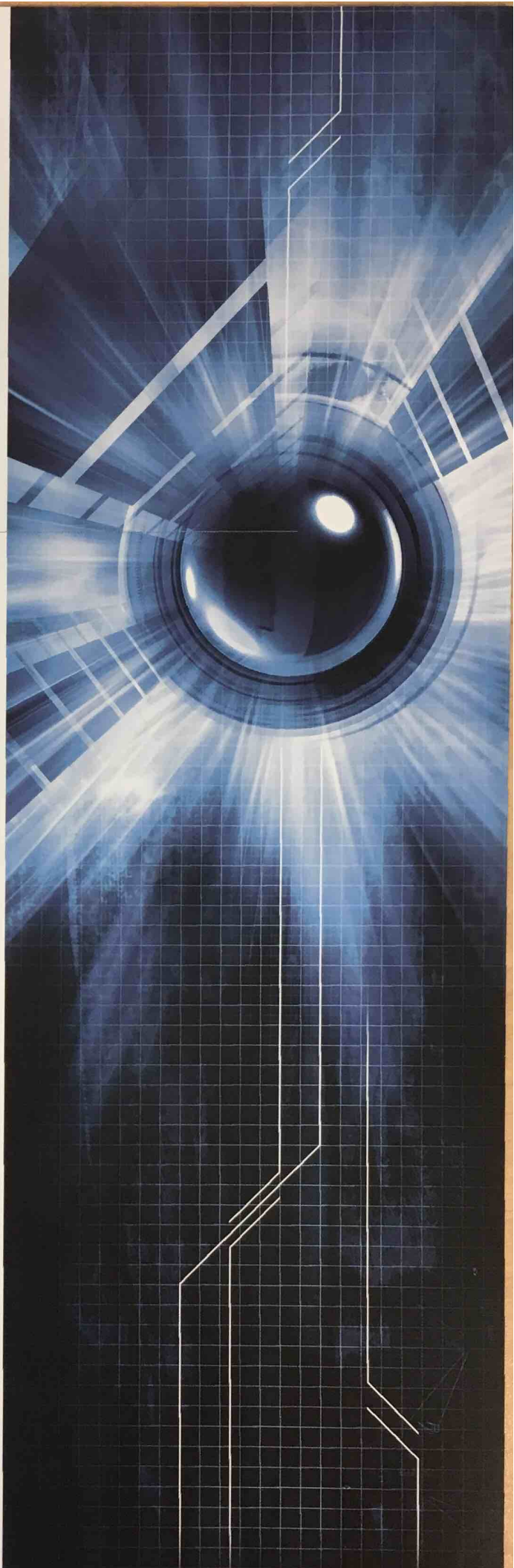


muratec



General Catalogue of

CNC Turning Machines



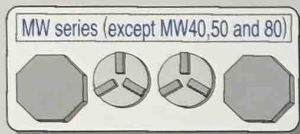
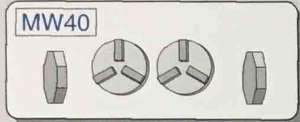
MURATA MACHINERY, LTD.

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 structure when combined with a gantry loader.



Chuck size 4", 5"
Turret station 10 x 2
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

	MW40	MW50	MW80	MW100
Maximum Chuck Size	4", 5"	6"	6"	6"
Number of Turret Stations	Turret Station 10 x 2	Tool Plate x 2 Width : 270 mm	Tool Plate x 2 Width : 370 mm	Turret Station 8 x 2
Spindle Drive Motor	3.7 kW/30 min x 2	7.5 kW/30 min x 2	7.5 kW/30 min x 2	5.5 kW/30 min x 2
Spindle Speed Range	8,000 rpm, 10,000 rpm	6,000 rpm	6,000 rpm	3,000 rpm, 4,500 rpm 6,000 rpm
Live Tool Drive Motor	1.4 kW(2.8 N/continuous) x 2	—	—	—
Live Tool Maximum Speed	6,000 rpm	—	—	—
Footprint	W1,590 mm x D1,950 mm	W1,220 mm x D1,985 mm	W1,680 mm x D2,020 mm	W1,550 mm x D1,650 mm
Total Weight	3,100 kg	3,400 kg	4,000 kg	3,500 kg



