel : X/Y/Z	mm (in.)	1,050 / 920 / 960 (41.33 / 36.22 / 37.79)	
Travel : A/B	deg	-120 ~ +30 / 360	
Working Surface	mm (in.)	630 x 630 (24.80 x 24.80)	
Max.Work Size	mm (in.)	ø1,020 x H770 (ø40.15 x H30.31) ※ with restrictions	
Loading Capacity	kg (lb.)	780 (1,719)	
Spindle Speed	min <sup>-1</sup>	12,000 : BT50	Standard
		10,000 : BT50	Option
		15,000 : BT50	
Rapid Traverse : X/Y/Z	m/min (ipm)	60 / 60 / 50 (2,362.2 / 2,362.2 / 1,968.5)	
Rapid Traverse : A/B	min <sup>-1</sup>	50 / 75	
Number of Tools		60 : BT50	Standard
		120 : BT50	Option
		114 / 144 / 174 / 209 : BT50 120 / 150 / 180 / 210 / 245 : BT50	
Number of Pallets		2	Standard
		6 : Floor Pallet System	Option
NC System / OS		Matsura G-Tech 31i / MiOS 3	

**Process Integration : Machining + Turning + Grinding** Option  
**5-Axis Multi Tasking Machine Tool to Suit Your Process & Business Requirements**

	Max. Work Size : mm (in.)	Loading Capacity : kg (lb.)
<p><b>CUBLEX-35</b> <span style="background-color: black; color: white; padding: 2px;">PC32</span></p> 	 <p>No.1 ~ 25: <math>\phi 350 \times H300</math> (<math>\phi 13.77 \times H11.81</math>)                  No.26 ~ 32: <math>\phi 350 \times H315</math> (<math>\phi 13.77 \times H12.40</math>)</p>	<p><b>60</b> (132)</p> 
<p><b>CUBLEX-63</b> <span style="background-color: black; color: white; padding: 2px;">PC2</span></p> 		<p><b>350</b> (770)</p> 

# CUBLEX-35

Ultimate Level of Process Integration  
 from Turning, Machining and Grinding by one chucking.



		<b>CUBLEX-35</b>	
Travel : X/Y/Z	mm (in.)	550 / 440 / 580 (21.65 / 17.32 / 22.83)	
Travel : B/C	deg	-125 ~ +65 / 360	
Working Surface	mm (in.)	$\phi 130$ ( $\phi 5.11$ )	
Max.Work Size	mm (in.)	$\phi 350 \times H315$ ( $\phi 13.77 \times H12.40$ )	
Loading Capacity	kg (lb.)	60 (132)	
Spindle Speed	min <sup>-1</sup>	12,000 : HSK-A63W (ICTM)	<span style="border: 1px solid black; padding: 2px;">Standard</span>
		15,000 / 20,000 : HSK-A63W (ICTM)	<span style="background-color: black; color: white; padding: 2px;">Option</span>
Rapid Traverse : X/Y/Z	m/min (ipm)	60 (2,362.2)	
Rapid Traverse : B	min <sup>-1</sup>	50	
Rapid Traverse : C	min <sup>-1</sup>	200 Machining Mode	
		3,000 Turning / Grinding	<span style="background-color: black; color: white; padding: 2px;">Option</span> Mode
Number of Tools		60 : HSK-A63W (ICTM)	<span style="border: 1px solid black; padding: 2px;">Standard</span>
		130 / 170 / 210 / 250 / 290 / 330 : HSK-A63W (ICTM)	<span style="background-color: black; color: white; padding: 2px;">Option</span>
		370 / 410 / 450 / 490 / 530 : HSK-A63W (ICTM)	
Number of Pallets		2	<span style="border: 1px solid black; padding: 2px;">Standard</span>
		32 / 40 / 49 / 60 : Tower Pallet System (1 Work Station) 38 / 47 : Tower Pallet System (Twin Work Stations)	<span style="background-color: black; color: white; padding: 2px;">Option</span>
NC System / OS		<span style="background-color: blue; color: white; padding: 2px;">Mitsubishi G-Tech 31i</span> / <span style="background-color: green; color: white; padding: 2px;">MIOS 3</span>	

# CUBLEX-63

Max. work size of ø630 x H450mm  
(ø24.80 x H17.71 in.)



