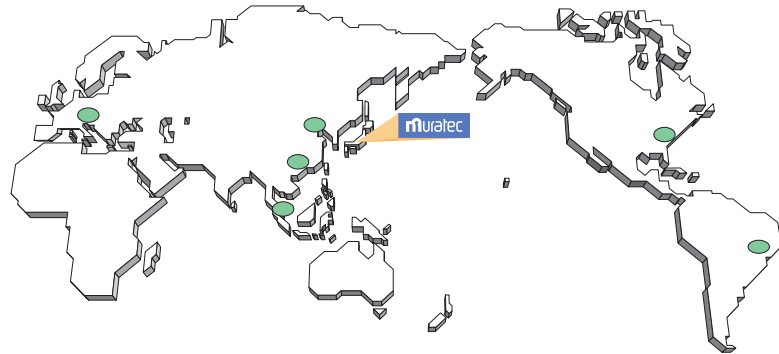


Muratec Machinery is active both domestically and internationally as a comprehensive factory automation and office automation equipment manufacturer in the fields of textile machines, logistics & automation systems, machine tools, and communication equipment. Our machine tools offer high speed and precision by implementing the latest control technology in the various types of turning machines, sheet metal machines, punch laser combination machines, and highly automated sheet metal FMS systems. The multitude of applications we offer allow 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.



- MURATA DO BRASIL COMERCIO E REPRESENTACAO DE MAQUINAS LTDA.
- MURATA MACHINERY (SHANGHAI) CO., LTD.



Headquarters



Inuyama Factory

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
- Servo-hydraulic ram CNC turret punch press
- CNC laser punch press
- CAD / CAM system for sheet metal working
- Sheet metal FMS
- Bending system



MURATA MACHINERY EUROPE GmbH (GERMANY)



MURATA MACHINERY USA, INC (USA)

COMMUNICATION EQUIPMENT

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



TEXTILE MACHINERY



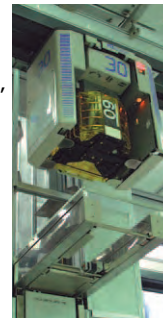
Muratec was the first company to develop for the production of knotless yarn. As a manufacturer of comprehensive textile machinery for everything from yarn to fabric, Muratec is a leading supporter of the world's fashion industry.

LOGISTICS & AUTOMATION SYSTEMS



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

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



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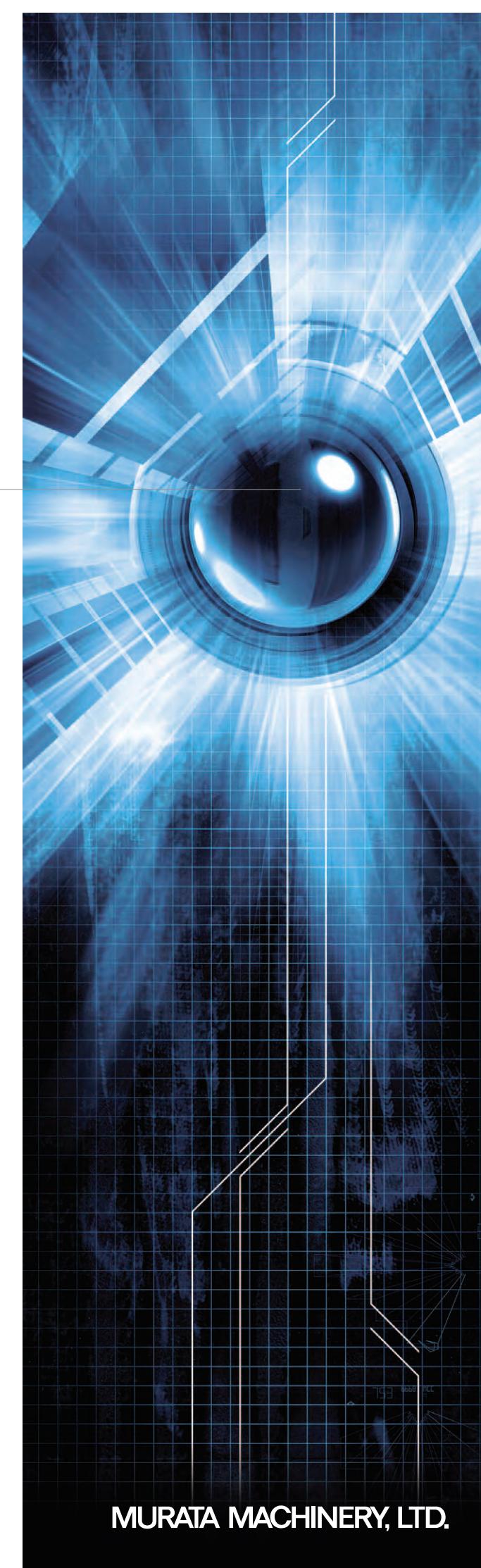
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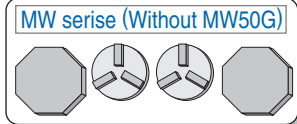
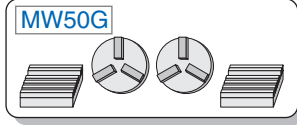