Chuck size 6", 8"
Turret station 8 x 2
MW120



Chuck size 8", 10"
Turret station 10 x 2
MW180



Chuck size 10", 12"
Turret station 10 x 2
MW200



Chuck size 15"
Turret station 8 x 2
MW400

	MW120	MW180	MW200	MW400
Maximum Chuck Size	6", 8"	8", 10"	10", 12"	15"
Number of Turret Stations	STD : Turret Station 8 x 2 OP : Turret Station 12 x 2	STD : Turret Station 10 x 2 OP : Turret Station 12 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
Spindle Drive Motor	STD : 7.5 kW/30 min x 2 OP : 11 kW/30 min x 2	STD : 11 kW/30 min x 2 OP : 15 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
Spindle Speed Range	3,000 rpm, 4,500 rpm 7.5 kW only : 6,000 rpm	2,400 rpm, 3,500 rpm	2,400 rpm, 3,500 rpm	3,000 rpm, 3,500 rpm
Live Tool Drive Motor	—	—	—	—
Live Tool Maximum Speed	—	—	—	—
Footprint	W1,900 mm x D1,810 mm	W2,360 mm x D2,130 mm	W2,360 mm x D2,130 mm	W2,910 mm x D2,400 mm
Total Weight	4,400 kg	7,200 kg	7,200 kg	13,200 kg

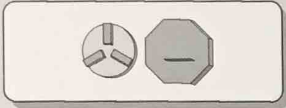
STD : Standard OP : Option

Single Spindle CNC Chucker

MS Series

This series provides cost-effective solutions for odd-numbered operations.

This series has the same structure and operations as the MW series.



Chuck size 6"
Turret station 8
MS50



Chuck size 10", 12"
Turret station 10
MS100



Chuck size 6", 8"
Turret station 8
MS60



	MS20	MS50	MS60	MS90	MS100
Maximum Chuck Size	4", 5"	6"	6", 8"	8", 10"	10" 12"
Number of Turret Stations	Turret Station 10	Turret Station 8	STD : Turret Station 8 OP : Turret Station 12	STD : Turret Station 10 OP : Turret Station 12	STD : Turret Station 10 OP : Turret Station 12
Spindle Drive Motor	3.7 kW/30 min	5.5 kW/30min	STD : 7.5 kW/30 min OP : 11 kW/30 min	STD : 11 kW/30 min OP : 15 kW/30 min	STD : 15 kW/30 min OP : 22 kW/30 min
Spindle Speed Range	8,000 rpm, 10,000 rpm	3,000 rpm, 4,500 rpm, 6,000 rpm	3,000 rpm, 4,500 rpm 7.5 kW only : 6,000 rpm	2,400 rpm, 3,500 rpm	2,400 rpm, 3,500 rpm
Live Tool Drive Motor	1.4 kW(2.8 N/continuous)	—	—	—	—
Live Tool Maximum Speed	6,000 rpm	—	—	—	—
Footprint	W990 mm x D1,920 mm	W980 mm x D1,650 mm	W1,080 mm x D1,810 mm	W1,320 mm x D2,130 mm	W1,320 mm x D2,130 mm
Total Weight	2,500 kg	2,200 kg	2,500 kg	4,000 kg	4,000 kg

