

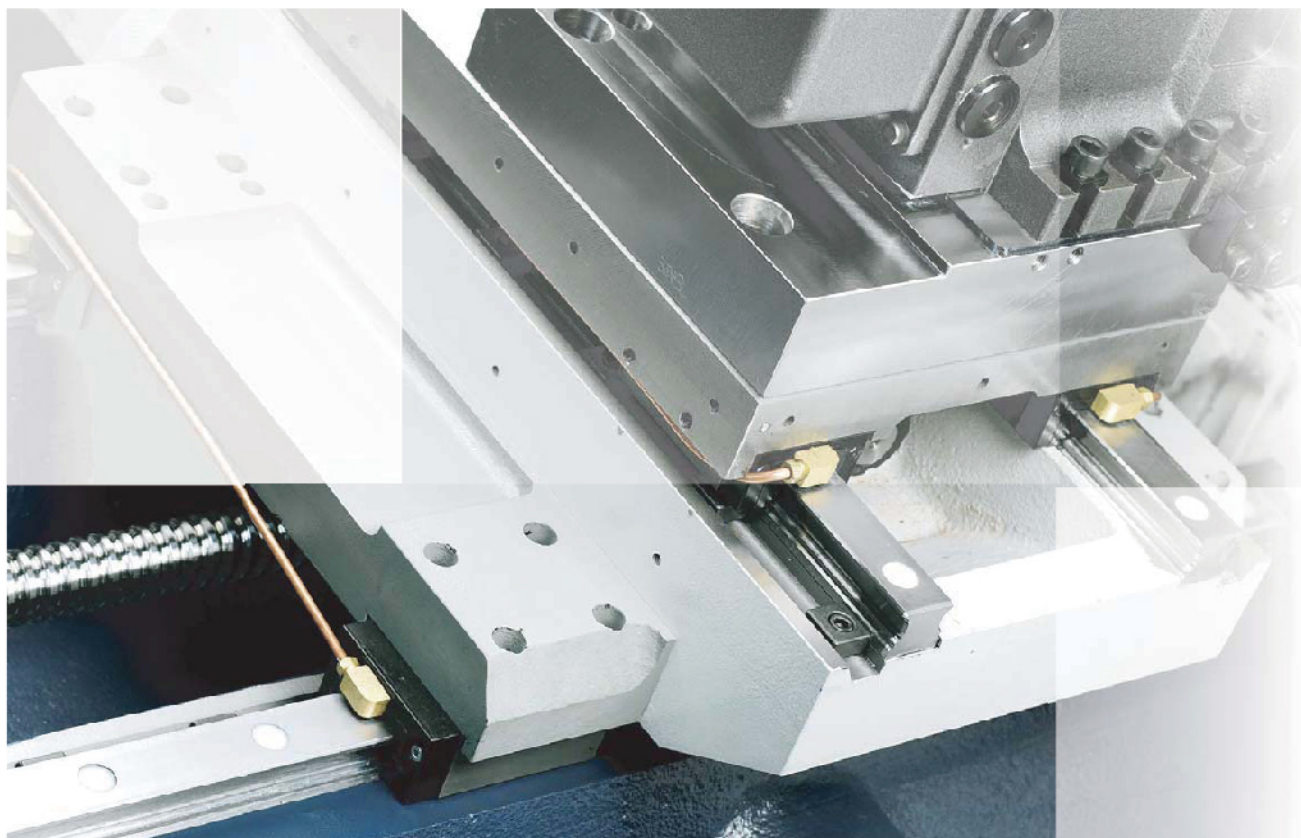


Your Total Molds Solution CNC LATHES

**MT-100/150/200/208/210/300 Series
MT-200MC/208MC/210MC Series**

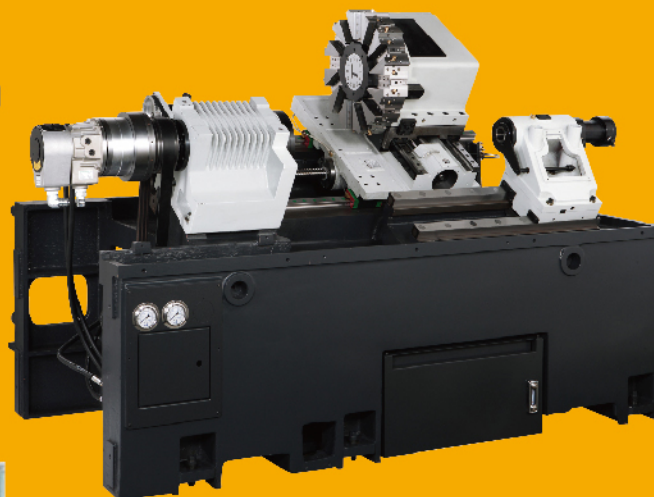


PROMPT INTEGRATED TECHNOLOGY LTD
www.promptcnc.com



The PROMPT MT series is a very fine integration of high quality and affordable prices.

MT-200



MT-208

big diameter bearing (up to 100mm)
provides high rigidity

MACHINE SPECIFICATIONS

Item / Modle		MT-100	MT-150	MT-200
MODEL	Machine type	Box way	Box way	Linear (Box)
	Machine body type	Slant	Slant	Slant
PROCESS FUNCTION	Swing over bed	400 mm	400 mm	525 mm
	Standard turning dia	150 mm	200 mm	320 mm
	Max. turning dia	250 mm	250 mm	350 mm
	Max. turning length	175 mm	150 mm	470 mm
MOVING MEASURE	Bar capacity	42 mm	52 mm	52 mm
	X-axis stroke	220 mm	220 mm	380 mm
	Z-axis stroke	200 mm	200 mm	530 / 780 mm
	Spindle speed	6000 rpm	4000 rpm	4000 rpm
SPINDLE	Spindle nose	A2-5	A2-6	A2-6
	Spindle thru-hole dia	52 mm	62 mm	65 mm