Twin Spindle CNC Chucker

MW Serie

This series is high efficiency since Two sides Machining is possible with just a single machine.

This series corresponds to an automated line construction by being combined with a gantry loader.



Chuck size 6"
Tool Plate 4 x 2
MW50G



Chuck size 8"
Tool Plate 8 x 2
MW120G



Chuck size 6"
Turret Station 8 x 2
MW100G



Chuck size 10"
Turret Station 10 x 2
MW200G



Chuck size 12"
Turret Station 10 x 2
MW300G



Chuck size 15"
Turret Station 8 x 2
MW400G



GT : Twingantry Type
GS : High Rigidity Type
HG : High Accuracy Type

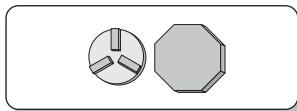
	MW50G	MW100G/100GT	MW120G/120GT	MW200G/200GS	MW300G	MW400G
Chuck Size	6"	6"	8"	10"	12"	15"
Number of Turret Station	Tool Plate 4 x 2	Turret Station 8 x 2	Turret Station 8 x 2	Turret Station 10 x 2	Turret Station 10 x 2	Turret Station 8 x 2
Spindle Speed	60 - 6,000 rpm	60 - 6,000 rpm	45 - 4,500 rpm	35 - 3,500 rpm	35 - 3,500 rpm	30 - 3,000 rpm
Spindle AC Motor	5.5 / 2.2 kW x 2	5.5 / 5.5 kW x 2	7.5 / 5.5 kW x 2	15 / 11 kW x 2 22 / 18.5 kW x 2	18.5 / 15 kW x 2	22 / 18.5 kW x 2
Machine Size (mm)	W1,220 x D2,300	W1,320 x D2,130	W1,900 x D1,760	W2,360 x D2,130 / W2,360 x D2,230	W2,910 x D2,335	W2,910 x D2,512
Gross Weight (with loader and tool)	3,400 kg	3,500 kg / 3,600 kg	4,400 kg / 4,600 kg	7,000 kg / 7,500 kg	10,700 kg	13,000 kg

Single Spindle CNC Chucker

MS Serie

Cost performance will be enhanced since this series corresponds to odd operation.

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



Chuck size 6"
Turret Station 8
MS50G



Chuck size 8"
Turret Station 8
MS60G



Chuck size 10"
Turret Station 10
MS100G



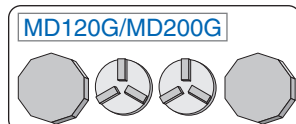
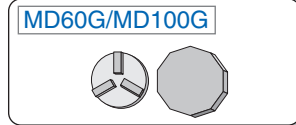
	MS50G	MS60G	MS100G
Chuck Size	6"	8"	10"
Number of Turret Station	Turret Station 8	Turret Station 8	Turret Station 10
Spindle Speed	60 - 6,000 rpm	45 - 4,500 rpm	35 - 3,500 rpm
Spindle AC Motor	5.5 / 2.2 kW x 2	7.5 / 5.5 kW x 2	15 / 11 kW x 2
Workpiece Dimension Capacity of Loader	60 mm x 40 mm	120 mm x 80 mm	200 mm x 100 mm
Minimum Cycle Time	12 sec.	13 sec.	18 sec. (6kg)
Machine Size (mm)	W980 x D1,650	W1,080 x D1,760	W1,320 x D2,130
Gross Weight (with loader and tool)	2,000 kg	2,500 kg	3,800 kg

CNC Turning Center

MD Serie

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

This series corresponds to an automated line construction by being combined with a gantry loader.



