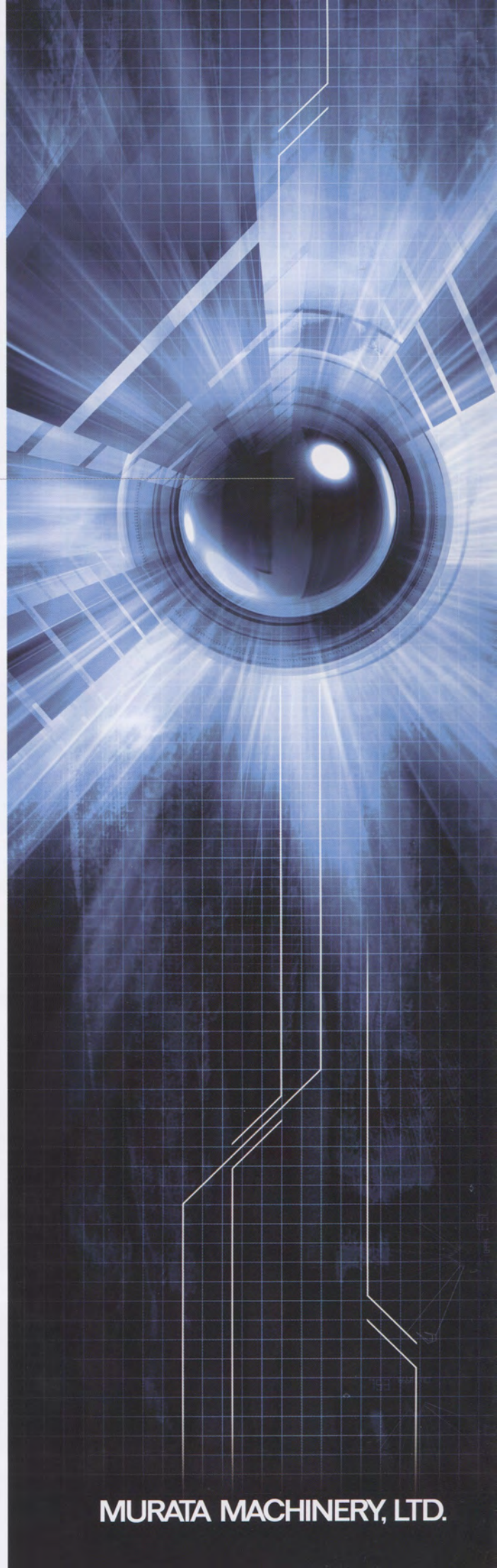


General Catalogue of

**CNC Turning
Machine**

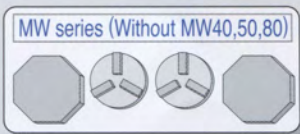
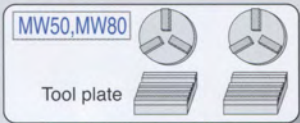


Twin Spindle CNC Chucker

MW Series

This series is highly efficient since two-sided machining is possible with just a single machine.

This series accommodates an automated line construction when combined with a gantry loader.



Turret Station



Tool Plate

Machines in these photos are single loader type.

Chuck size 6", 8"
Turret Station 8 x 2

MW120

MW120	
Chuck Size	6", 8"
Number of Turret Stations	STD : Turret Station 8 x 2 OP : Turret Station 12 x 2
Maximum Spindle Speed	3,000 rpm, 4,500 rpm 6,000 rpm
Spindle AC Motor	STD : 7.5 kW / 30 min x 2 OP : 11 kW / 30 min x 2
Footprint	W1,900 mm x D1,810 mm
Gross Weight (with loader and tool)	4,400 kg



