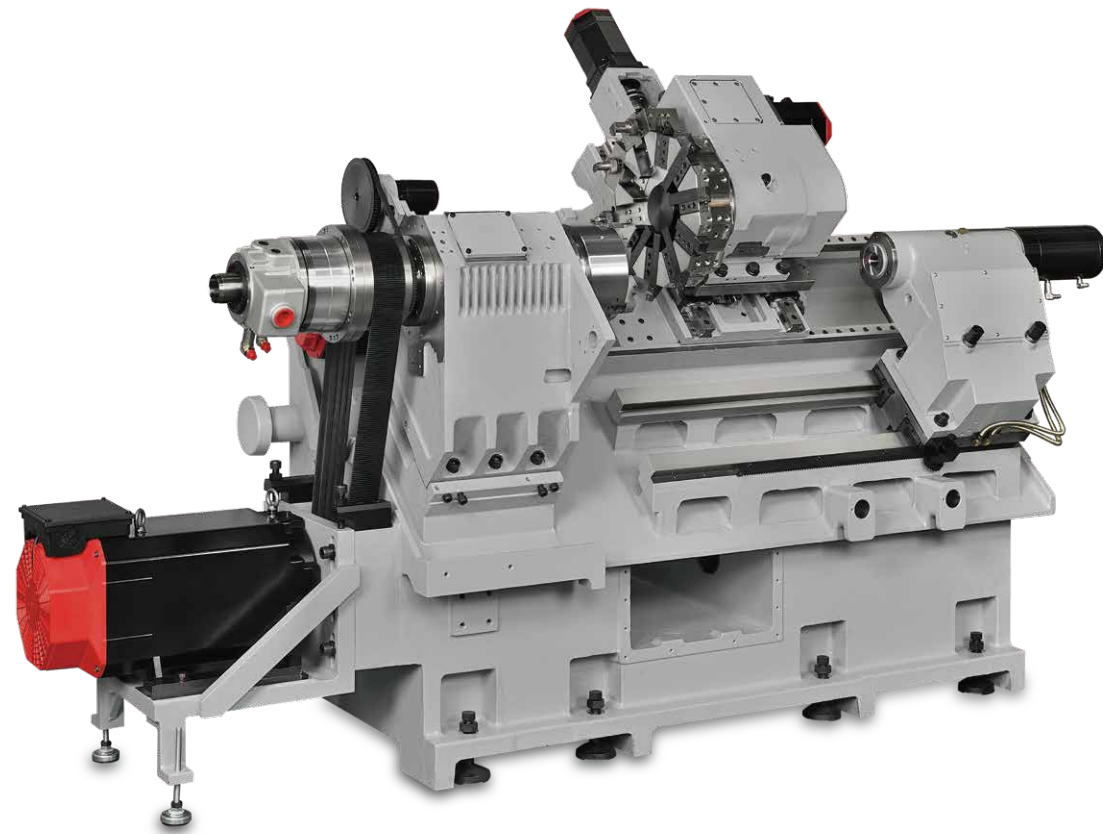




Slant Bed Linear Way CNC Lathe



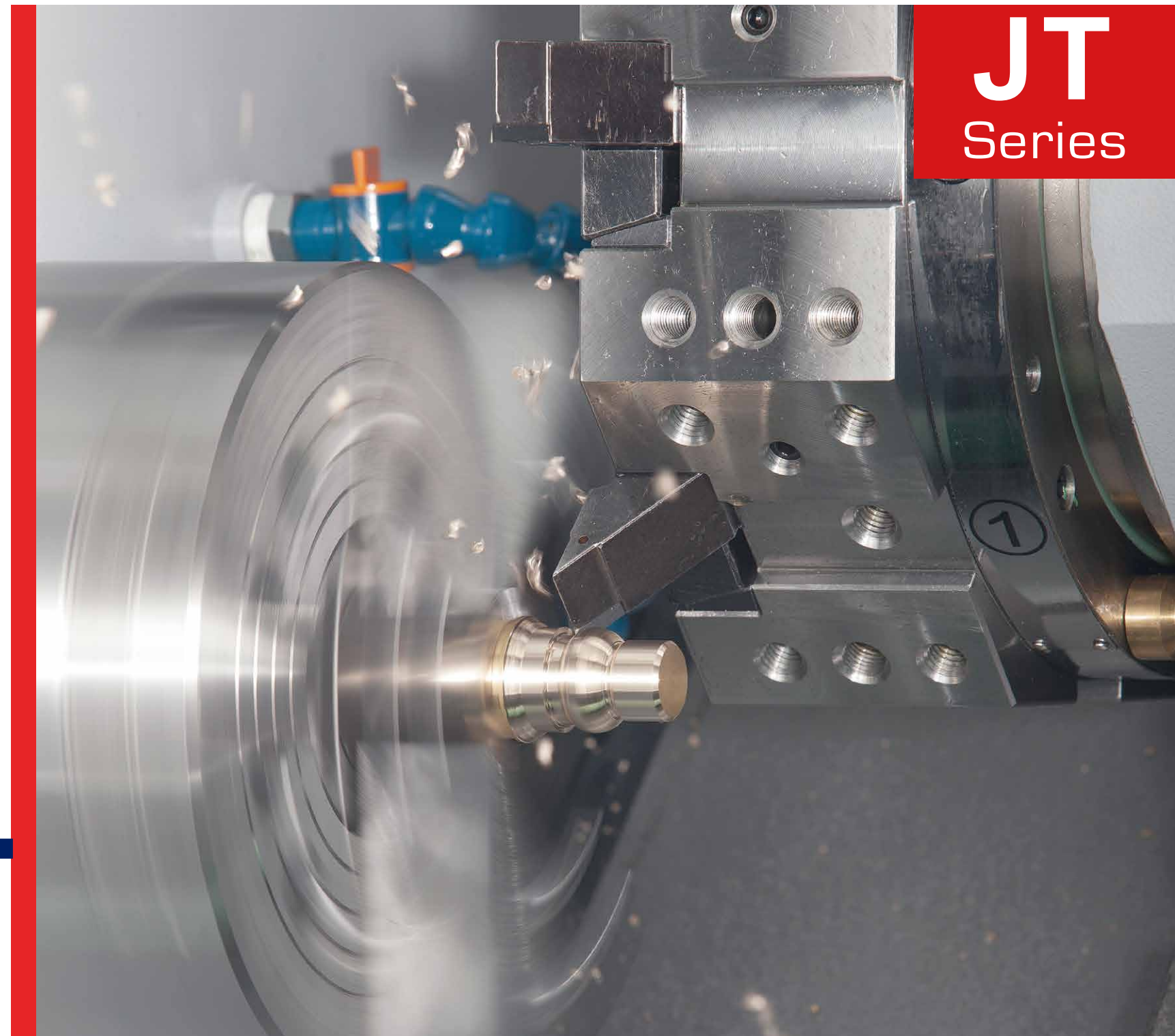
鉅基科技股份有限公司
ACCUWAY MACHINERY CO., LTD.