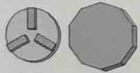
CNC Turning Center

MD Series

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

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

MD60/MD100



MD120/MD200



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



Chuck size 6", 8"
Turret station 10
MD60



Chuck size 10"
Turret station 10 x 2
MD200



Chuck size 10"
Turret station 10
MD100

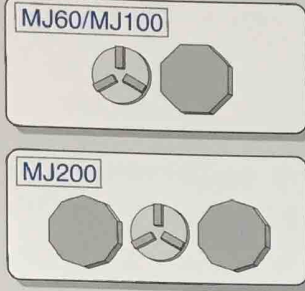


	MD60	MD100	MD120	MD180	MD200
Maximum Chuck Size	6", 8"	10"	6", 8"	8", 10"	10"
Number of Turret Stations	Turret Station 10	Turret Station 10	Turret Station 10 x 2	Turret Station 10 x 2	Turret Station 10 x 2
Spindle Drive Motor	STD : 7.5 kW/30 min OP : 11 kW/30 min	STD : 11 kW/30 min OP : 22 kW/30 min	STD : 7.5 kW/30 min x 2 OP : 11 kW/30 min x 2	STD : 11 kW/30 min x 2 OP : 15 kW/30 min x 2	STD : 11 kW/30 min x 2 OP : 22 kW/30 min x 2
Spindle Speed Range	4,500 rpm 7.5 kW only : 3,000 rpm, 6,000 rpm	2,000 rpm	4,500 rpm 7.5 kW only : 3,000 rpm, 6,000 rpm	2,400rpm, 3,500 rpm	2,400rpm, 3,500 rpm
Live Tool Drive Motor	2.5 kW (8 N/continuous)	4 kW (22 N/continuous)	2.5 kW (8 N/continuous) x 2	4 kW (22 N/continuous) x 2	4 kW (22 N/continuous) x 2
Live Tool Maximum Speed	4,000 rpm	3,000 rpm	4,000 rpm	2,400 rpm, 3,500 rpm	2,400 rpm, 3,500 rpm
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	W2,360 mm x D2,130 mm
Total Weight	2,400 kg	4,200 kg	5,000 kg	7,400 kg	7,400 kg

CNC Turning Machine with tailstock

MJ Series

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



Chuck size 6", 8"
Turret station 8
MJ60



Chuck size 10"
Turret station 10 x 2
MJ200



Chuck size 10"
Turret station 10
MJ100

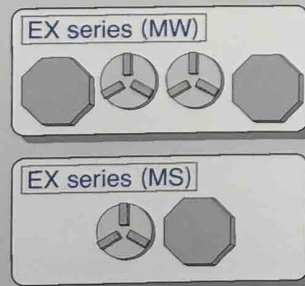


	MJ60	MJ100	MJ200
Maximum Chuck Size	6", 8"	10"	10"
Number of Turret Stations	Turret Station 8	Turret Station 10 OP : Turret Station 12	Turret Station 10 x 2
Spindle Drive Motor	STD : 7.5 kW/30 min OP : 11 kW/30 min	STD : 15 kW/30 min OP : 22 kW/30 min	22 kW/30 min
Spindle Speed Range	3,000 rpm, 4,500 rpm 7.5 kW only : 6,000 rpm	2,400 rpm 3,500 rpm	2,400 rpm 3,500 rpm
Tailstock (Rolling Center)	MT4	MT5	MT5
Footprint	W1,180 mm x D1,950 mm	W1,715 mm x D2,130 mm	W1,920 mm x D2,330 mm
Total Weight	3,600 kg	5,400 kg	7,000 kg

Twin Spindle CNC Chucker
Single Spindle CNC Chucker

EX Series

High Rigidity & High Accuracy for Hard Cutting Conditions
New & Improved EX Series