Chuck size 4", 5"
Turret Station x2

MW40



Chuck size 6"
Tool Plate x 2

MW50



Chuck size 6"
Tool Plate x 2

MW80



Chuck size 6"
Turret Station 8 x 2

MW100



Chuck size 10"
Turret Station 10 x 2

MW200



Chuck size 15"
Turret Station 8 x 2

MW400



	MW40	MW50	MW80	MW100	MW200	MW400
Chuck Size	4", 5"	6"	6"	6"	10"	15"
Number of Turret Stations	Turret Station 10 x 2	Tool Plate x 2	Tool Plate x 2	Turret Station 8 x 2	STD : Turret Station 10 x 2 OP : Turret Station 12 x 2	STD : Turret Station 8 x 2 OP : Turret Station 12 x 2
Maximum Spindle Speed	STD : 8,000 rpm OP : 10,000 rpm	STD : 5,000 rpm OP : 6,000 rpm	STD : 5,000 rpm OP : 6,000 rpm	3,000 rpm, 4,500 rpm 6,000 rpm	2,400 rpm, 3,500 rpm	STD : 3,000 rpm OP : 3,500 rpm
Spindle AC Motor	3.7 kW / 30 min x 2	STD : 5.5 kW / 30 min x 2 OP : 7.5 kW / 30 min x 2	7.5 kW / 30 min x 2	5.5 kW / 30 min x 2	STD : 15 kW / 30 min x 2 OP : 22 kW / 30 min x 2	STD : 22 kW / 30 min x 2 OP : 30 kW / 30 min x 2
Footprint	W1,590 mm x D1,950 mm	W1,220 mm x D1,985 mm	W1,680 mm x D1,970 mm	W1,550 mm x D1,650 mm	W2,360 mm x D2,130 mm	W2,910 mm x D2,400 mm
Gross Weight (with loader and tool)	3,100 kg	3,400 kg	4,000 kg	3,500 kg	7,200 kg	13,200 kg

STD : Standard OP : Option

Single Spindle CNC Chucker

MS Series

This series provides a cost effective solution for odd numbered operations.

This series is the same construction and operation as the MW series.



Machines in these photos are single loader type.

Chuck size 6"
Turret Station 8
MS50



Chuck size 10"
Turret Station 10
MS100



Chuck size 6", 8"
Turret Station 8
MS60



	MS50	MS60	MS100
Chuck Size	6"	6", 8"	10"
Number of Turret Stations	Turret Station 8	STD : Turret Station 8 OP : Turret Station 12	STD : Turret Station 10 OP : Turret Station 12
Maximum Spindle Speed	3,000 rpm, 4,500 rpm, 6,000 rpm	3,000 rpm, 4,500 rpm, 6,000 rpm	2,400 rpm, 3,500 rpm
Spindle AC Motor	5.5 kW / 30min	STD : 7.5 kW / 30 min OP : 11 kW / 30 min	STD : 15 kW / 30 min OP : 22 kW / 30 min
Footprint	W980 mm x D1,650 mm	W1,080 mm x D1,810 mm	W1,320 mm x D2,130 mm
Gross Weight (with loader and tool)	2,200 kg	2,500 kg	4,000 kg

CNC Turning Center

MD Series

This series is perfect for multi-process integration at the time of mass production machining.

This series accommodates an automated line construction when combined with a gantry loader.

MD60/MD100



MD120/MD200



Machines in these photos are single loader type.

Chuck size 6", 8"
Turret Station 10
MD60



Chuck size 6", 8"
Turret Station 10 x 2
MD120



Chuck size 10"
Turret Station 10
MD100



Chuck size 10"
Turret Station 10 x 2
MD200



	MD60	MD100	MD120	MD200
Chuck Size	6", 8"	10"	6", 8"	10"
Number of Turret Stations	Turret Station 10	Turret Station 10	Turret Station 10 x 2	Turret Station 10 x 2
Maximum Spindle Speed	3,000 rpm, 4,500 rpm, 6,000 rpm	2,000 rpm	3,000 rpm, 4,500 rpm, 6,000 rpm	2,000 rpm
Spindle AC Motor	STD : 7.5 kW / 30 min OP : 11 kW / 30 min	STD : 11 kW / 30 min OP : 22 kW / 30 min	STD : 7.5 kW / 30 min x 2 OP : 11 kW / 30 min x 2	STD : 11 kW / 30 min x 2 OP : 22 kW / 30 min x 2
Live Tool Speed	4,000 rpm	3,000 rpm	4,000 rpm	3,000 rpm
Live Tool Motor	2.5 kW (8 Nm)	4 kW (22 Nm)	2.5 kW (8 Nm) x 2	4 kW (22 Nm) x 2
Footprint	W1,080 mm x D1,810 mm	W1,320 mm x D2,130 mm	W1,900 mm x D1,810 mm	W2,360 mm x D2,130 mm
Gross Weight (with loader and tool)	2,400 kg	4,200 kg	5,000 kg	7,400 kg

STD : Standard OP : Option

CNC Turning Machine with tailstock

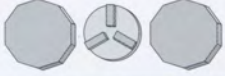
MJ Series

This series allows for automated shaft work line construction when combined with a tailstock and gantry loader.