42942台灣台中市神岡區豐工中路31號

No.31, Fenggong Central Rd., Shengang Dist., Taichung City 42942, Taiwan

TEL: 886-4-2520-9588 FAX: 886-4-2520-9716

E-mail: market@accuway.com.tw



45° Slant Bed Design

The integral type lathe bed makes the machine more rigid and stable. The 45 degree slant bed is very convenient to discharge chips.

Belt Type Driven Spindle

Spindle is supported by a double row of taper roller bearings in the front and rear side to resist axial cutting force, while self-alignment angular contact bearings provide tremendous radial load capacity. Precise balance is performed on each spindle to reduce the vibration and runout by enhancing performance and overall quality.



Spindle Run-in Test

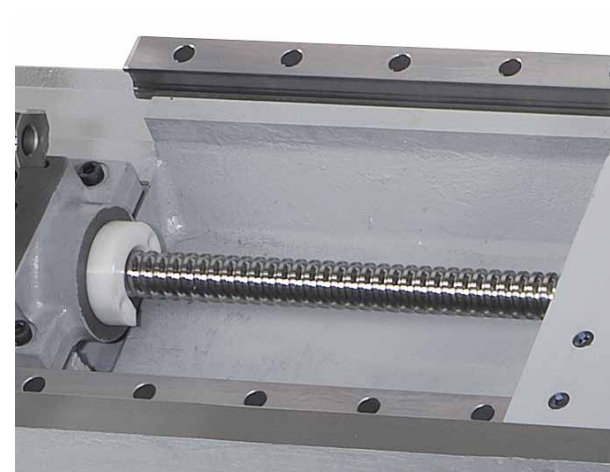


Skilled Hand Scraping Process

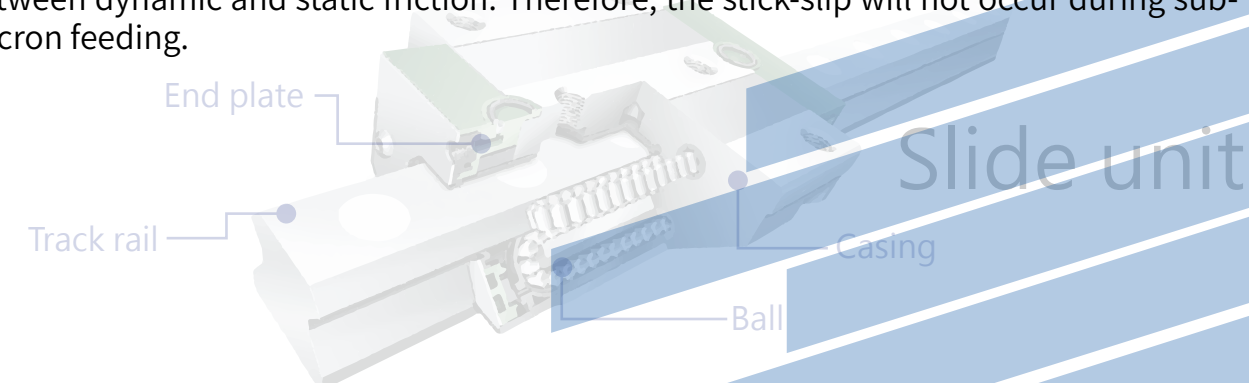
During assembly process, flatness, perpendicularity and straightness is regularly checked and skilled hand scrapped to deliver the excellent geometry accuracy that Accuway lathes are renowned for.

