



High Performance Turning Center

UT-360/380 Series



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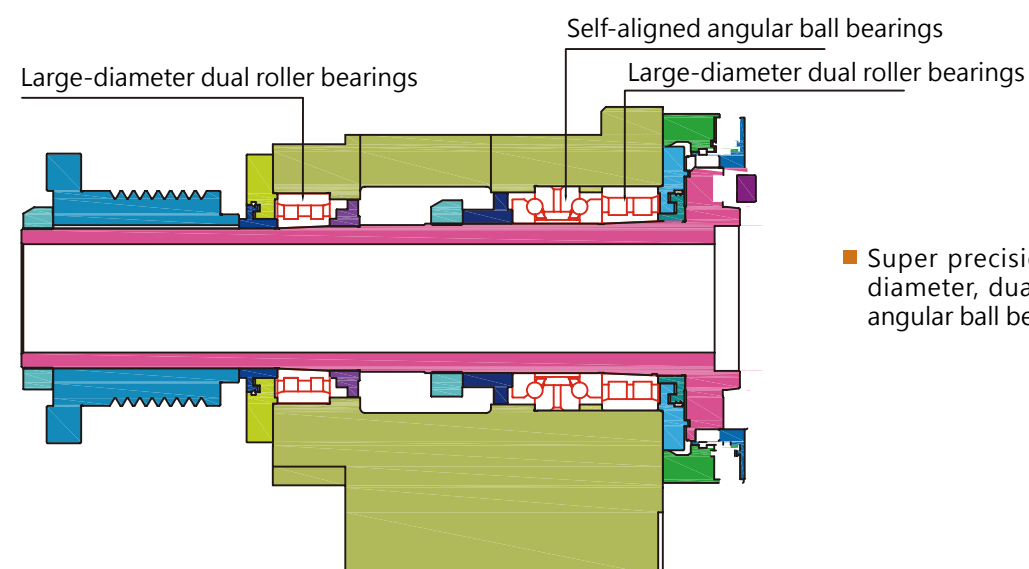