**PC2**



**PC18**

		<b>CUBLEX-63</b>	
Travel : X/Y/Z	mm (in.)	760 / 845 / 660 (29.92 / 33.26 / 25.98)	
Travel : A/C	deg	-120 ~ +30 / 360	
Working Surface	mm (in.)	ø500 (ø19.68)	
Max.Work Size	mm (in.)	ø630 x H450 (ø24.80 x H17.71)	
Loading Capacity	kg (lb.)	350 (770)	
Spindle Speed	min <sup>-1</sup>	12,000 : HSK-A63W (ICTM)	<b>Standard</b>
		20,000 : HSK-A63W (ICTM)	<b>Option</b>
Rapid Traverse : X/Y/Z	m/min (ipm)	60 (2,362.2)	
Rapid Traverse : A	min <sup>-1</sup>	25	
Rapid Traverse : C	min <sup>-1</sup>	200 Machining Mode	
		1,300 Turning / Grinding <b>Option</b> Mode	
Number of Tools		51 : HSK-A63W (ICTM)	<b>Standard</b>
		120 / 150 / 180 / 210 / 240 : HSK-A63W (ICTM)	<b>Option</b>
		120 / 160 / 200 / 240 / 280 / 320 : HSK-A63W (ICTM)	
		360 / 400 / 440 / 480 / 520 : HSK-A63W (ICTM)	
Number of Pallets		2	<b>Standard</b>
		6 : Floor Pallet System 18 : Tower Pallet System	<b>Option</b>
NC System		<b>Matsura G-Tech 30i</b>	

## Overwhelming strength in machining speed and accuracy Distinctive linear motor machine series

	Max. Work Size : mm (in.)	Loading Capacity : kg (lb.)
<p><b>LX-160</b></p>	<p>※ Without pallet changer, Bullet shape</p>	<p>20</p>
<p><b>LM-500</b></p>		<p>100</p>
<p><b>LF-160</b></p>	<p>※ Without pallet changer, Bullet shape</p>	<p>20</p>
<p><b>LV-500</b></p>		<p>100</p>

## High Grade Linear Motor Machines **Linear Motor Series**

Dedicated to the high-speed, high-accuracy market — with a focus on small workpiece

### LX-160



### LM-500



※ Equipped with 50-tool magazine and pallet changer "PC2"



### LX-160 LF-160

DD Motors

Working Surface  
 ø100 mm [Standard]  
 (ø3.93 in.)  
 ø112 mm **with PC**  
 (ø4.40 in.)



### LM-500 LV-500

Working Surface  
 540 x 350 mm  
 (21.25 x 13.77 in.)

Automation options for variable part, variable volume production and prolonged unmanned operation



Linear Pallet System



Matrix Tool Magazine

## High Precision Linear Motor Machines **Linear Motor Series**

Shorten mold polishing process: Surface Roughness Ra0.1µm in high speed machining

### LF-160




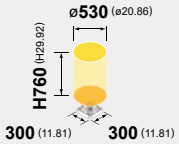


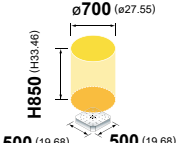


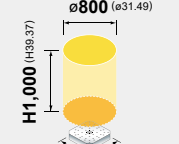
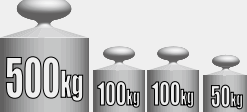

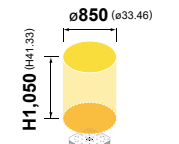


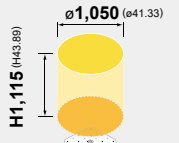
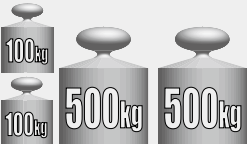
### LV-500



※ Equipped with 50-tool magazine and pallet changer "PC2"

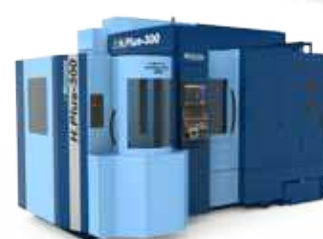
		<b>LX-160</b>	<b>LF-160</b>	<b>LM-500</b>	<b>LV-500</b>
Travel : X/Y/Z	mm (in.)	500 / 250 / 300 (19.68 / 9.84 / 11.81)		500 / 350 / 300 (19.68 / 13.77 / 11.81)	
Travel : B/C	deg	-125 ~ +125 / 360			
Working Surface	mm (in.)	ø100 (ø3.93) [Standard] ø112 (ø4.40) <b>with PC</b>		540 x 350 (21.25 x 13.77)	
Max. Work Size	mm (in.)	ø160 x H230 (ø6.29 x H9.05) Bullet shape ø160 x H200 (ø6.29 x H7.87) <b>with PC</b>			
Loading Capacity	kg (lb.)	20 (44)			100 (220)
Spindle		low vibration	Ultra low vibration	low vibration	Ultra low vibration
Spindle Speed	min <sup>-1</sup>	46,000 : BT30 [Standard] 46,000 : HSK-E40 <b>Option</b>			
Rapid Traverse : X/Y/Z	m/min (ipm)	90 (3,543.3)			
Rapid Traverse : B/C	min <sup>-1</sup>	100 / 200			
Number of Tools		10 : BT30 [Standard] 30 / 50 : BT30 128 / 188 / 248 / 308 / 338 : BT30 10 : HSK-E40 <b>Option</b> 30 / 50 : HSK-E40 128 / 188 / 248 / 308 / 338 : HSK-E40			
Number of Pallets		Fixed Table [Standard] 2 42 : Linear Pallet System <b>Option</b> 91 : Linear Pallet System		Fixed Table	
NC System / OS		<b>Mitsuba L-Tech 31i / MiOS 3</b>			