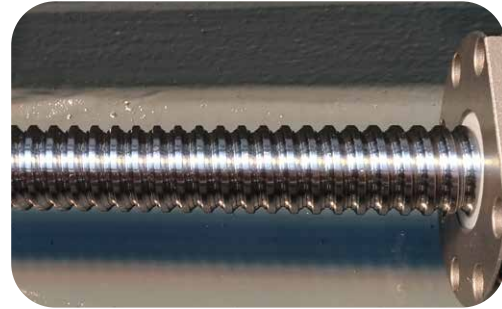


High-Precision Linear Guide Way Design



Linear guide way design provides low friction coefficient, and minimize the difference between dynamic and static friction. Therefore, the stick-slip will not occur during sub-micron feeding.



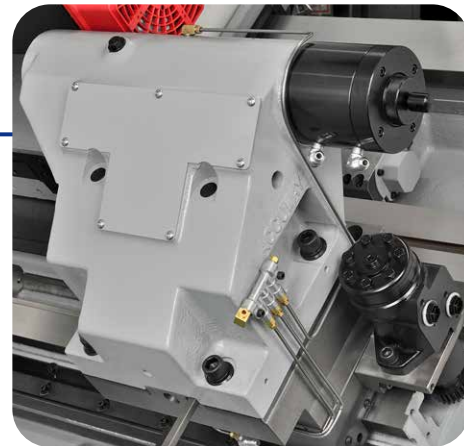


Ball screw Drive Mechanism

- ▶ Oversized AC servo motors are used to deliver powerful thrust for high feedrates and accurate cutting. Large diameter pre-tensioned precision ballscrews are directly connected to the drive mechanism for nearly backlash free movement.

Programmable Tailstock

- ▶ The tailstocks on the JT series machines can be either manually or automatically programmable controlled. They are located on the same one-piece cast guideway surface as the headstock and main spindle.

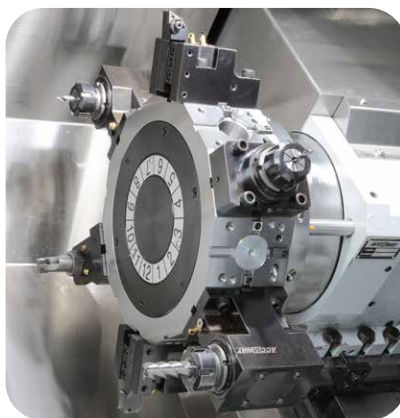


Precision In-house Turret Assembly

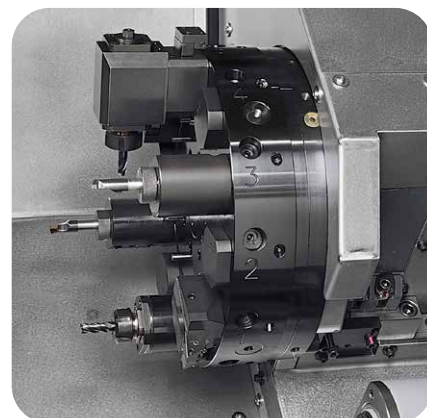
- ▶ All turrets are built with robust design and both hydraulic and servo-mechanical power turrets are available to cover a wide range of application including an optional BMT turret.



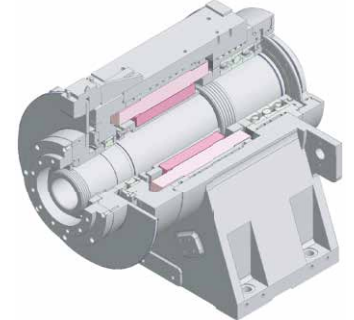
Hydraulic Turret



BMT Servo Mechanical Turret



VDI Servo Mechanical Turret



Precision In-house Headstock Assembly

- ▶ Thermally symmetrical designed cast iron head stock diminishes distortion and dissipate heat evenly providing stable accuracy on work pieces even in continuous high speed machining. Tailor-made precision belt driven spindles are assembled in-house to provide unsurpassed power, long term durability, and peak machining capability.



BMT (VDI) Power Turret

- ▶ With live tooling capability for drilling, milling, tapping and turning you are now able to maintain precision and increase productivity without having to transfer parts to another machining station.

Renishaw Tool Setting

- ▶ With this optional tool setter from Renishaw you can set your tool and then quickly remove it for a fast and accurate production operation to achieve 5μm repeatability accuracy.

Parts Catcher

- ▶ A hydraulic parts catcher is available to quickly and automatically transfer parts to an outside collection box or peripheral automation station.

Steady Rest

- ▶ The steady rest for long workpieces can be programmed for maintaining concentricity and accuracy during machining. Travel is either programmable or manual.

Controller

- ▶ FANUC is standard Mitsubishi and SIEMENS are available optionally.