	Spindle bearing inside dia	80 mm	85 mm	100 mm
TURRENT	Type of turret	8	8	12
	Height of square tool	20 mm	20 mm	25 mm
	Dia of boring bar holder	20 mm	20 mm	40 mm
	3-jaw Chuck	6"	8"	8"
TAILSTOCK	Stroke of tailstock	130 mm	130 mm	350 mm
	Tail sleeve dia	60 mm	60 mm	90 mm
	Taper of tailstock	MT#4	MT#4	MT#5
	Tail sleeve stroke	75 mm	75 mm	100 mm
FEED SPEED	Rapid feed speed	X:20 / Z:20 m/min	X:20 / Z:20 m/min	X:20 / Z:24 m/min (opt.:30 for Linear)
MOTOR	Spindle motor	7.5 / 11 kw	7.5 / 11 kw	11 / 15 kw
	Lubricating oil motor	0.75 kw	0.75 kw	1.5 kw
	Cutting oil motor	0.25 kw	0.25 kw	0.37 kw
	Servo turrent motor	0.75 kw	0.75 kw	1.2 kw
POWER	Electric power	15 KVA	15 KVA	22 KVA
	Hydraulic pressure	20 L	20 L	50 L
OIL TANK CAPACITY	Lubricating oil	1.8 L	1.8 L	1.8 L
	Cutting oil	40 L	40 L	200 L
MACHINE	Floor space (L x W)	1850 x 1750 mm	1850 x 1750 mm	2950 / 3250 x 1600 mm
	Net weight	2400 kg	2500 kg	4100 kg

*The above specifications subject to change without prior notice.