Chuck size 6", 8"
Turret station 8 x 2
MW120EX



Chuck size 10"
Turret station 10 x 2
MW200EX



	MW120EX	MW200EX	MS60EX
Maximum Chuck Size	6", 8"	10"	6", 8"
Number of Turret Stations	STD : Turret Station 8 x 2 OP : Turret Station 12 x 2	STD : Turret Station 10 x 2 OP : Turret Station 12 x 2	STD : Turret Station 8 OP : Turret Station 12
Spindle Drive Motor	STD : 7.5 kW/30 min x 2 OP : 11 kW/30 min x 2	STD : 15 kW/30 min x 2 OP : 22 kW/30 min x 2	STD : 7.5 kW/30 min OP : 11 kW/30 min
Spindle Speed Range	3,000 rpm, 4,500 rpm 7.5 kW only : 6,000 rpm	2,400 rpm, 3,500 rpm	3,000 rpm, 4,500 rpm 7.5 kW only : 6,000 rpm
Footprint	W1,900 mm x D1,810 mm	W2,360 mm x D2,130 mm	W1,080 mm x D1,810 mm
Total Weight	4,400 kg	7,200 kg	2,500 kg

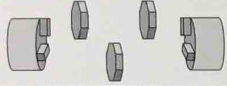
STD : Standard OP : Option

MT Series

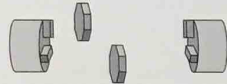
Complex process integration is available by incorporating milling, C-axis and Y-axis in both right and left turrets.

These machine systems allow both bar work and chuck work.

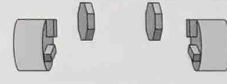
MT100/200 (3 turret type)



MT100/200 (2 turret type)



MT12/20/25 (2 turret type)



(Y-axis on all turrets)

Chuck size 6"

T2:15 x 2

T3:15 x 3

MT100



(Y-axis on all turrets)

Chuck size 8"

T2:15 x 1 + 12

T3:15 x 2 + 12

MT200



Chuck size 6", 8"

(No optional Y-axis)

Turret station 15 x 2

MT12



Chuck size 8"

Turret station 15 x 2

MT20

(Optional Y-axis)



Chuck size 10"

Turret station 15 x 2

MT25

(Optional Y-axis)

	MT100	MT200
Maximum Chuck Size	6"	8"
Number of Turret Stations	2 turret type 15 x 2 3 turret type 15 x 3	2 turret type:15 x 1 + 12 3 turret type:15 x 2 + 12
Maximum Bar Workpiecesize	ø 51 mm	STD : ø 65 mm OP : ø 80 mm
Spindle Drive Motor	11kW/30 min x 2	15 kW/30 min x 2
Spindle Speed Range	STD:5,000 rpm OP:6,000 rpm	ø 110:4,000 rpm ø 130:3,500 rpm (Top cut)
Live Tool Drive Motor	8.0kW/max. (2.2kW/continuous) [Max.=3,500 rpm, Time duty 10% (On:3.0 sec)]	14.0 kW/max. (4.8 kW/continuous) [Max=4,500 rpm, Time duty 10% (On:3.0 sec)]
Live Tool Maximum Speed	6,000 rpm	4,500 rpm
Footprint	W 3,070 mm x D 2,115 mm	W3,200 mm x D2,120 mm
Total Weight (without loader) (with loader)	8,500kg (3 turret type, Manual type) 9,000kg (3 turret type, Gantry loader type)	11,500kg (3 turret type, Manual type) 12,000kg (3 turret type, Gantry loader type)

	MT12	MT20	MT25
Maximum Chuck Size	6", 8"	8"	10"
Number of Turret Stations	Turret Station 15 x 2	Turret Station 15 x 2	Turret Station 15 x 2
Maximum Bar Workpiecesize	ø 51 mm	ø 65 mm	ø 65 mm
Spindle Drive Motor	STD : 7.5 kW/30 min x 2 OP : 11 kW/30 min x 2	STD : 15 kW/30 min x 2 OP : 18.5 kW/30 min x 2	STD : 15 kW/30 min x 2 OP : 22 kW/30 min (Left spindle only)
Spindle Speed Range	3,000 rpm, 4,500 rpm 7.5 kW only : 6,000 rpm	4,200 rpm	2,500 rpm, 3,500 rpm, 4,000 rpm
Live Tool Drive Motor	2.7 kW (12 N/continuous) x 2	3 kW (12 N/continuous) x 2	4 kW (22 N/continuous) x 2
Live Tool Maximum Speed	4,000 rpm	3,600 rpm	3,000 rpm
Footprint	W2,700 mm x D1,850 mm	W2,980 mm x D2,100 mm	W3,700 mm x D2,250 mm
Total Weight (without loader) (with loader)	5,200 kg 5,600 kg	10,400 kg 10,800 kg	10,000 kg 10,400 kg