FANUC



MITSUBISHI ELECTRIC
Changes for the Better



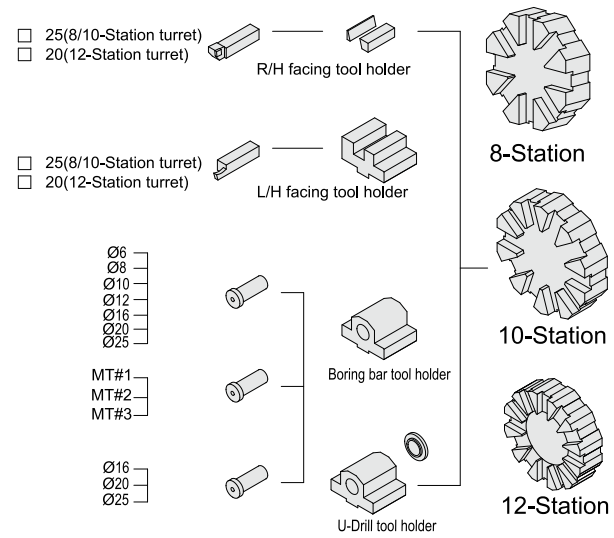
SIEMENS



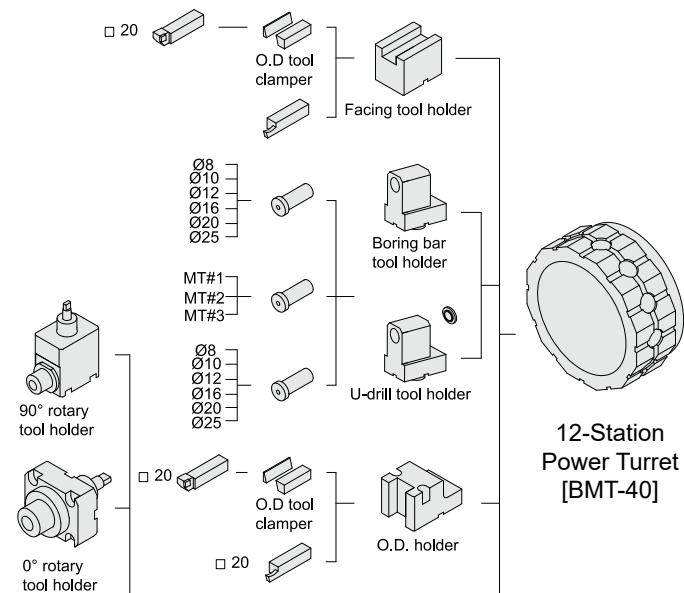
Tooling System

Unit: mm

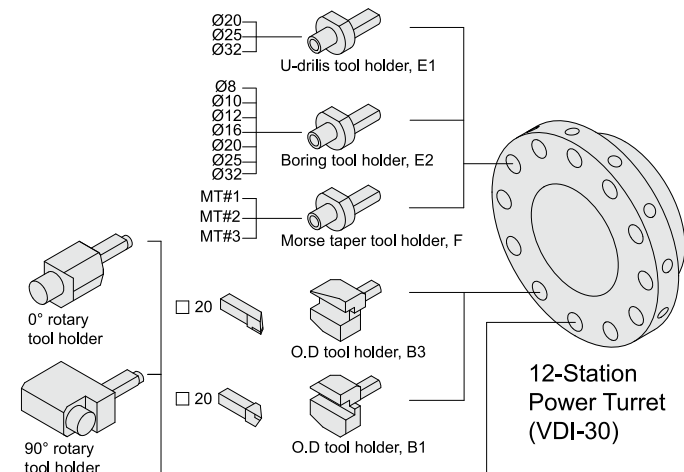
■ JT Series Block Tooling System



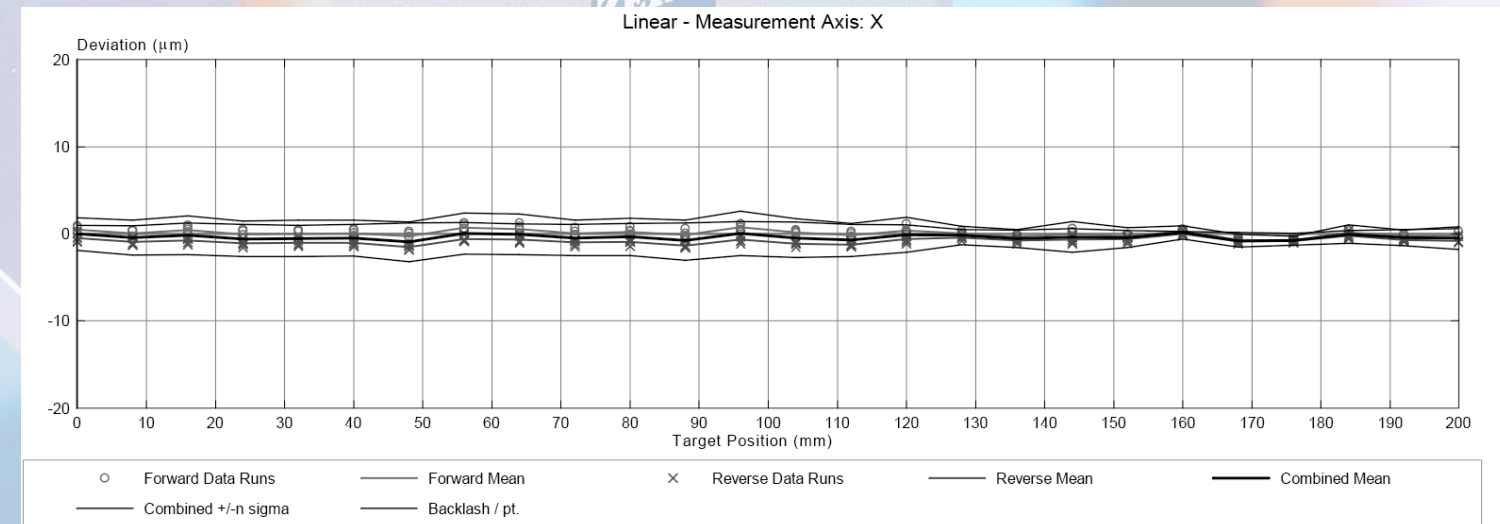