### Every Size of Horizontal Machine Tool to Suit Your Process & Business Requirments

	Max. Work Size : mm (in.)	Loading Capacity : kg (lb.)
<b>H.Plus-300</b> 	 <p>400 x 400mm (15.74 x 15.74 in.) pallet is available as option.</p>	<b>250 (550)</b> 
<b>H.Plus-405</b> 		<b>400 (880)</b> 
<b>H.Plus-504</b> 		<b>750 (1,650)</b> 
<b>H.Plus-500</b> 		<b>750 (1,650)</b> 
<b>H.Plus-630</b> 	 <p>800 x 800mm (31.49 x 31.49 in.) pallet is available as option.</p>	<b>1,200 (2,640)</b> 

## H.Plus-300

High Rigidity, High Speed, Compact



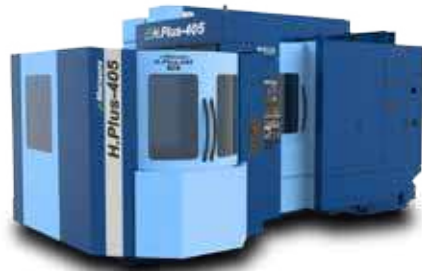
**PC5**

**PC15**

		<b>H.Plus-300</b>	
Travel : X/Y/Z	mm (in.)	500 / 560 / 500 (19.68 / 22.04 / 19.68)	
Working Surface	mm (in.)	300 x 300 (11.81 x 11.81)	
Max. Work Size	mm (in.)	ø530 x H760 (ø20.86 x H29.92)   Standard <b>PC5</b> <b>PC15</b>	
Loading Capacity	kg (lb.)	250 (550)	
Spindle Speed	min <sup>-1</sup>	15,000 : BT40   Standard	
		20,000 : BT40   <b>Option</b>	
		30,000 : BT40   <b>Option</b>	
Rapid Traverse : X/Y/Z	m/min (ipm)	60 (2,362.2)	
Number of Tools		60 : BT40   Standard	
		71 : BT40   <b>Option</b>	
		130 / 170 / 210 / 250 / 290 / 330 : BT40   <b>Option</b>	
Number of Pallets		2   Standard	
		5 : Floor Pallet System   <b>Option</b>	
NC System / OS		15 : Tower Pallet System   <b>Option</b>	
		Matsura G-Tech 31i / MiOS 3	

# H.Plus-405

After earning a formidable global reputation as a consummate & reliable production machine tool in a vast spectrum of precision industries, Matsuura are proud to introduce the second generation of **H.Plus-405** horizontal machine tools. Offering increased X / Y / Z axis strokes & Matsuura's new internal splash guard design, this new **H.Plus-405** will retain & expand upon the superb reputation of its predecessor.



**PC6**

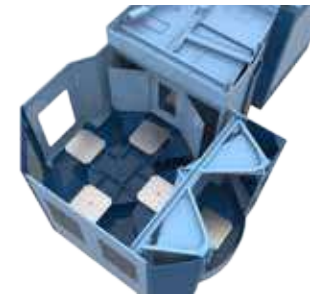


**PC12**

		<b>H.Plus-405</b>	
Travel : X/Y/Z	mm (in.)	660 / 660 / 660 (25.98 / 25.98 / 25.98)	
Working Surface	mm (in.)	500 x 500 (19.68 x 19.68)	
Max.Work Size	mm (in.)	ø700 x H850 (ø27.55 x H33.46)	
Loading Capacity	kg (lb.)	400 (880)	
Spindle Speed	min <sup>-1</sup>	12,000 : BT40	<input type="checkbox"/> Standard
		20,000 : BT40	<input checked="" type="checkbox"/> Option
		30,000 : BT40	
Rapid Traverse : X/Y/Z	m/min (ipm)	60 (2,362.2)	
Number of Tools		60 : BT40	<input type="checkbox"/> Standard
		71 : BT40	<input checked="" type="checkbox"/> Option
		130 / 170 / 210 / 250 / 290 / 330 : BT40 370 / 410 / 450 / 490 / 530 : BT40	
Number of Pallets		2	<input type="checkbox"/> Standard
		6 : Floor Pallet System 12 : Tower Pallet System	<input checked="" type="checkbox"/> Option
NC System / OS		<b>Matsuura G-Tech 31i / MIOS 3</b>	