Chuck size 8"
Turret Station 10
MD60G



Chuck size 8"
Turret Station x 2
MD120G



Chuck size 10"
Turret Station 10
MD100G



Chuck size 10"
Turret Station 10 x 2
MD200G



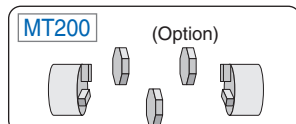
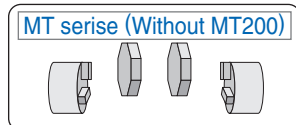
	Single-Spindle CNC Turning Center		Twin-Spindle CNC Turning Center	
	MD60G	MD100G	MD120G	MD200G
Chuck Size	8"	10"	8"	10"
Number of Turret Station	Turret Station 10	Turret Station 10	Turret Station 10 x 2	Turret Station 10 x 2
Spindle Speed	45 - 4,500 rpm	20 - 2,000 rpm	45 - 4,500 rpm	20 - 2,000 rpm
Spindle AC Motor	7.5 / 5.5 kW	11 / 7.5 kW	7.5 / 5.5 kW x 2	11 / 7.5 kW x 2
Live Tool Speed	4,000 rpm	3,000 rpm	4,000 rpm	3,000 rpm
Live Tool Motor	2.5 kW (9 Nm)	4 kW (22 Nm)	2.5 kW (9 Nm) x 2	4 kW (22 Nm) x 2
Maximum Tool Size Milling/Tap	ø 16 mm / M 10	ø 20 mm / M 16	ø 16 mm / M 10	ø 20 mm / M 16
Machine Size (mm)	W1,080 x D1,825	W1,320 x D2,220	W1,900 x D1,925	W2,360 x D2,220
Gross Weight (with loader and tool)	2,500 kg	4,000 kg	4,400 kg	7,000 kg

In-line Opposed Twin Spindle CNC Turning Machine

MT Serie

Drastic process integration is available by installing milling, C-axis and Y-axis in right and left turrets.

The system corresponds to both bar work and chuck work.



Chuck size 6"
Turret Station 15 x 2
MT12



No Y-axis Option

Chuck size 10"
Turret Station 15 x 2
MT 25



Y-axis Option



Y-axis Option

Chuck size 8"
Turret Station 15 x 2
MT 20



Chuck size 8"
T2:15 + 12
T3:15 x 2 +12
MT 200

	MT12	MT20	MT25	MT200
Chuck Size	6"	8"	10"	10"
Number of Turret Station	Turret Station 15 x 2	Turret Station 15 x 2	Turret Station 15 x 2	2 turret type:15 + 12 3 turret type:15 x 2 +12
Maximum Bar Diameter	ø 45 mm	ø 65 mm	ø 65 mm	ø 65 mm
Spindle Speed	45 - 4,500 rpm	42 - 4,200 rpm	35 - 3,500 rpm	35 - 3,500 rpm
Spindle AC Motor	7.5 / 5.5 kW x 2	15 / 11 kW	15 / 11 kW	15 / 11 kW
Live Tool Speed	4,000 / 6,000 rpm	3,600 rpm	3,000 / 6,000 rpm	3,000 / 6,000 rpm
Live Tool Motor	3 kW (9 Nm) x 2	3 kW (12 Nm) x 2	4 kW (22 Nm) x 2	4 kW (22 Nm) x 2
Maximum Tool Size Milling/Tap	ø 16 mm / M12	ø 20 mm / M16	ø 20 mm / M16	ø 20 mm / M16
Machine Size (mm)	W2,700 x D1,850	W2,980 x D2,100	W3,700 x D2,250	W3,700 x D2,250
Gross Weight(with loader and tool)	5,500 kg	10,600 kg	10,000 kg	10,000 kg

CNC Shaft Turning Machine

ML Serie

The machine width is 1700 mm of the smallest size of all its classes.