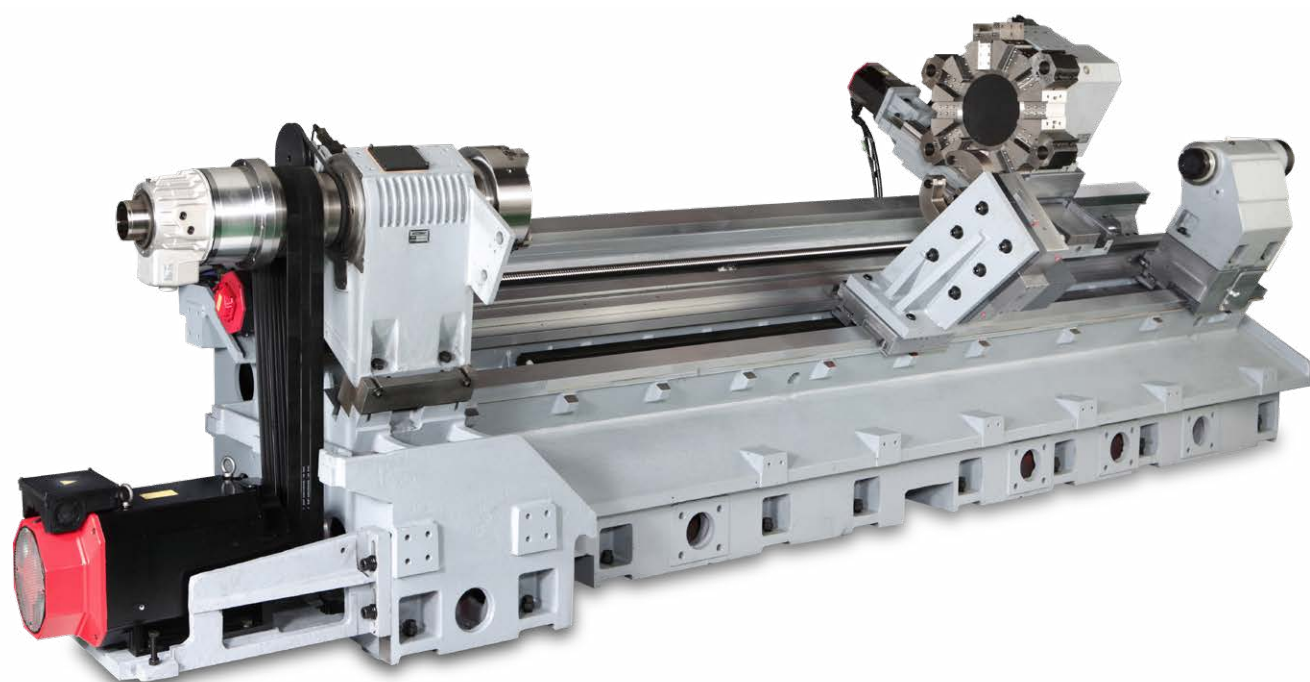
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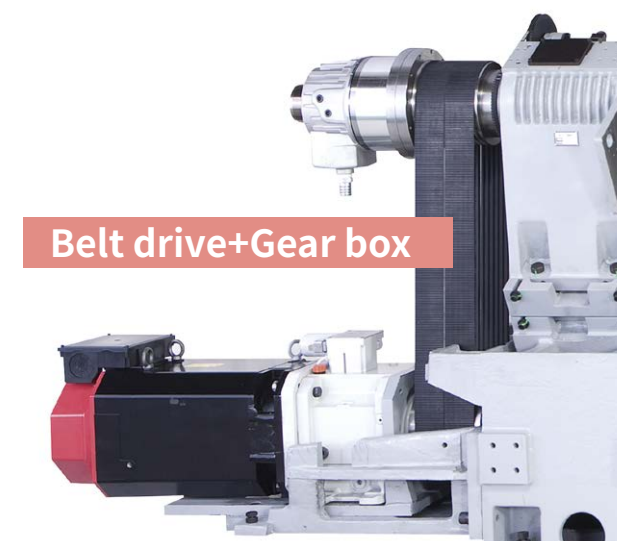
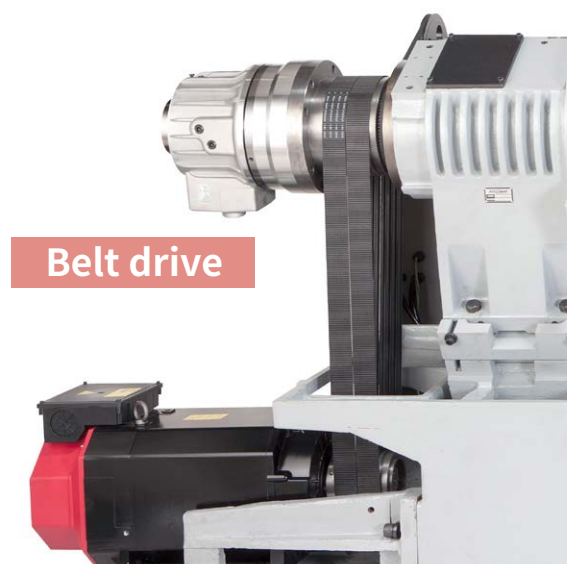