# H.Plus-504

Versatile by design; a machine for all duties-from one off prototypes to fully automated production

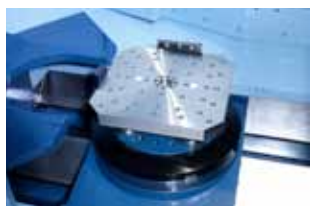


**PC6**

		<b>H.Plus-504</b>	
Travel : X/Y/Z	mm (in.)	730 / 730 / 800 (28.74 / 28.74 / 31.49)	
Working Surface	mm (in.)	500 x 500 (19.68 x 19.68)	
Max.Work Size	mm (in.)	ø800 x H1,000 (ø31.49 x H39.37)	
Loading Capacity	kg (lb.)	750 (1,650)	
Spindle Speed	min <sup>-1</sup>	12,000 : BT40	<input type="checkbox"/> Standard
		15,000 : BT40	<input checked="" type="checkbox"/> Option
		20,000 : BT40	
Rapid Traverse : X/Y/Z	m/min (ipm)	60 (2,362.2)	
Number of Tools		60 : BT40	<input type="checkbox"/> Standard
		61 : BT40	<input checked="" type="checkbox"/> Option
		130 / 170 / 210 / 250 / 290 / 330 : BT40 370 / 410 / 450 / 490 / 530 : BT40	
Number of Pallets		2	<input type="checkbox"/> Standard
		6 : Floor Pallet System	<input checked="" type="checkbox"/> Option
NC System / OS		<b>Matsuura G-Tech 31i / MIOS 3</b>	

# H.Plus-500

Full Model Change of Existing Model,  
Greatly Enhancing Capabilities



500 x 500 Pallet

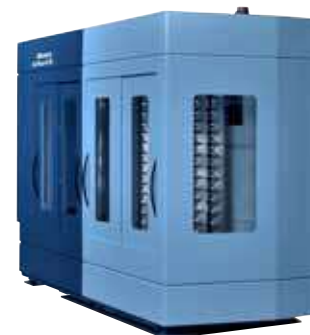
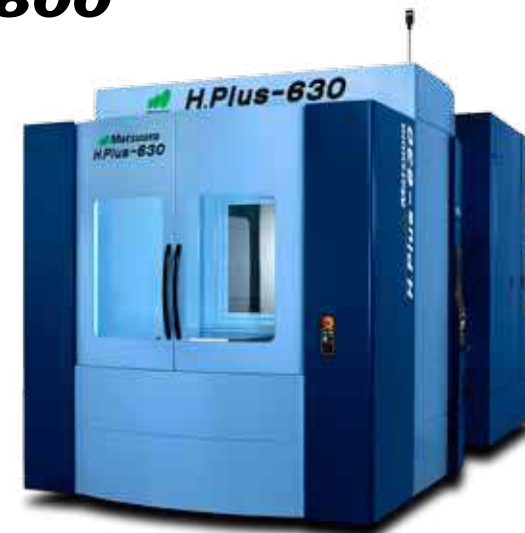


PC6

		<b>H.Plus-500</b>	
Travel : X/Y/Z	mm (in.)	800 / 800 / 800 (31.49 / 31.49 / 31.49)	
Working Surface	mm (in.)	500 x 500 (19.68 x 19.68)	
Max.Work Size	mm (in.)	ø850 x H1,050 (ø33.46 x H41.33)	
Loading Capacity	kg (lb.)	750 (1,650)	
Spindle Speed	min <sup>-1</sup>	12,000 : BT50	Standard
		15,000 : BT50	Option
Rapid Traverse : X/Y/Z	m/min (ipm)	60 (2,362.2)	
Number of Tools		60 : BT50	Standard
		61 : BT50	Option
	114 / 144 / 174 / 209 : BT50		
	120 / 150 / 180 / 210 / 245 : BT50		
Number of Pallets		2	Standard
		6 : Floor Pallet System	Option
NC System / OS		Matsura G-Tech 31i / MIOS 2	

# H.Plus-630 / 800

Possessing a Matsuura designed & built high speed, heavy duty BT50 spindle, the **H.Plus-630** can effortlessly work a wide range of materials. As with all other models in the **H.Plus Series**, tool & pallet storage options can be easily expanded upon. These options can be retrofitted in the field, with minimum machine downtime.