MJ60/MJ100



MJ200



Chuck size 6", 8"
Turret Station 8

MJ60



Chuck size 10"
Turret Station 10 x 2

MJ200



Chuck size 10"
Turret Station 10

MJ100



	MJ60	MJ100	MJ200
Chuck Size	6", 8"	10"	10"
Number of Turret Stations	Turret Station 8	Turret Station 10	Turret Station 10 x 2
Maximum Spindle Speed	4,500 rpm	2,400 rpm 3,500 rpm	2,400 rpm 3,500 rpm
Spindle AC Motor	STD : 7.5 kW / 30 min OP : 11 kW / 30 min	STD : 15 kW / 30 min OP : 22 kW / 30 min	22 kW / 30 min
Tailstock	MT4 (Rolling Center)	MT5 (Rolling Center)	MT5 (Rolling Center)
Footprint	W1,180 mm x D1,950 mm	W1,715 mm x D2,165 mm	W1,920 mm x D2,330 mm
Gross Weight (with loader and tool)	3,400 kg	4,200 kg	6,800 kg

Machines in these photos are single loader type.

In-line Opposed Twin Spindle CNC Turning Machine

MT Series

Complex process integration is available by incorporating milling, C-axis and Y-axis in both right and left turrets.

These machine systems allow both bar work and chuck work.

MT series (Without MT200)



MT200

(Option)



Chuck size 6", 8"
Turret Station 15 x 2 (No Y-axis Option)

MT12



Chuck size 8"
Turret Station 15 x 2

MT20



(Y-axis Option)

Chuck size 10"
Turret Station 15 x 2

MT25

(Y-axis Option)



Chuck size 8"
T2:15 x 1 + 12
T3:15 x 2 + 12

MT200

(Y-axis All turrets)



Machines in these photos are single loader type.

	MT12	MT20	MT25	MT200
Chuck Size	6", 8"	8"	10"	8"
Number of Turret Stations	Turret Station 15 x 2	Turret Station 15 x 2	Turret Station 15 x 2	2 turret type:15 x 1 + 12 3 turret type:15 x 2 + 12
Maximum Bar Diameter	ø 51 mm	ø 65 mm	ø 65 mm	STD : ø 55 mm OP : ø 65 mm
Maximum Spindle Speed	3,000 rpm, 4,500 rpm, 6,000 rpm	4,200 rpm	2,500 rpm, 3,500 rpm, 4,000 rpm	4,000 rpm, 5,000 rpm
Spindle AC Motor	STD : Left, Right OP : Left, Right	7.5, 7.5 kW / 30 min 11, 11 kW / 30 min	15, 15 kW / 30 min 18.5, 18.5 kW / 30 min	15, 15 kW / 30 min
Live Tool Speed	4,000 rpm	3,600 rpm	3,000 rpm	4,500 rpm
Live Tool Motor	2.7 kW (12 Nm) x 2	3 kW (12 Nm) x 2	4 kW (22 Nm) x 2	5.6 kW (18 Nm)
Footprint	W2,700 mm x D1,850 mm	W2,980 mm x D2,100 mm	W3,700 mm x D2,250 mm	W3,200 mm x D2,120 mm
Gross Weight (without loader and tool)	5,200 kg	10,400 kg	10,000 kg	9,700 kg (3 turret type)
Gross Weight (with loader and tool)	5,600 kg	10,800 kg	10,400 kg	10,500 kg (3 turret type)

STD : Standard OP : Option

CNC Shaft Turning Machine

ML Series

With a machine width of 1700 mm, the ML Series is the smallest size of its class.

With servo tailstock and roller support, retooling time is significantly reduced.