- ★ 30-degree slant bed, 750 mm swing, and length from 630 mm to 3062 mm.
- ★ The heavily ribbed one-piece bed and box way casting is made of a fine-grain Meehanite that is heat treated and ground to attain the hardness of HRC53.
- ★ Each sliding surface is coated with Turcite-B and hand scraped to provide maximum precision and rigidity.
- ★ The large 12 station heavy duty turret is designed with a large diameter Curvic coupling and hydraulic clamp force.



- Super precision spindle is supported by large diameter, dual roller bearings and self-aligned angular ball bearings.

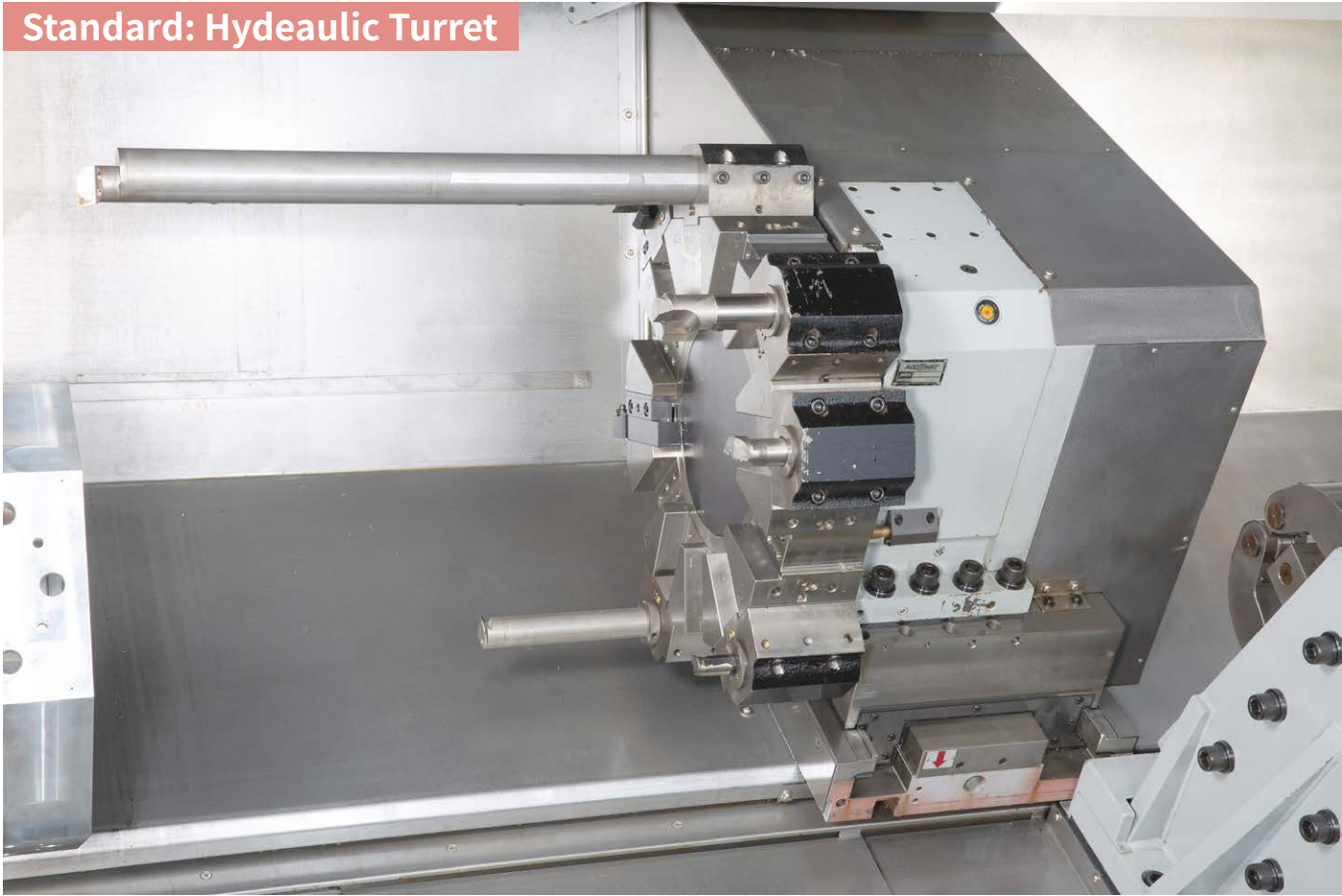


The CS Contouring function controls the position of the serial spindle using the spindle in conjunction with a dedicated detector mounted on the spindle.



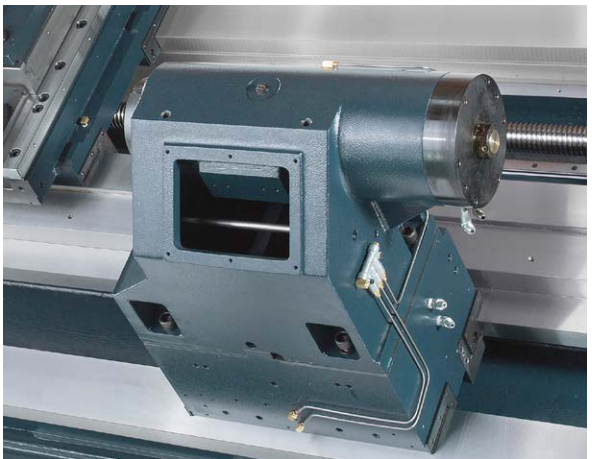
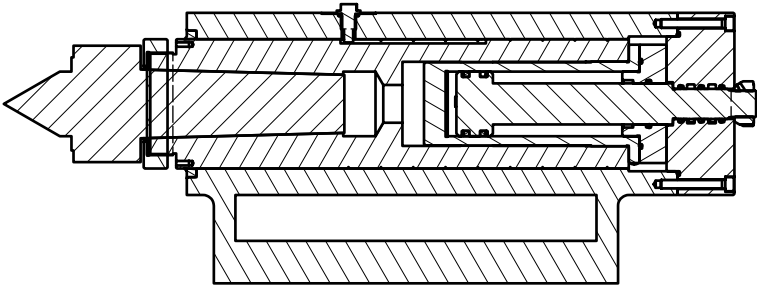
Spindle rotation position control is realized by the servo motor like other axes.