\* 245-tool Matrix Magazine

		<b>H.Plus-630</b>		<b>H.Plus-800</b>	
Travel : X/Y/Z	mm (in.)	1,050 / 920 / 990 (41.33 / 36.22 / 38.97)			
Working Surface	mm (in.)	630 x 630 (24.80 x 24.80)		800 x 800 (31.49 x 31.49)	
Max.Work Size	mm (in.)	ø1,050 x H1,115 (ø41.33 x H43.89)			
Loading Capacity	kg (lb.)	1,200 (2,640)		1,100 (2,420)	
Spindle Speed	min <sup>-1</sup>	12,000 : BT50	Standard		
		10,000 : BT50	Option		
		15,000 : BT50	Option		
Rapid Traverse : X/Y/Z	m/min (ipm)	60 (2,362.2)			
Rapid Traverse : B	min <sup>-1</sup>	75			
Number of Tools		60 : BT50	Standard		
		120 : BT50	Option		
		114 / 144 / 174 / 209 : BT50	Option		
		120 / 150 / 180 / 210 / 245 : BT50			
Number of Pallets		2	Standard		
		6 : Floor Pallet System	Option		
NC System / OS		Matsura G-Tech 31i / MIOS 3			

# VX-660

New Generation  
Vertical 3AX Machining Center



MAXIA Spindle



Excellent Swarf Management

		<b>VX-660</b>	
Travel : X/Y/Z	mm (in.)	660 / 550 / 560 (25.98 / 21.65 / 22.04)	
Table Size	mm (in.)	940 x 550 (37.00 / 21.65)	
Loading Capacity	kg (lb.)	500 (1,100)	
Spindle Speed	min <sup>-1</sup>	15,000 : BT40	Standard
		20,000 : BT40	Option
Rapid Traverse : X/Y/Z	m/min (ipm)	48 (1,889.7)	
Number of Tools		30 : BT40	Standard
		48 : BT40	Option
		60 : BT40	
NC System / OS		Matsuura G-Tech 31i / MiOS 1	

# VX-1000

Introducing the Matsuura  
**VX Series:** Cost Effective  
Heavy Duty Performance



Standard features : Spindle through coolant and lift up conveyor.



Coolant-through mechanism



Lift-up conveyor

		<b>VX-1000</b>	
Travel : X/Y/Z	mm (in.)	1,020 / 610 / 610 (40.15 / 24.01 / 24.01)	
Table Size	mm (in.)	1,200 x 600 (47.24 / 23.62)	
Loading Capacity	kg (lb.)	500 (1,100)	
Spindle Speed	min <sup>-1</sup>	15,000 : BT40	Standard
		20,000 : BT40	Option
Rapid Traverse : X/Y/Z	m/min (ipm)	40 / 40 / 36 (1,574.8 / 1,574.8 / 1,417.32)	
Number of Tools		30 : BT40	Standard
		48 : BT40	Option
		60 : BT40	
NC System / OS		Matsuura G-Tech 31i / MiOS 1	



# VX-1500

Introducing the **VX-1500**.  
Robust and heavy duty performance  
from the pioneers of vertical machining



#50 Spindle **Option**



\* Equipped with lift-up conveyor (drum filter)

Standard features : Spindle through coolant and lift-up conveyor.



Coolant-through mechanism



Lift-up conveyor

		<b>VX-1500</b>	
Travel : X/Y/Z	mm (in.)	1,524 / 700 / 610 (60.00 / 27.55 / 24.01)	
Table Size	mm (in.)	1,700 x 700 (66.92 / 27.55)	
Loading Capacity	kg (lb.)	2,000 (4,400)	
Spindle Speed	min <sup>-1</sup>	15,000 : BT40	<b>Standard</b>
		15,000 : BT50	<b>Option</b>
Rapid Traverse : X/Y/Z	m/min (ipm)	36 (1,417.32)	
Number of Tools		48 : BT40	<b>Standard</b>
		60 : BT40	<b>Option</b>
		30 : BT50	
NC System / OS		<b>Matsura G-Tech 31i / MiOS 1</b>	

# V.Plus-550

From the pioneers of the  
Vertical Machining Center,  
Matsuura introduce our latest;  
the all New **V.Plus-550**



		<b>V.Plus-550</b>	
Travel : X/Y/Z	mm (in.)	550 / 410 / 560 (21.65 / 16.14 / 22.04)	
Table Size	mm (in.)	860 x 400 (33.85 x 15.74)	
Loading Capacity	kg (lb.)	400 (880)	
Spindle Speed	min <sup>-1</sup>	15,000 : BT40	<b>Standard</b>
		15,000 Power UP : BT40	<b>Option</b>
		20,000 : BT40	
Rapid Traverse : X/Y/Z	m/min (ipm)	40 (1,574.8)	
Number of Tools		30 : BT40	<b>Standard</b>
		60 : BT40	<b>Option</b>
		90 : BT40	
NC System / OS		<b>Matsura G-Tech 31i / MiOS 3</b>	