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

Chuck size 6"
Turret Station 6
ML400



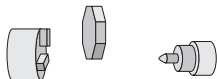
Chuck size 6"
Turret Station 6 x 2
ML400/T2



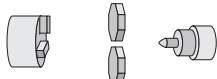
Gantry loader type
ML400G



ML400



ML400/T2



	ML400	ML400/T2
Chuck Size	6 (8) "	6 (8) "
Number of Turret Station	Turret Station 6	Turret Station 6 x 2
Maximum workpiece size	ø 200mm x L400mm	ø 200mm x L400mm
Spindle Speed	4,500 rpm (3,000 rpm)	4,500 rpm (3,000 rpm)
Spindle AC Motor	7.5 / 5.5kW	11 / 7.5kW
Rapid traverse rate (X-axis/Z-axis)	X : 20m/min, Z : 32m/min.	X : 20m/min, Z : 32m/min.
Tailstock	MT4 (Rolling Center)	MT4 (Rolling Center)
Machine Size (mm)	W1,700 x D1,650 x H1,650	W1,700 x D1,650 x H1,650

CNC Shaft Turning Machine

MS60J

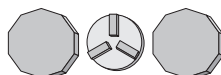
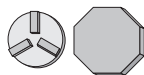
Wasting time is reduced owing to tailstock with an automatic two-speed function.



CNC Shaft Turning Machine

MJ200

Cutting time is significantly reduced owing to double turrets.



	MS60J
Chuck Size	8"
Number of Turret Station	Turret Station 8
Maximum workpiece size	ø 40 mm x L160 mm
Spindle Speed	45 - 4,500 rpm
Spindle AC Motor	7.5 / 5.5kW
Machine Size (mm)	W1,180 x D1,950
Gross Weight (with loader and tool)	3,000 kg

	MJ200
Chuck Size	10"
Number of Turret Station	Turret Station 10 x 2
Spindle Speed	24 - 2,400 rpm
Spindle AC Motor	22 / 18.5kW
Tailstock (Option)	MT No.5 (Servo drive)
Machine Size(mm)	W1,920 x D2,330
Gross Weight (with loader and tool)	7,000 kg

Self-loading Chucker

MV Serie

Owing to a movable spindle, automatic attachment and removal is available despite a hand-operated machine.

Chuck size 8"
Turret Station 8
Sub Tool Plate
MV120



Chuck size 10"
Turret Station 8
(Turret Station 10)
Sub Tool Plate
MV200

Twin Spindle, Single Turret CNC Chucker

MZ60

Cutting time is significantly reduced owing to double turrets.



	MV120/ MV120M	MV200
Chuck Size	8"	10"
Number of Turret Station	Turret Station 8	Turret Station 10 (8STA使用可)
Sub Tool Plate	360 mm x 245 mm	300 mm x 260 mm
Spindle Speed	40 - 4,000 rpm	35 - 3,500 rpm
Spindle AC Motor	7.5 / 5.5kW	15 / 11kW
Machine Size (mm)	W980 x D2,060	W1,150 x D2,584
Gross Weight (with loader and tool)	4,000 kg / 4,100 kg	5,000 kg

	MZ60G / MZ60GT
Chuck Size	6"
Number of Turret Station	Turret Station 12
Spindle Speed	60 - 6,000 rpm
Spindle AC Motor	5.5 / 3.7kW x 2
Machine Size(mm)	W1,580 x D1,700
Gross Weight(with loader and tool)	3,000 kg / 3,200 kg

TOTAL AUTOMATED SOLUTION

- Automation peripherals and software designs to meet any need.
- Murata designed and manufactured automation / peripheral equipment offer high speed, reliable and precise operation at an economical price.

Work Detection System

Work Type Detection



"POKA YOKE"
Upside Down Check



Post Process Gauge



Work Cleaning Station




Direct Moves Post Process gauge




Quality Control




Parts Feeder System



Stacking Type Work-feeder



Feed-in Conveyor



Raw Parts Handling

Feed-out Conveyor



Finished Part Stocker



Auto tray Changer



Finished Parts Handling