ML400 (1 turret type)



ML400 (2 turret type)



Chuck size 6", 8"
Turret Station 6
ML400
(1 turret type)



Chuck size 6", 8"
Turret Station 6 x 2
ML400
(2 turret type)



ML400

(Gantry loader type)

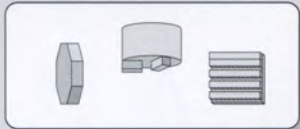


	ML400 (1 turret type)	ML400 (2 turret type)
Chuck Size	6", 8"	6", 8"
Number of Turret Stations	Turret Station 6	Turret Station 6 x 2
Maximum Workpiece Size	ø 200 mm x L400 mm	ø 200 mm x L400 mm
Maximum Spindle Speed	3,000 rpm, 4,500 rpm	3,000 rpm, 4,500 rpm
Spindle AC Motor	STD : 7.5 kW / 30 min OP : 11 kW / 30 min	STD : 11 kW / 30 min OP : 15 kW / 30 min
Tailstock	MT4 (Rolling Center)	MT4 (Rolling Center)
Footprint	W1,700 mm x D1,650 mm	W1,700 mm x D1,650 mm
Gross Weight (without loader and tool)	4,400 kg (with Roller Support)	4,400 kg

Self-loading Chucker

MV Series

With the MV Series movable spindle, automatic load and unload are available despite a manually-operated



Chuck size 8"
Turret Station 8
Sub Tool Plate
MV120



Chuck size 10"
Turret Station 8
Sub Tool Plate
MV200

	MV120	MV200
Chuck Size	8"	10"
Number of Turret Stations	Turret Station 8	Turret Station 8
Sub Tool Plate	350 mm x 245 mm	300 mm x 260 mm
Maximum Spindle Speed	4,000 rpm	3,500 rpm
Spindle AC Motor	STD : 7.5 kW / 30 min OP : 11 kW / 30 min	STD : 15 kW / 30 min OP : 22 kW / 30 min
Footprint	W980 mm x D2,060 mm	W1,450 mm x D2,584 mm
Gross Weight (with loader and tool)	4,000 kg	5,000 kg

Muratec Full Turnkey System To Provide Optimum Automation Solutions for Global Customers

Our valued customers manufacture products in many countries and areas around the world including Japan. We contribute to the improvement of productivity by suggesting and offering optimum automation solutions for each country, region and product type.

We partner with our customers and collaborate with them to formulate new ideas and methods which will help them achieve optimum productivity.

"Muratec's Full Turnkey System" is not just the machines and equipment. We support our customers by making suggestions based on our experienced manufacturing skills, testing the functionality of the manufacturing lines, and performing test cuts of the parts upon request.

These services are just a portion of what "Muratec's Full Turnkey System" has to offer.



Work Detection System

Work Type Detection



"POKA YOKE"
Upside Down Check



Post Process Gauge



Quality Control

Work Cleaning Station



Direct Moves Post Process Gauge



Parts Feeder System



Feed-in Conveyor



Stacking Type
Work-Feeder



Raw Parts Handling

Feed-out Conveyor



Finished Part Stocker



Finished Parts Handling

Auto Tray Changer



MURATEC CREATES TECHNOLOGICAL WEALTH

Murata Machinery is active both domestically and internationally as a comprehensive factory automation and office automation equipment manufacturer in the fields of textile machines, logistics & automation systems, machine tools, and communication equipment. Our machine tools offer high speed and precision by implementing the latest control technology in our turning, sheet metal, punch laser combination machines, and highly automated sheet metal FMS systems. The multitude of applications we offer allows us to respond to increasingly diverse and complex customer needs. In this way, Muratec continues successfully to contribute to the streamlining of production systems in many different fields.



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Inuyama Factory

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- MURATA MACHINERY (SHANGHAI) CO., LTD.
- MURATA (THAILAND) CO., LTD.

MACHINE TOOLS DIVISION

Turning Machinery

- CNC turret lathe
- CNC twin-spindle lathe
- CNC turning center
- CNC key seating machine
- Turning FMS and FMC

Sheet Metal Machinery

- CNC turret punch press
- Servo motor driven CNC turret punch press
- CNC laser punch press
- Press brake
- CAD / CAM system for sheet metal working
- Sheet metal FMS
- Bending system



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From the beginning of Japan's entry into the facsimile market, Muratec has been continuously developing facsimile machines that stand on the leading edge of technology.



TEXTILE MACHINERY



Muratec was the first company to develop machinery for the production of knotless yarn. As a manufacturer of textile machinery for everything from yarn to fabric, Muratec is a leading supporter of the world's fashion industry.

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Muratec's Automated Systems range from high rise warehouses, unmanned transporting systems and industrial robots to leading edge factory automation systems.

CLEAN FA

Muratec's clean system technology provides highly automated material handling systems for the semiconductor industry to improve the precision and reliability of semiconductors, liquid crystal products and to enhance productivity.



* Machine appearance may differ to that shown in the catalogue pictures
* All specifications are subject to change without advanced notice

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