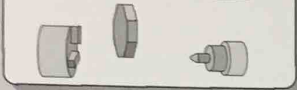
CNC Shaft Turning Machine

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
(Manual type)



ML400
(Gantry loader type)

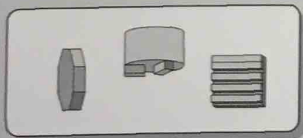


	ML400 (1 turret type)	ML400 (1 turret, Long type)	ML400 (2 turret type)	ML400 (2 turret, Long type)
Maximum Chuck Size	6", 8"		6", 8"	
Maximum Workpiece Size	ø 200 mm x L400 mm	ø 200 mm x L570 mm	ø 200 mm x L400 mm	ø 200 mm x L570 mm
Number of Turret Stations	Turret Station 6		Turret Station 6 x 2	
Spindle Drive Motor	STD : 7.5 kW/30 min OP : 11 kW/30 min		STD : 11 kW/30 min OP : 15 kW/30 min	
Spindle Speed Range	3,000 rpm, 4,500 rpm		3,000 rpm, 4,500 rpm	
Live Tool Drive Motor	1.0 kW (3.9 N/continuous)		1.0 kW (3.9 N/continuous) x 2	
Live Tool Maximum Speed	4,000 rpm		4,000 rpm	
Tailstock (Rolling Center)	STD : MT4 OP : MT5		STD : MT4 OP : MT5	
Footprint	W1,700 mm x D1,600 mm	W2,140 mm x D1,600 mm	W1,700 mm x D1,600 mm	W2,140 mm x D1,600 mm
Total Weight	(Without loader) 4,400 kg (with Roller Support) (With loader) 5,500 kg (with Roller Support)	5,500 kg (with Roller Support) 6,700 kg (with Roller Support)	4,400 kg 5,500 kg	5,500 kg 6,700 kg

Self-loading Chucker

MV Series

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



Chuck size 8"
Turret station 8
Sub tool plate

MV120



Chuck size 10"
Turret station 8
Sub tool plate

MV200



	MV120	MV200
Maximum Chuck Size	8"	10"
Number of Turret Stations	Turret Station 8	Tool Station 8 (Number of Turret 10)
Sub Tool Plate	W350 mm x H245 mm	W300 mm x H260 mm
Spindle Drive Motor	STD : 7.5 kW/30 min OP : 11 kW/30 min	STD : 15 kW/30 min OP : 22 kW/30 min
Spindle Speed Range	4,000 rpm	3,500 rpm
Footprint	W980 mm x D2,200 mm	W1,150 mm x D2,584 mm
Total Weight	4,000 kg	5,000 kg

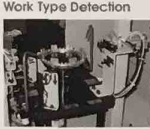
STD : Standard OP : Option

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. "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.

Work Detection System


"POKA YOKE" Upside Down Check




Work Type Detection

Quality Control


Post Process Gauge



Work Cleaning Station




Direct Moves Post Process Gauge




Raw Parts Handling


Parts Feeder System



Stacking Type Work-Feeder




Feed-In Conveyor




Finished Parts Handling


Feed-out Conveyor




Auto Tray Changer



Finished Part Stacker





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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MURATA MACHINERY EUROPE GmbH (GERMANY)





Headquarters (JAPAN)



Inuyama Factory (JAPAN)

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

• Safety Specification

For EU countries, machines are built with CE-safety conformity.

* The machines shown in the catalogue may differ in appearance from the actual machines.
* All specifications are subject to change without advance notice

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