Standard: Hydeaulic Turret



The high precision MT-6 Tailstock

A rack and pinion mechanism drives the heavy duty MT-6 tailstock on the UT-360/UT-380 series using its high torque to deliver powerful positional locking.



Steady rest

To prevent longitudinal deflection induced by work piece weight, hydraulic controlled automatic or manual steady rest is available as an option to maintain cutting precision for large and long workpiece.

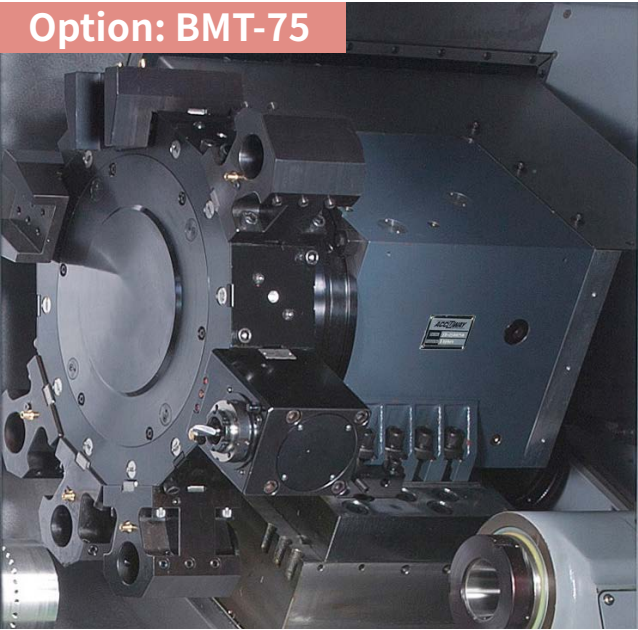
Precision in-house Turret Assembly

All turrets are built with care and we provide both hydraulic, servo and BMT-60/BMT-75 servo mechanical power turret to cover a wide range of needs including an optional BMT turret.