STANDARD ACCESSORIES

- 3-jaw hydraulic chuck
- Hydraulic system
- Hydraulic tailstock
- Live center
- Coolant system
- Morse taper sleeve
- Auto lubrication system
- Working light
- Heat exchanger for electrical cabinet
- Soft jaw
- Foot switch for chuck clamp
- MPG hand wheel
- Operation & maintenance manuals
- Tools and box
- Levelling bolts and screws
- OD tool holder
- Facing tool holder
- Boring bar holder & sleeves
- Drill sleeves
- FANUC controller

OPTIONAL ACCESSORIES

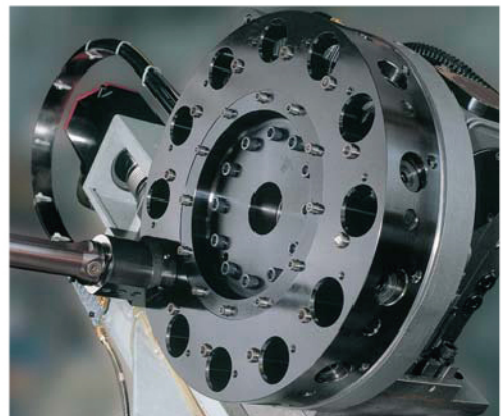
- Bar feeder
- Parts catcher
- Tool setter
- C-axis
- VDI turret
- VDI tool holders
- Auto door
- Chip conveyor
- Chip bucket
- Transformer
- CE mark
- Safety torque limit clutch
- Hoisting hook package
- Levelling kit
- Bar feeder interface (LNS system)
- Additional tool holders and sleeves
- SIEMENS controller

Fast and accurate
servo-driven turrets. (opt.)

MT-210



Flexible coupling ensures
the smooth and accurate
movements of the machine.



Fast and accurate servo-driven turrets.
(Optional VDI turret)

MACHINE SPECIFICATIONS

Item / Model		MT-208	MT-210	MT-300
MODEL	Machine type	Linear (Box)	Linear (Box)	Box way
	Machine body type	Slant	Slant	Slant
PROCESS FUNCTION	Swing over bed	545 mm	545 mm	670 mm
	Standard turning dia	350 mm	350 mm	400 mm
	Max. turning dia	350 mm	350 mm	400 mm
	Max. turning length	470 / 720mm	500 / 750 mm	490 / 950 mm
MOVING MEASURE	Bar capacity	52 mm	75 mm	75 mm
	X-axis stroke	380 mm	380 mm	470 mm
	Z-axis stroke	530/780mm	530/780 mm	560 / 1000 mm
	Spindle speed	4000 rpm	4000 rpm	3000 rpm
SPINDLE	Spindle nose	A2-6	A2-8	A2-8
	Spindle thru-hole dia	65 mm	91 mm	91 mm
	Spindle bearing inside dia	100 mm	130 mm	130 mm
TURRET	Type of turret	12	12	10
	Height of square tool	25 mm	25 mm	25 mm
	Dia of boring bar holder	40 mm	40 mm	40 mm
	3-jaw Chuck	8"	10"	10"
TAILSTOCK	Stroke of tailstock	350/500 mm	350/500 mm	390 mm
	Tail sleeve dia	85 mm	85 mm	85 mm
	Taper of tailstock	MT# 5	MT# 5	MT#5
	Tail sleeve stroke	100 mm	100 mm	120 mm
FEED SPEED	Rapid feed speed	X:20 / Z:24 m/min (opt.:30 for Linear)	X:20 / Z:24 m/min (opt.:30 for Linear)	X:20 / Z:24 m/min
MOTOR	Spindle motor	11/15 kw	11/15 kw	15 / 18.5 kw
	Lubricating oil motor	1.5 kw	1.5 kw	1.5 kw
	Cutting oil motor	0.55 kw	0.55 kw	0.55 kw
	Servo turret motor	1.2 kw	1.2 kw	1.2 kw
POWER	Electric power	30 KVA	30 KVA	30 KVA
	Hydraulic pressure	50 L	50 L	50 L
OIL TANK CAPACITY	Lubricating oil	1.8 L	1.8 L	1.8 L
	Cutting oil	160 L	160 L	160 L
MACHINE	Floor space (L x W)	2300 / 3100 x 1500 mm	2300 / 3100 x 1500 mm	3850 / 4400 x 1900 mm
	Net weight	4350 / 4850kg	4500 / 5000 kg	5600 / 6600 kg