■ JT Series BMT-40 Tooling System



■ JT Series VDI-30 Tooling System

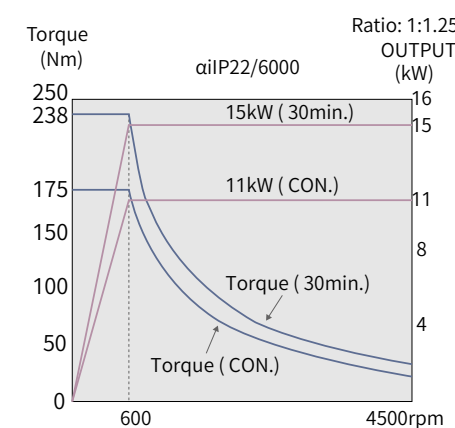


Positioning Accuracy & Repeatability

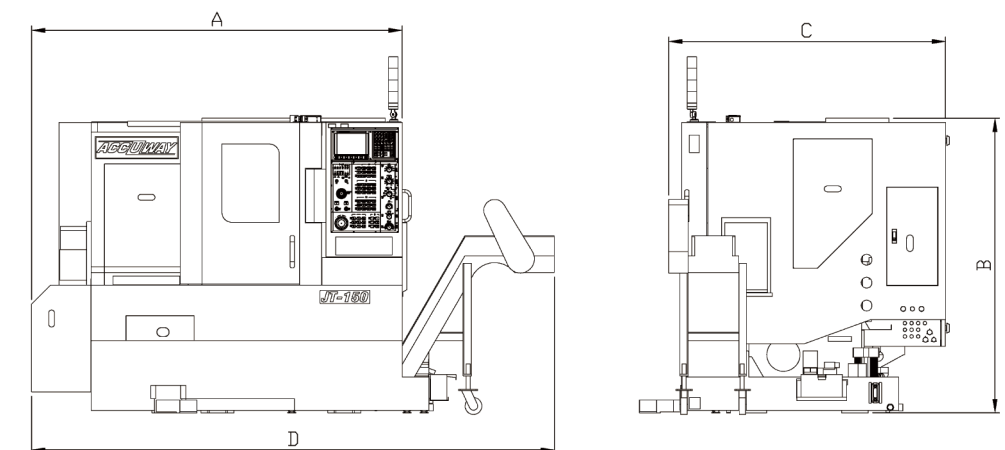


ISO 13041-4	Positioning Accuracy(VDI 3441)(µm)		Repeatability(VDI 3441)(µm)	
	X	Z	X	Z
JT-150	10	10	6	6
JT-200	5	5	3	3