# V.Plus-800

Highly Rigid Construction,  
Ultra Precision Assembly



		<b>V.Plus-800</b>	
Travel : X/Y/Z	mm (in.)	800 / 550 / 500 (31.49 / 21.65 / 19.68)	
Table Size	mm (in.)	1,150 x 550 (45.27 x 21.65)	
Loading Capacity	kg (lb.)	500 (1,100)	
Spindle Speed	min <sup>-1</sup>	12,000 : BT40	Standard
		20,000 : BT40	Option
		30,000 : BT40	
Rapid Traverse : X/Y/Z	m/min (ipm)	50 / 50 / 30 (1,968.5 / 1,968.5 / 1,181.1)	
Number of Tools		30 : BT40	Standard
		40 : BT40	Option
		80 : BT40	
NC System		Matsura G-Tech 30i	

# LUMEX Avance-25

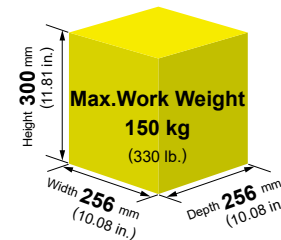
5th Generation

## High-Speed

- Expansion of sintering capacity per unit time
- Milling time reduction

## Automation

- APR System **Option**  
(Automatic Powder Recovery System)



Water Proof Connector



Jet Engine Nozzle

		<b>LUMEX Avance-25</b>	
Travel : X/Y/Z	mm (in.)	260 / 260 / 100 (10.23 / 10.23 / 3.93)	
Travel : U/W	mm (in.)	300 / 522 (11.81 / 20.55)	
Max. Work Size	mm (in.)	W256 x D256 x H300 (W10.08 x D10.08 x H11.81)	
Loading Capacity	kg (lb.)	150 (330)	
Spindle Speed	min <sup>-1</sup>	45,000	
Rapid Traverse : X/Y/Z	m/min (ipm)	60 / 60 / 30 (2,362.20 / 2,362.20 / 1,181.10)	
Laser Type		Yb Fiber Laser	
Laser Power	w	500	Standard
		1,000	Option
Number of Tools		20	
NC System		Matsura I-Tech Avance	

## Option

- APR System (Automatic Powder Recovery System)  
Equipment for Aluminum Powder



### Enlargement

Applicable on the Large Work Envelop

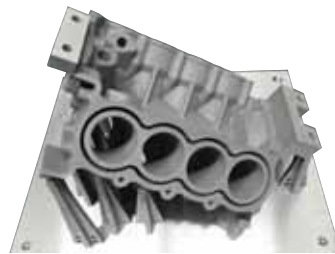
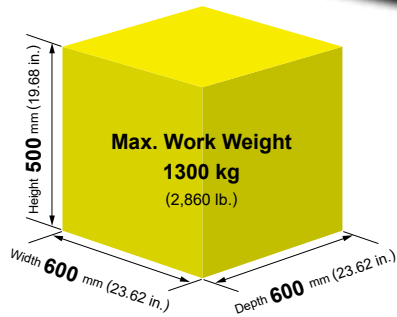
### High-Speed

Increased Speed

### Automation

APR System  Standard

(Automatic Powder Recovery System)



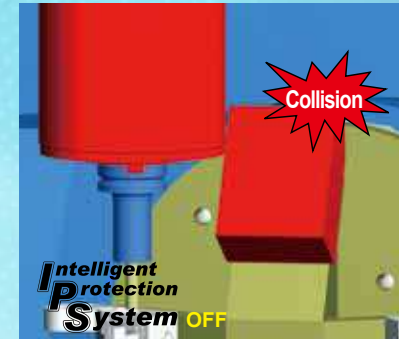
V8 Engine Block

<b>LUMEX Avance-60</b>		
Travel : X/Y/Z	mm (in.)	610 / 610 / 100 (24.01 / 24.01 / 3.93)
Travel : U/W	mm (in.)	500 / 990 (19.68 / 38.97)
Max. Work Size	mm (in.)	W600 x D600 x H500 (W23.62 x D23.62 x H19.68)
Loading Capacity	kg (lb.)	1,300 (2,860)
Spindle Speed	min <sup>-1</sup>	45,000
Rapid Traverse : X/Y/Z	m/min (ipm)	60 / 60 / 30 (2,362.20 / 2,362.20 / 1,181.10)
Laser Type		Yb Fiber Laser
Laser Power	w	1,000 <input type="checkbox"/> Standard 500 <input type="checkbox"/> Option
Number of Tools		20
NC System		<b>Matsuura I-Tech Avance</b>