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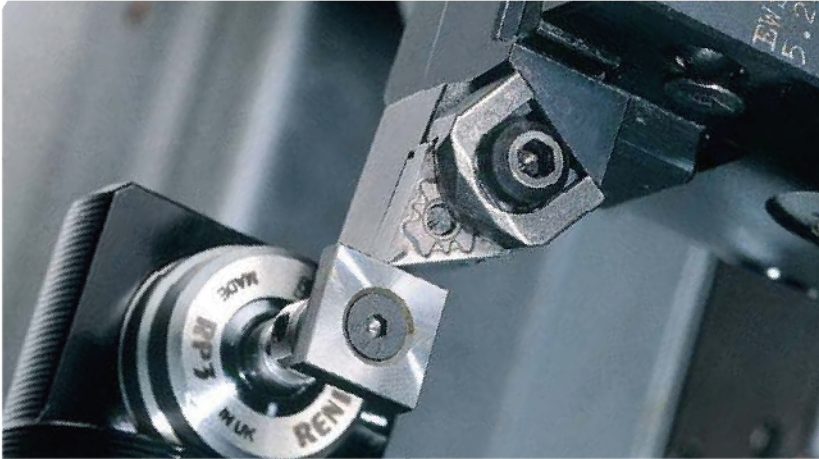
STANDARD ACCESSORIES

- 3-jaw hydraulic chuck
- Hydraulic system
- Hydraulic tailstock
- Live center
- Coolant system
- Morse taper sleeve
- Auto lubrication system
- Working light
- Heat exchanger for electrical cabinet
- Soft jaw
- Foot switch for chuck clamp
- MPG hand wheel
- Operation & maintenance manuals
- Tools and box
- Levelling bolts and screws
- OD tool holder
- Facing tool holder
- Boring bar holder & sleeves
- Drill sleeves
- FANUC controller

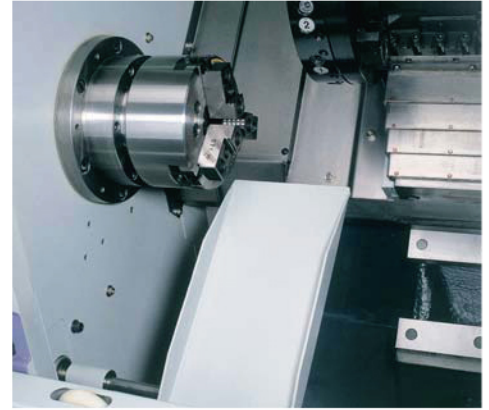
OPTIONAL ACCESSORIES

- Bar feeder
- Parts catcher
- Tool setter
- C-axis
- VDI turret
- VDI tool holders
- Auto door
- Chip conveyor
- Chip bucket
- Transformer
- CE mark
- Safety torque limit clutch
- Hoisting hook package
- Levelling kit
- Bar feeder interface (LNS system)
- Additional tool holders and sleeves
- SIEMENS controller

We have consider all the turning applications you might use:
Wide range of options available for your choice



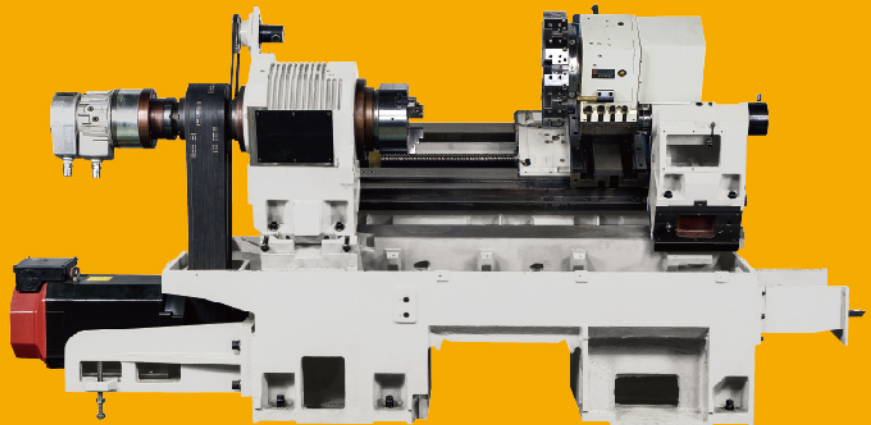
Tool setter from Renishaw provides quick and easy tooling set up. (opt.)