Spindle Torque Diagram



Machine Dimensions

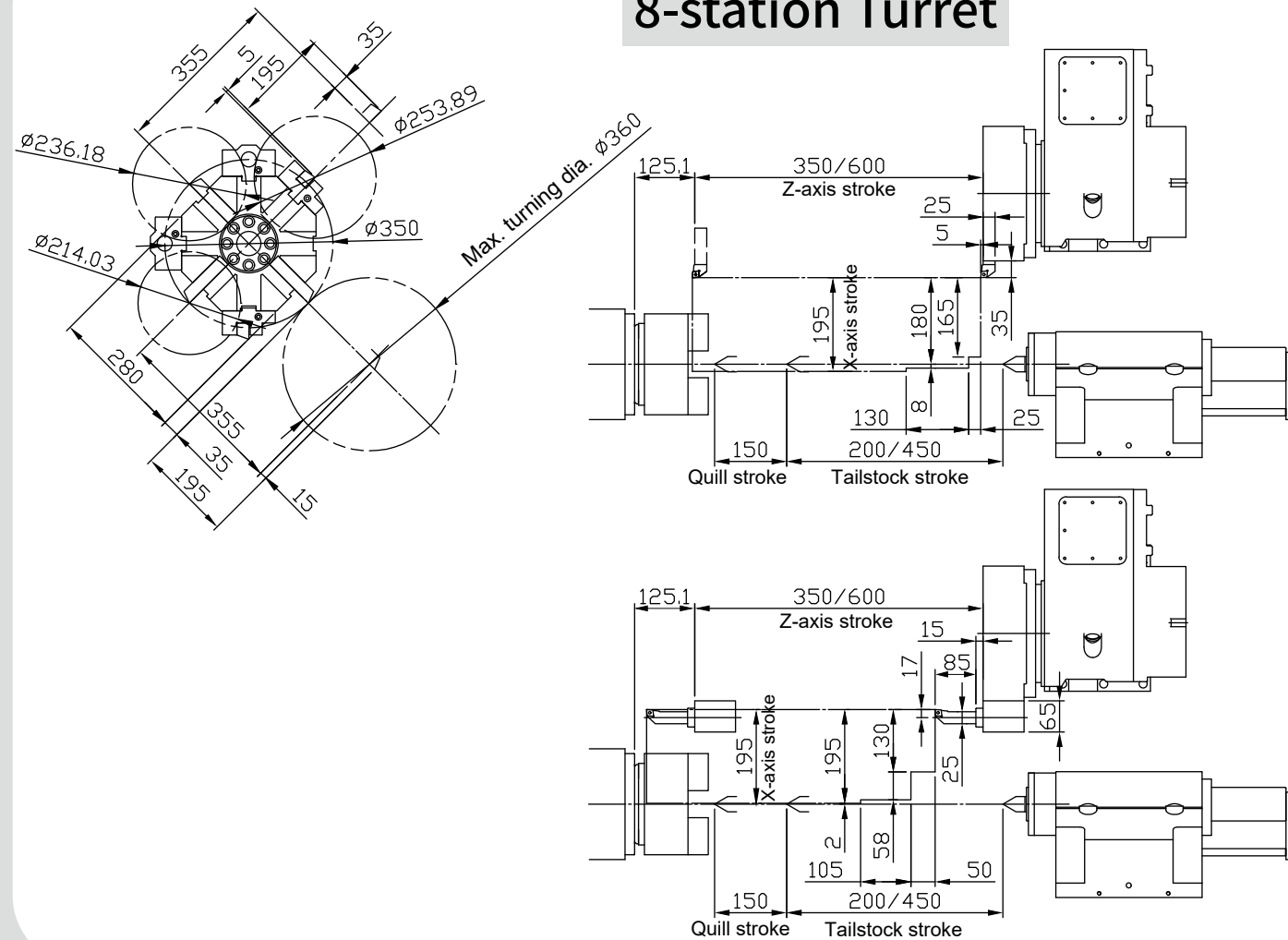


	A	B	C	D
JT-150 (mm)	2235	1800	1700	3150
JT-200 (mm)	2485	1800	1700	3400

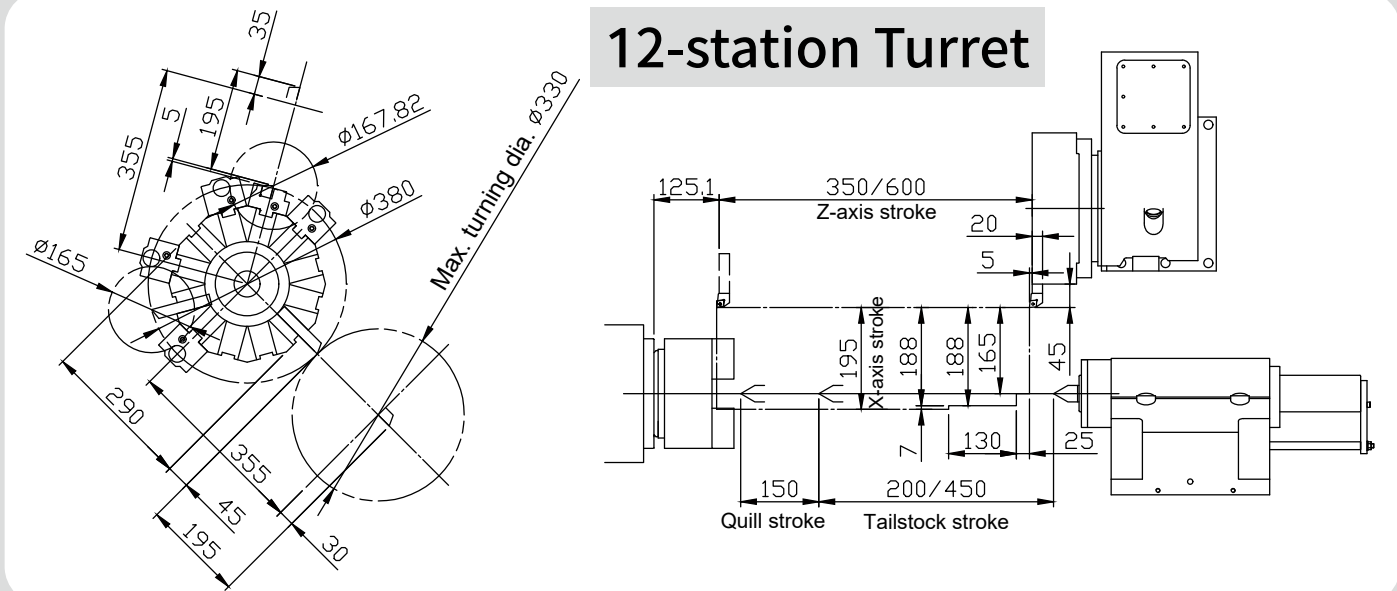
Working Range Diagram

Unit: mm

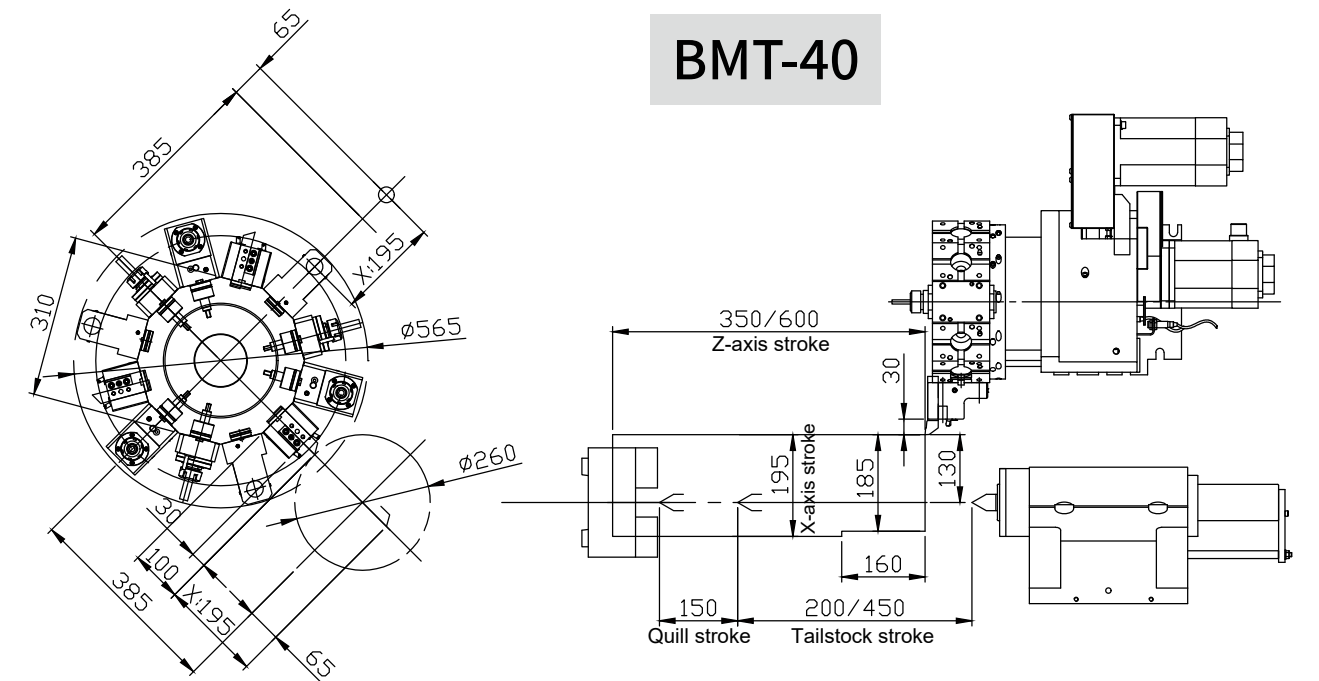
8-station Turret



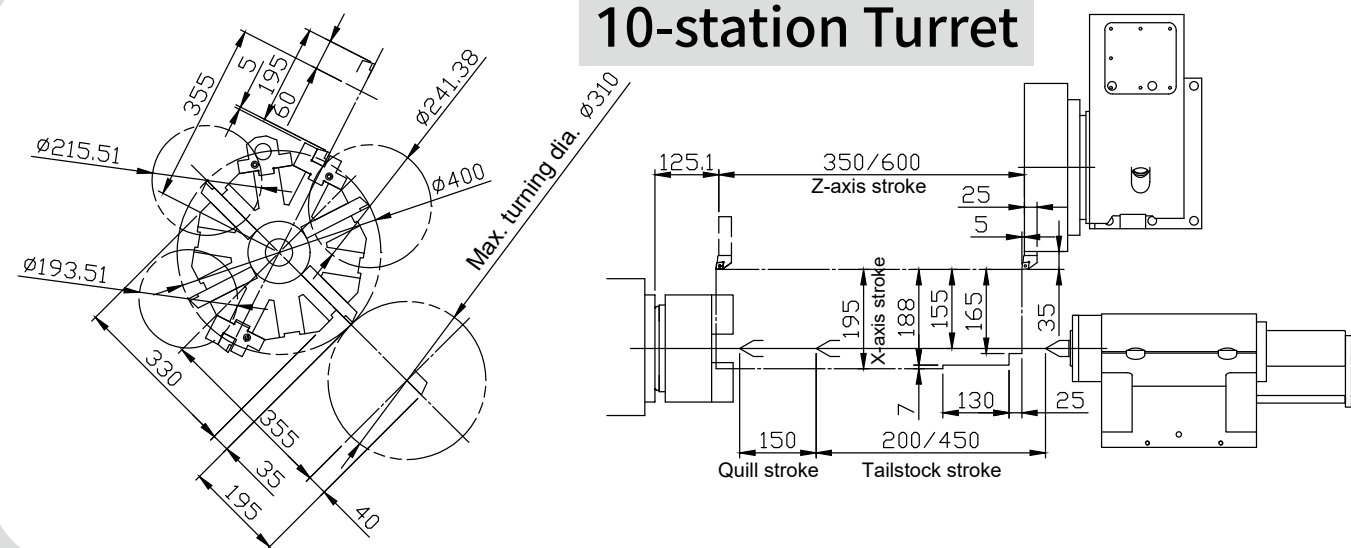
12-station Turret



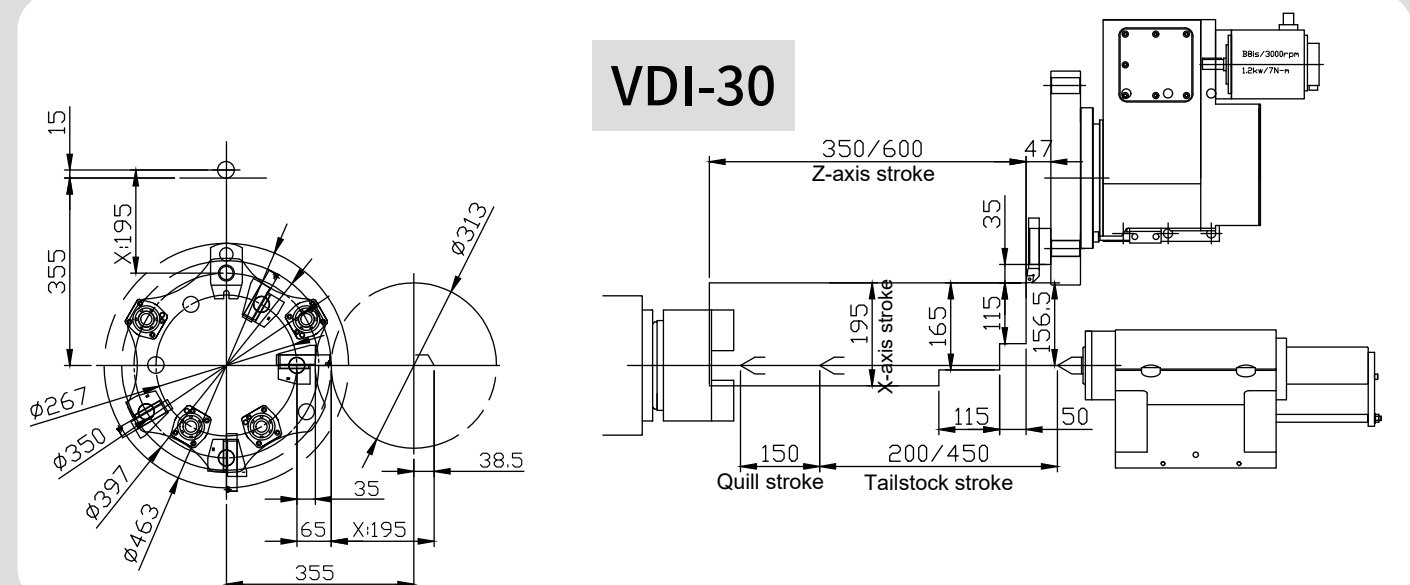
BMT-40



10-station Turret



VDI-30



JT-150



Item/Model		JT-150	JT-150M
Controller		FANUC 0i-T	
Swing over bed	mm	505	
Swing over saddle	mm	318	
Max. turning diameter	mm	300	230
Max. turning length	mm	310	200
Guide way type		Linear	
Spindle nose taper	ASA	A2-6(A2-5)	
Chuck diameter	inch	8(6)	
Bar capacity	mm	52/65(44)	
Spindle speed	rpm	4500/4000(6000)	