Option: BMT-60



Option: BMT-75

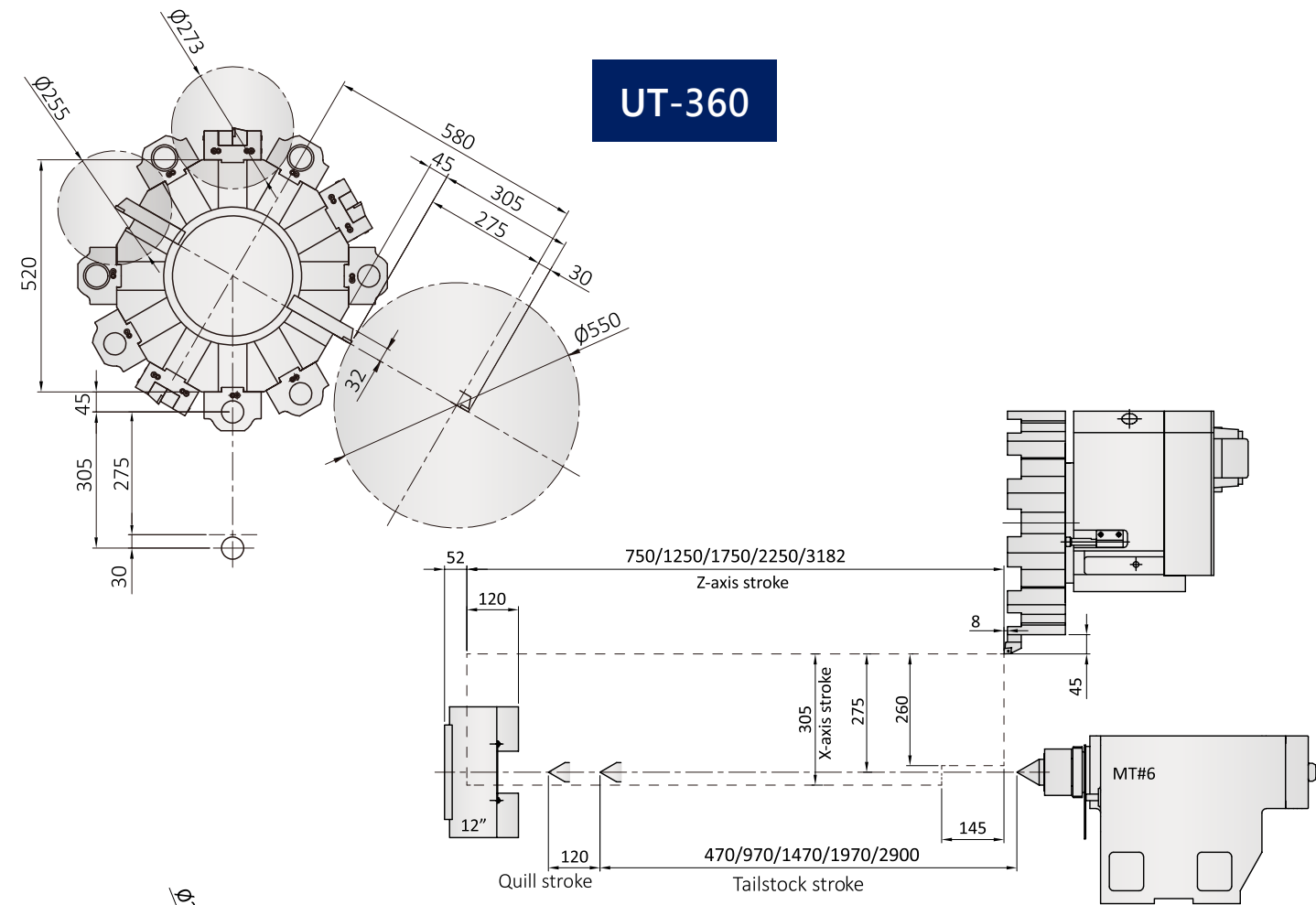