Parts catcher is available for full automation job. (opt.)

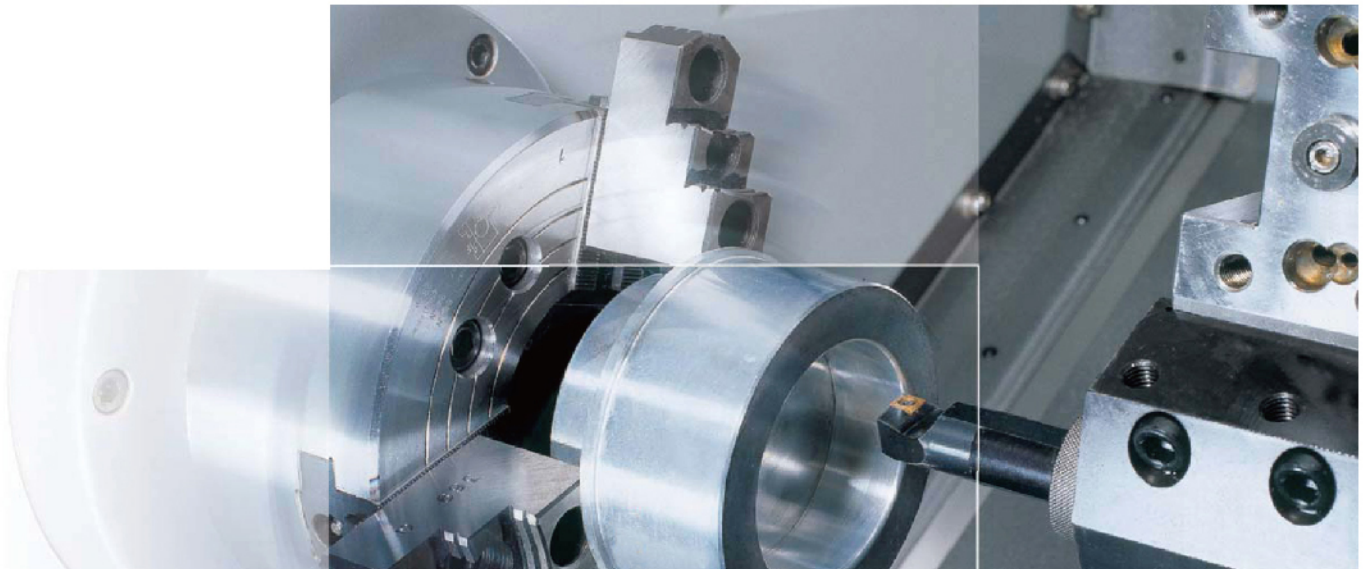


C axis high resolution encoder from FANUC. (opt.)



MT-300

- 30 degree slant bed design for easy operation and easy chip removal
- Cast iron bed with optimally designed ribs with integral stiffness provides an very strong rigidity
- Big diameter bearing provides high rigidity
- High-resolution encoder mounted on spindle to provide accurate C axis positioning
- C axis with continuous indexing
- Double supported ballscrews direct-driven servo motors are used for axial movements
- Servo turret or hydraulic turret is offered for users as an alternative choice
- Large disc is equipped for easy tool set up
- Special spindle motor location design reduces machine floor space
- One-piece structure on the machine structure to provide massive rigidity
- Programmable tailstock available as an option
- Large coolant tank
- Internal coolant supply through turret disc
- High pressure pump
- PLC controlled chip conveyor



Offering the most solid base to process up to 3000mm turning length, bar capacity up to 117.5mm, and swing up to 700mm over bed, the Prompt MT series provide the best possible results for CNC lathe operation. The sturdy 30 degree slant bed provides a vibration free operation to the machine. The ergonomically placed spindle, tailstock, and turret provide the operation with the optimal working condition.