Spindle motor power(Cont. / 30min)	kW	11/15	
Z-axis travel	mm	350	
X-axis travel	mm	195	
Z-axis Rapid Traverse Rate	m/min	30	
X-axis Rapid Traverse Rate	m/min	30	
Tooling system		BOT	-
Turret driven type		Hydraulic/Servo	Servo-mechanical
Number of tools	station	8/10(12)	12
Square tool shank size	mm	25(20)	20
Round tool shank size	mm	32	
Max. Rotary Tool Speed	rpm	-	6000
Rotary Tool power	kW	-	4.5
Tailstock body travel	mm	200	
Quill travel	mm	150	
Quill diameter	mm	70	
Quill taper	MT#	4	
Machine dimension L x W x H	m	3.15 x 1.7 x 1.8	3.15 x 1.7 x 1.9
Net weight	kg	2900	3000

JT-200



Item/Model		JT-200	JT-200M
Controller		FANUC 0i-T	
Swing over bed	mm	505	
Swing over saddle	mm	318	
Max. turning diameter	mm	300	230
Max. turning length	mm	560	450
Guide way type		Linear	
Spindle nose taper	ASA	A2-6(A2-5)	
Chuck diameter	inch	8(6)	
Bar capacity	mm	52/65(44)	
Spindle speed	rpm	4500/4000(6000)	
Spindle motor power(Cont. / 30min)	kW	11/15	
Z-axis travel	mm	600	
X-axis travel	mm	195	
Z-axis Rapid Traverse Rate	m/min	30	
X-axis Rapid Traverse Rate	m/min	30	
Tooling system		BOT	-
Turret driven type		Hydraulic/Servo	Servo-mechanical
Number of tools	station	8/10(12)	12
Square tool shank size	mm	25(20)	20
Round tool shank size	mm	32	
Max. Rotary Tool Speed	rpm	-	6000
Rotary Tool power	kW	-	4.5
Tailstock body travel	mm	450	
Quill travel	mm	150	
Quill diameter	mm	70	
Quill taper	MT#	4	
Machine dimension L x W x H	m	3.4 x 1.7 x 1.8	3.4 x 1.7 x 1.9
Net weight	kg	3200	3300

■ Specifications are subject to change without prior notice.