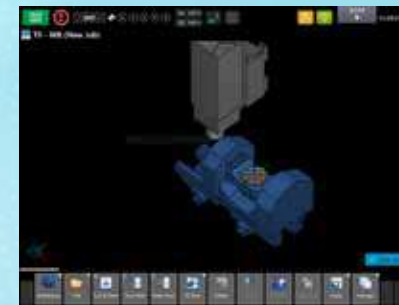
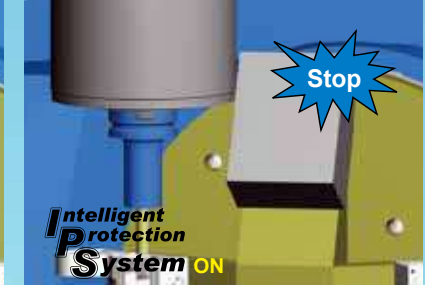


## Intelligent Protection System

Matsuura original design collision prevention function supports fully automated and reliable 5-axis machining



Manual / automatic operation supported  
Simultaneous 5-axis machining supported



Installed as standard on the NC screen

- ※With Intelligent Protection System, interference check is available during cutting simulation.
- ※**Intelligent Protection System** simulates your programmed component alerting the user to any interference or collision before any actual machining.
- ※Requires end user PC - consult Matsuura for full specifications.



## Operation Status Monitoring Function

Machine availability and performance can be monitored to improve process planning.  
Performance is monitored to check OEE.  
\*Overall Equipment Efficiency (OEE) = availability × performance × quality



Overall operation ratio display



Operational state display

	Travel : X/Y/Z		Working Surface		Loading Capacity		Spindle Speed	Spindle Motor Power & Torque			Rapid Traverse : X/Y/Z		Number of Tools
	mm	inch	mm	inch	kg	pound	min <sup>-1</sup>	kw	HP	N·m	m/min	ipm	
<b>MX-330</b>	435 / 465 / 560	17.13/18.31/22.05	∅250	∅9.84	80	176	BT40: 15,000	5.5 / 7.5	10	65.1	40	1,574.8	30
<b>MX-420</b>	435 / 465 / 560	17.13/18.31/22.05	∅130	∅5.12	80	176	BT40: 15,000	5.5 / 7.5	10	65.1	40	1,574.8	30
<b>MX-520 New!</b>	630 / 560 / 510	24.80/22.04/20.07	∅300	∅11.81	200	440	BT40: 12,000	11 / 11	15	159	40	1,574.8	60
<b>MX850 New!</b>	900 / 780 / 650	35.43/30.70/25.59	∅500	∅19.68	500	1,100	BT40: 12,000	18.5 / 22	30	191	40	1,574.8	60
<b>MAM72-35V</b>	550 / 440 / 580	21.65/17.32/22.83	∅130	∅5.12	60	132	BT40: 12,000	18.5 / 22	30	191	60	2,362.2	60
<b>MAM72-42V</b>	550 / 440 / 580	21.65/17.32/22.83	∅130	∅5.12	80	176	BT40: 12,000	18.5 / 22	30	191	60	2,362.2	130
<b>MAM72-52V New!</b>	1,010 / 540 / 610	39.76/21.25/24.01	∅400	∅15.75	300	660	BT40: 15,000	15 / 22	30	150	60	2,362.2	130
<b>MAM72-70V New!</b>	1,200 / 720 / 710	47.24/28.34/27.95	500 x 500	19.69 x 19.69	500	1,100	BT40: 15,000	15 / 22	30	150	60	2,362.2	90
<b>MAM72-100H</b>	1,050 / 920 / 960	41.33/36.22/37.79	630 x 630	24.80 x 24.80	780	1,719	BT50: 12,000	26 / 30	40	451	60 / 60 / 50	2,362.2/2,362.2/1,968.5	60
<b>CUBLEX-35</b>	550 / 440 / 580	21.65/17.32/22.83	∅130	∅5.12	60	132	HSK-A63W (ICTM): 12,000	7.5 / 11	15	167	60	2,362.2	60
<b>CUBLEX-63</b>	760 / 845 / 660	29.92/33.26/25.98	∅500	∅19.68	350	770	HSK-A63W (ICTM): 12,000	15 / 22	30	187	60	2,362.2	51
<b>LX-160</b>	500 / 250 / 300	19.68/9.84/11.81	∅100	∅3.93	20	44	BT30: 46,000	7.5 / 15	20	8.68	90	3,543.3	10
<b>LM-500</b>	500 / 350 / 300	19.68/13.77/11.81	540 x 350	21.25 x 13.77	100	220	BT30: 46,000	7.5 / 15	20	8.68	90	3,543.3	10
<b>LF-160</b>	500 / 250 / 300	19.68/9.84/11.81	∅100	∅3.93	20	44	BT30: 46,000	7.5 / 15	20	8.68	90	3,543.3	10
<b>LV-500</b>	500 / 350 / 300	19.68/13.77/11.81	540 x 350	21.25 x 13.77	100	220	BT30: 46,000	7.5 / 15	20	8.68	90	3,543.3	10
<b>H.Plus-300</b>	500 / 560 / 500	19.68/22.04/19.68	300 x 300	11.81 x 11.81	250	550	BT40: 15,000	7.5 / 15	20	120	60	2,362.2	60
<b>H.Plus-405</b>	660 / 660 / 660	25.98/25.98/25.98	500 x 500	19.68 x 19.68	400	880	BT40: 12,000	15 / 22	30	187.3	60	2,362.2	60
<b>H.Plus-504</b>	730 / 730 / 800	28.74/28.74/31.49	500 x 500	19.68 x 19.68	750	1,650	BT40: 12,000	15 / 22	30	187.3	60	2,362.2	60
<b>H.Plus-500</b>	800 / 800 / 800	31.49/31.49/31.49	500 x 500	19.68 x 19.68	750	1,650	BT50: 12,000	26 / 30	40	451	60	2,362.2	60
<b>H.Plus-630</b>	1,050 / 920 / 990	41.33/36.22/34.25	630 x 630	24.80 x 24.80	1,200	2,640	BT50: 12,000	26 / 30	40	451	60	2,362.2	60
<b>H.Plus-800</b>	1,050 / 920 / 990	41.33/40.15/34.25	800 x 800	31.49 x 31.49	1,100	2,420	BT50: 12,000	26 / 30	40	451	60	2,362.2	60
<b>VX-660</b>	660 / 550 / 560	25.98/21.65/22.04	940 x 550	37.00 x 21.65	500	1,100	BT40: 15,000	15 / 22	30	150	48	1,889.7	30
<b>VX-1000</b>	1,020 / 610 / 610	40.15/24.01/24.01	1,200 x 600	47.24 x 23.62	500	1,100	BT40: 15,000	15 / 22	30	150	40 / 40 / 36	1,574.8/1,574.8/1,417.32	30
<b>VX-1500</b>	1,524 / 700 / 610	60.00/27.55/24.01	1,700 x 700	66.92 x 27.55	2,000	4,400	BT40: 15,000	26 / 30	40	350	36	1,417.32	48
<b>V.Plus-550</b>	550 / 410 / 560	21.65/16.14/22.04	860 x 400	33.85 x 15.74	400	880	BT40: 15,000	5.5 / 7.5	10	65.1	40	1,574.8	30
<b>V.Plus-800</b>	800 / 550 / 500	31.49/21.65/19.68	1,150 x 550	45.27 x 21.65	500	1,100	BT40: 12,000	18.5 / 22	30	187	50 / 50 / 30	1,968.5/1,968.5/1,181.1	30