MT-208



MT-208MC

MACHINE SPECIFICATIONS

Item / Modle		MT-200MC	MT-208MC	MT-210MC
MODEL	Machine type	Box / Linear way	Box way	Box way
	Machine body type	Slant	Slant	Slant
PROCESS FUNCTION	Swing over bed	450 mm	545 mm	545 mm
	Max. turning dia	250 mm	250 mm	250 mm
	Max. turning length	400 / 650 mm	500 / 750 mm	500 / 750 mm
MOVING MEASURE	Bar capacity	52 mm	52 mm	75 mm
	X-axis stroke	330 mm	180 mm	180 mm
	Z-axis stroke	420 / 670 mm	530/780 mm	530/780 mm
SPINDLE	Spindle speed	4000 rpm	4000 rpm	4000 rpm
	Spindle nose	A2-6	A2-6	A2-8
	Spindle thru-hole dia	62 mm	62 mm	90 mm
	Spindle bearing inside dia	100 mm	100 mm	130 mm
TURRENT	Type of turret	12	12	12
	Height of square tool	20 mm	20 mm	25 mm
	Dia of boring bar holder	40 mm	40 mm	40 mm
	3-jaw Chuck	8"	8"	10"
TAILSTOCK	Stroke of tailstock	435 mm	460/710 mm	460/710 mm
	Taper of tailstock	MT#5	MT#4	MT#4
	Tail sleeve stroke	100 mm	88 mm	88 mm
FEED SPEED	Rapid feed speed	X:20 / Z:24 m/min	X:24 / Z:24 m/min	X:24 / Z:24 m/min
MOTOR	Spindle motor	7.5 / 9 kw	11/15 kw	11/15 kw
	Lubricating oil motor	1.5 kw	1.5 kw	1.5 kw
	Cutting oil motor	0.37 kw	0.37 kw	0.37 kw
	Servo turrent motor	3.7 / 5.5 kw	3.7 / 5.5 kw	3.7 / 5.5 kw
POWER	Hydraulic pressure	25 KVA	30 KVA	30 KVA
OIL TANK CAPACITY	Lubricating oil	1.8 L	1.8 L	1.8 L
	Cutting oil	50 L	50 L	50 L
MACHINE	Floor space (L x W)	3150 x 1610 mm	2300 / 3100 x 1500 mm	2300 / 3100 x 1500 mm
	Net weight	4100 kg	4200 / 4800 kg	4200 / 4800 kg

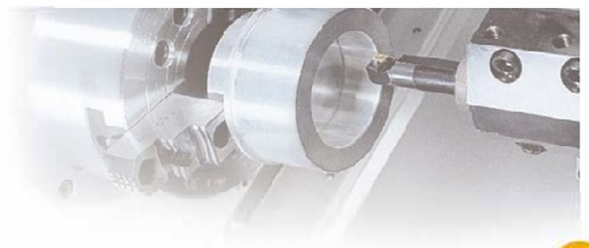
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STANDARD ACCESSORIES

- Servo turret
- Hydraulic chucks (Hard Jaw 1 set and Soft Jaw 3 sets)
- OD tool holders 2 sets
- ID tool holders 3 sets
- U-drill tool holder 1 set
- ID sleeves ØM6, M8, M10, M12, M16, M20, M25 1 pc/each
- U-sleeves ØM16, M20, M25, M32 1 pc/each
- MT2 / MT3 sleeves 1 pc/each
- Tailstock (Semi-Auto)
- Full enclosure
- Tools and box
- Automatic lubrication system
- Chip conveyor
- C axis and VDI power turret
- FANUC controller