Manual Steady rest

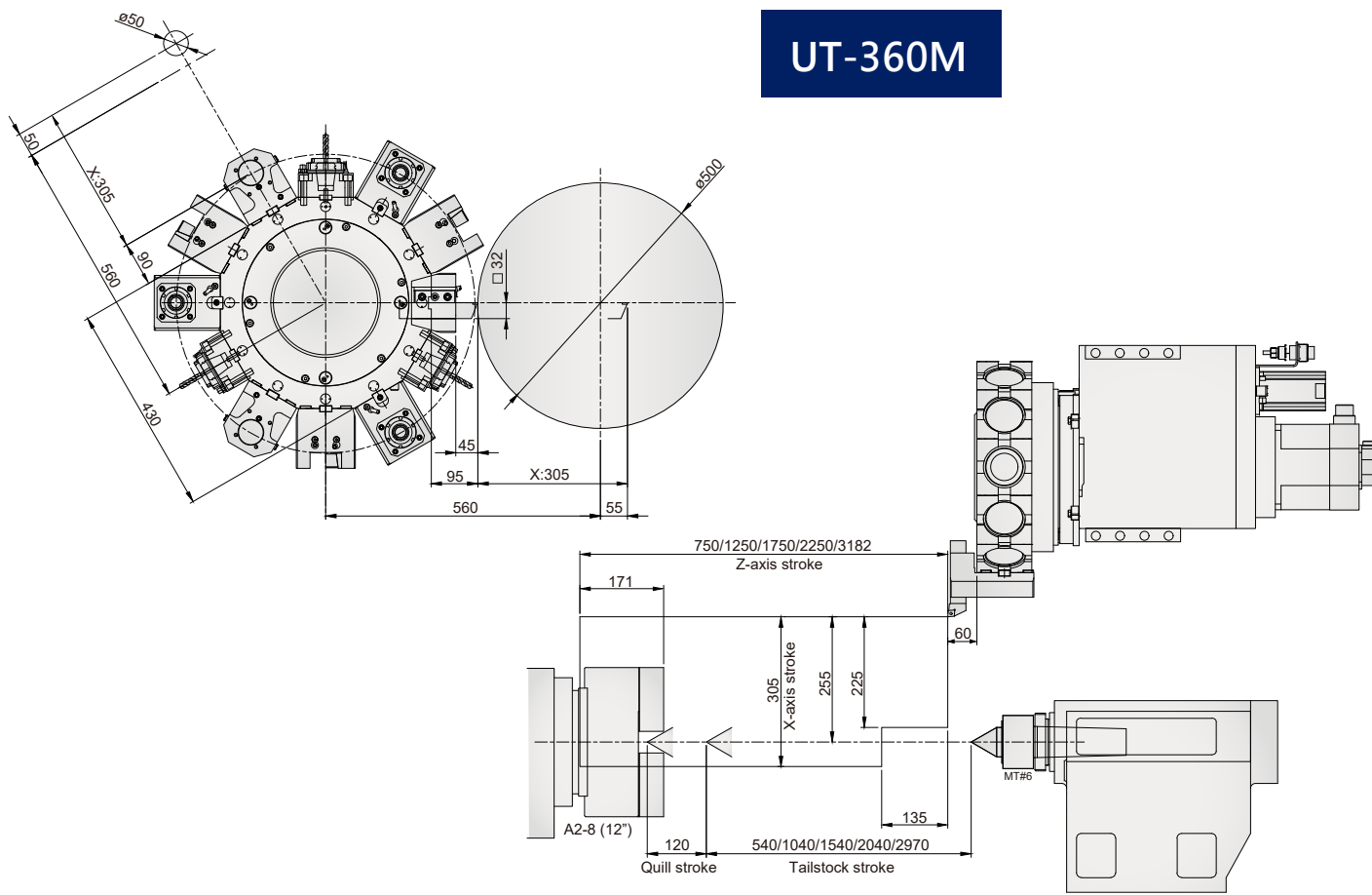


Hydeaulic Steady rest