# Matsuura World Wide Sales and Service Network

Matsuura's first steps into the world market began in 1975, when our groundbreaking vertical the **MC-1000V** was launched in the U.S.A. Based on this products success, we have extended our exporting activities to Europe and Asia-Oceania and now cover 41 countries with more than 24,000 machine installations in the world.

Working with our distribution partners including Matsuura affiliates, we can offer a full array of assistance to our customers from pre/after sales support to training and applications engineering solutions.

The headquarters and main production facilities of Matsuura Machinery Corporation are located in Fukui City, approx. 500 km west of Tokyo on the coast of the Sea of Japan, with an additional production plant in near by Echizen City. The group companies consists of five subsidiaries located in Germany (Matsuura Europe GmbH), the U.K. (Matsuura Machinery Ltd), Canada (Elliott-Matsuura Canada Inc.), Taiwan (Matsuura Machinery Taiwan Co.,Ltd) and the U.S.A. (Matsuura Machinery USA Inc.). Total 670 people are employed in Matsuura & its group companies.

In 2011, Matsuura has opened a representative office (日本株式会社松浦機械製作所上海代表処) in Shanghai.



Japan

Matsuura Machinery Corporation (Fukui)



Japan

TAKEFU Factory (Echizen)



Shanghai representative office



Germany

Matsuura Europe GmbH(Wiesbaden-Delkenheim)



U.K.

Matsuura Machinery Ltd. (Coalville, Leicestershire)



Canada

Elliott Matsuura CANADA Inc. (Oakville, Ontario)



U.S.A.

Matsuura Machinery USA Inc. (St. Paul)



Taiwan

Matsuura Machinery Taiwan Co.,Ltd (台中市大甲區)