OPTIONAL ACCESSORIES

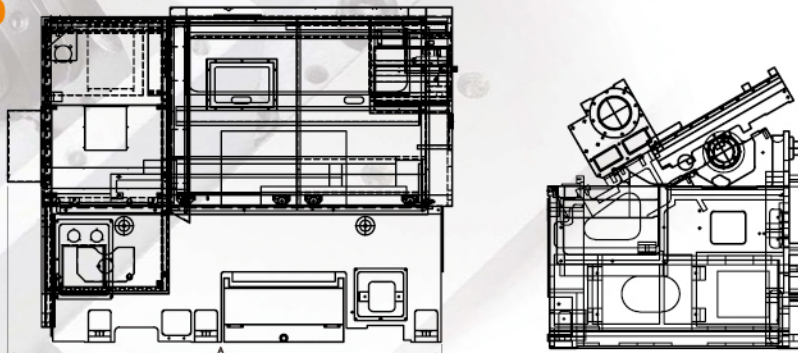
- Automatic front door
- Automatic bar-feeder
- Sleeve chuck
- Part catcher
- Programmable tailstock
- Tool probe
- SIEMENS controller



MACHINE DIMENSIONS

MT-200

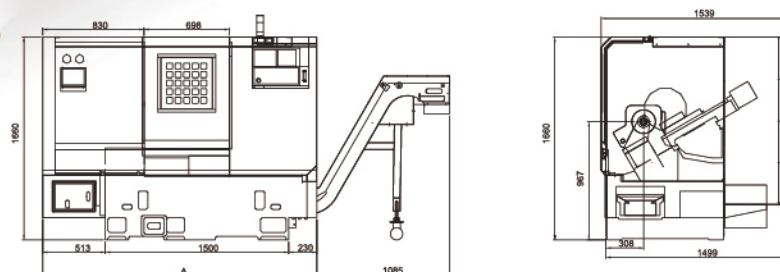
unit:mm



Z axis Spec	530	530
A	2950	3250

MT-208

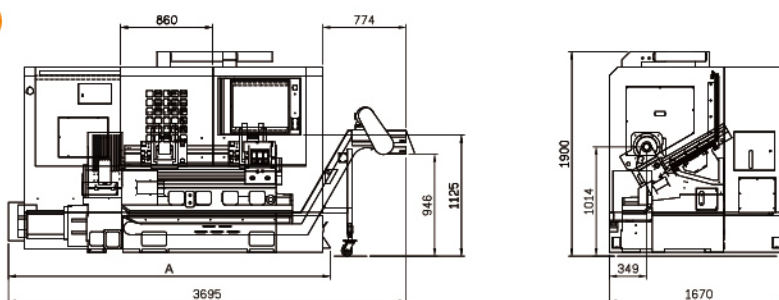
unit:mm



Z axis Spec	500	750
A	2300	3100

MT-210

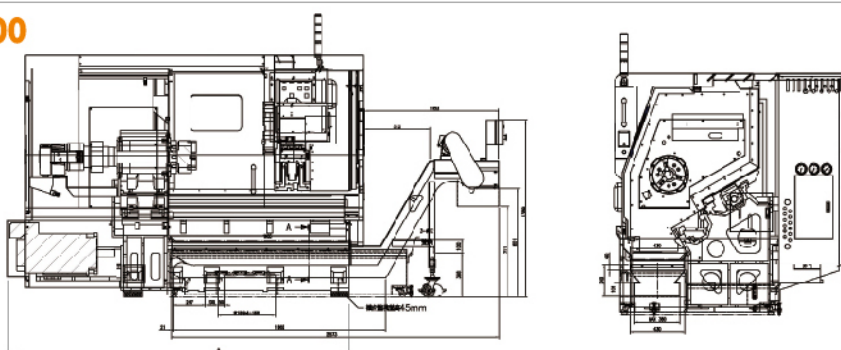
unit:mm



Z axis Spec	500	750
A	2300	3100

MT-300

unit:mm



Z axis Spec	600	1050
A	3850	4400



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