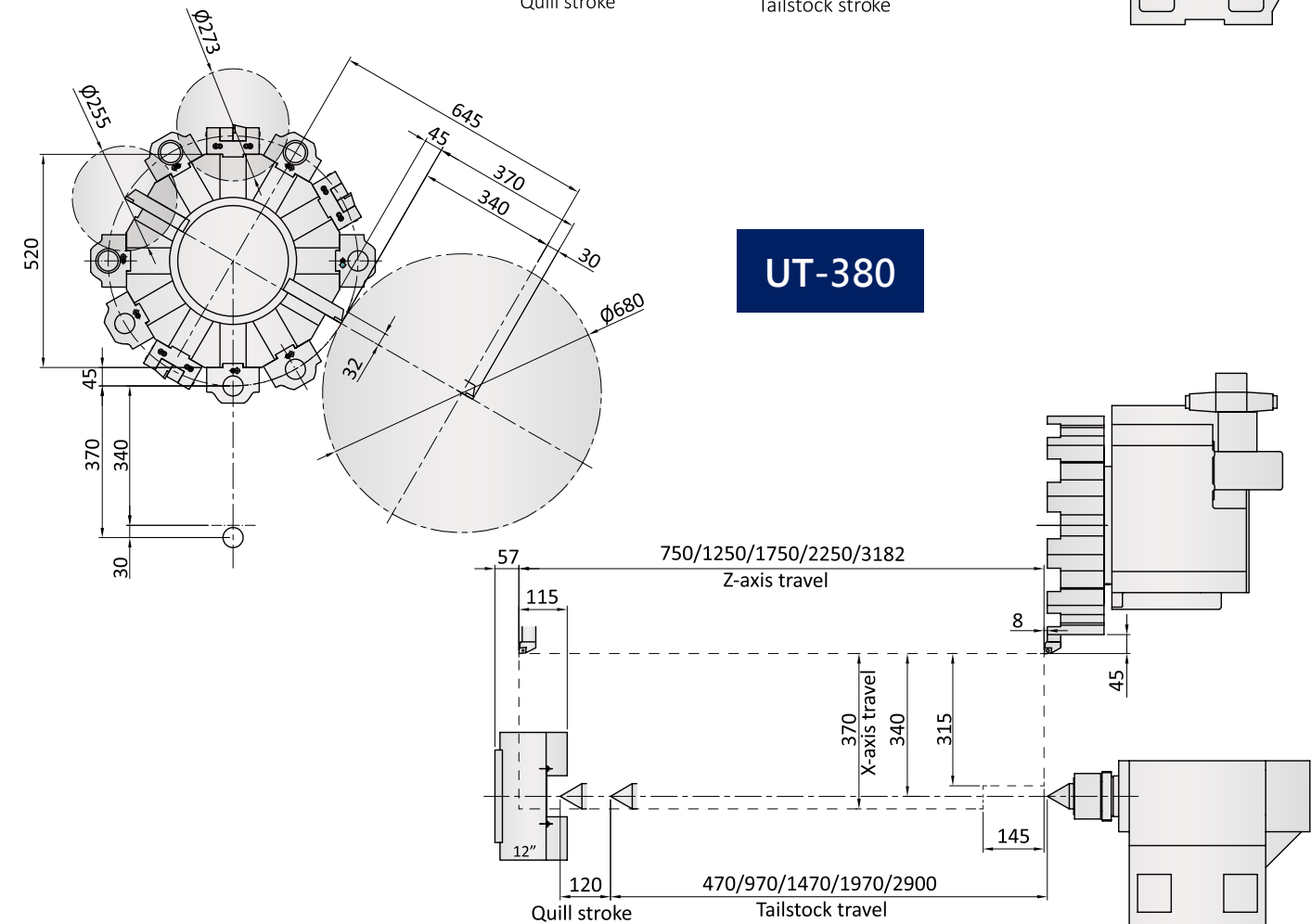
UT-360



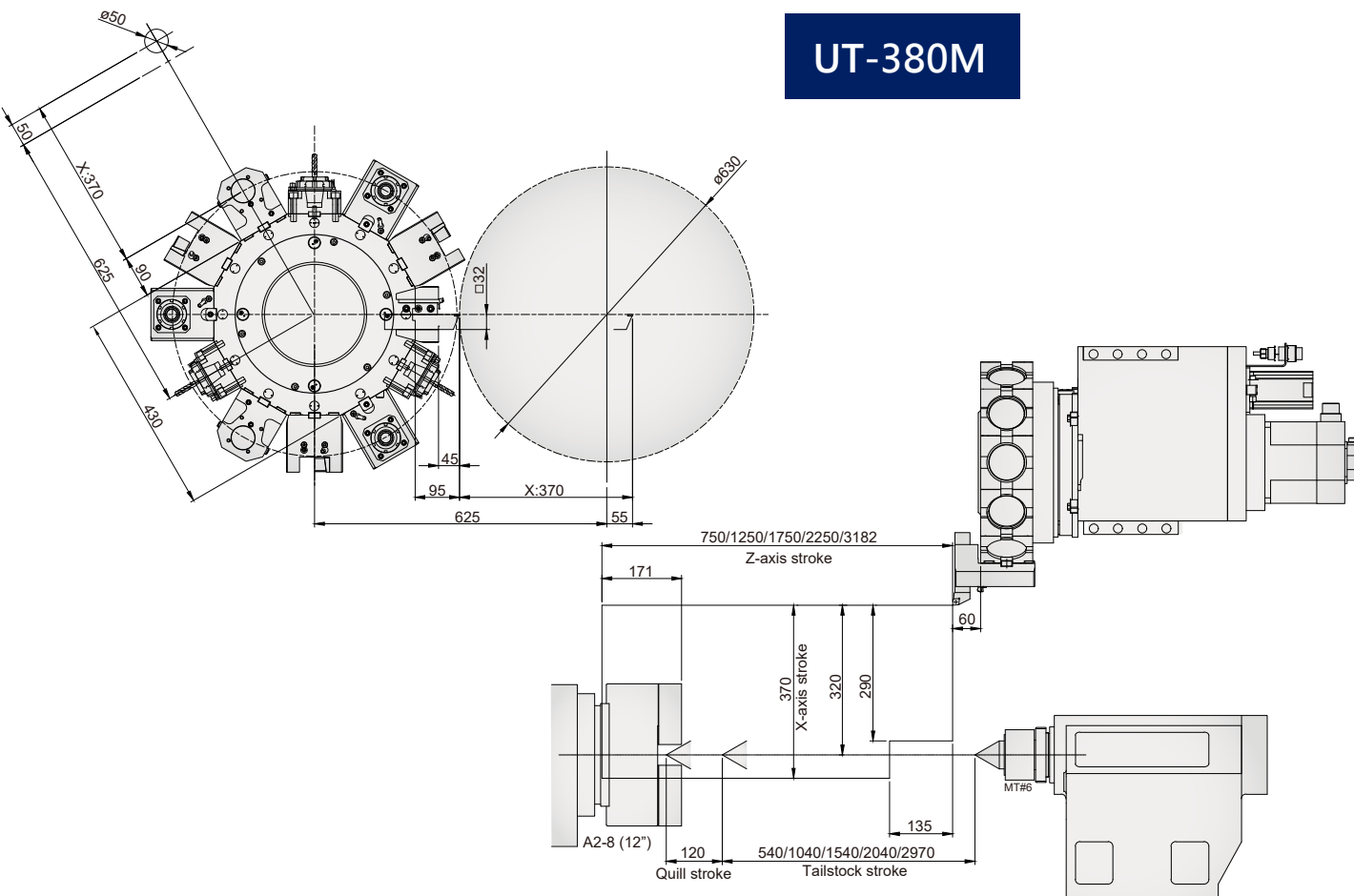
UT-360M

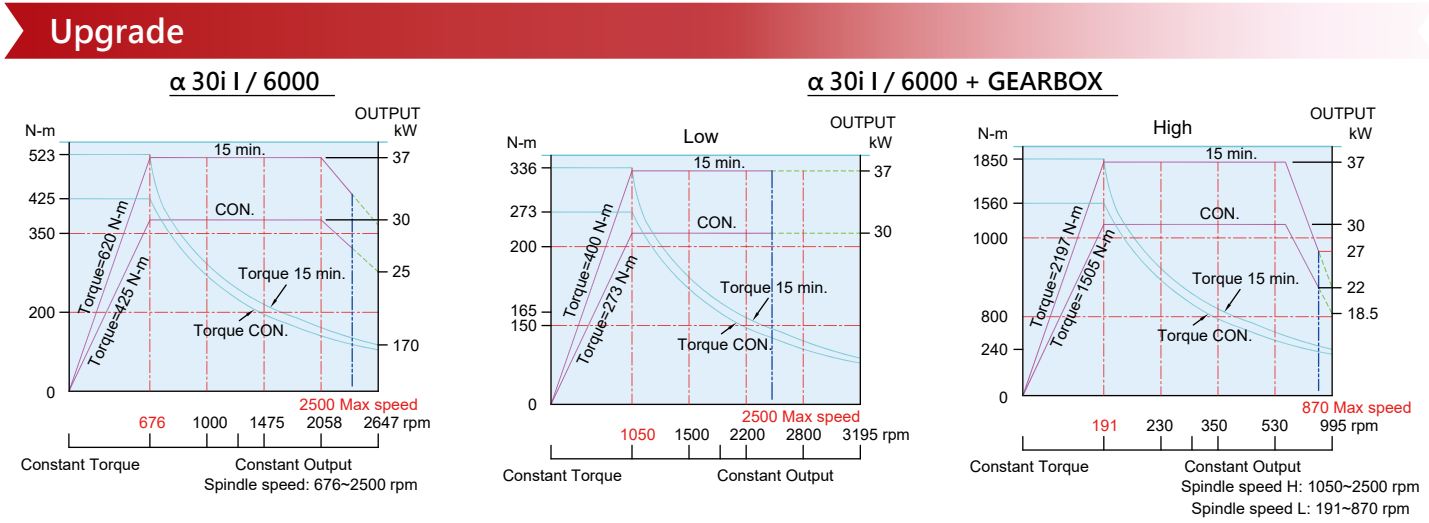
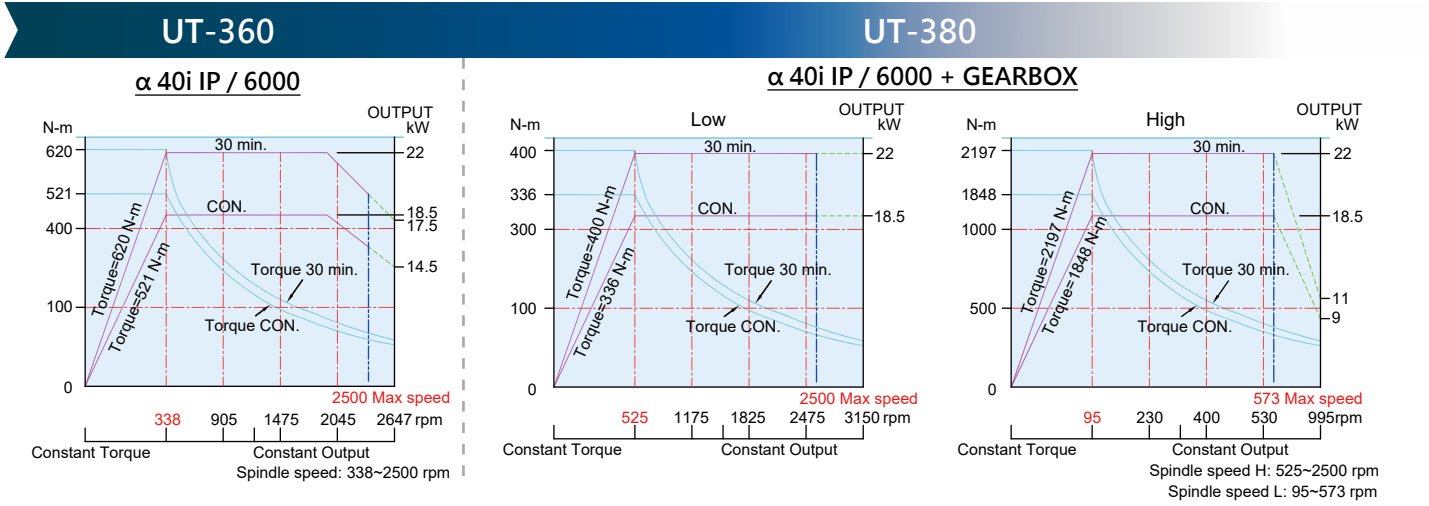
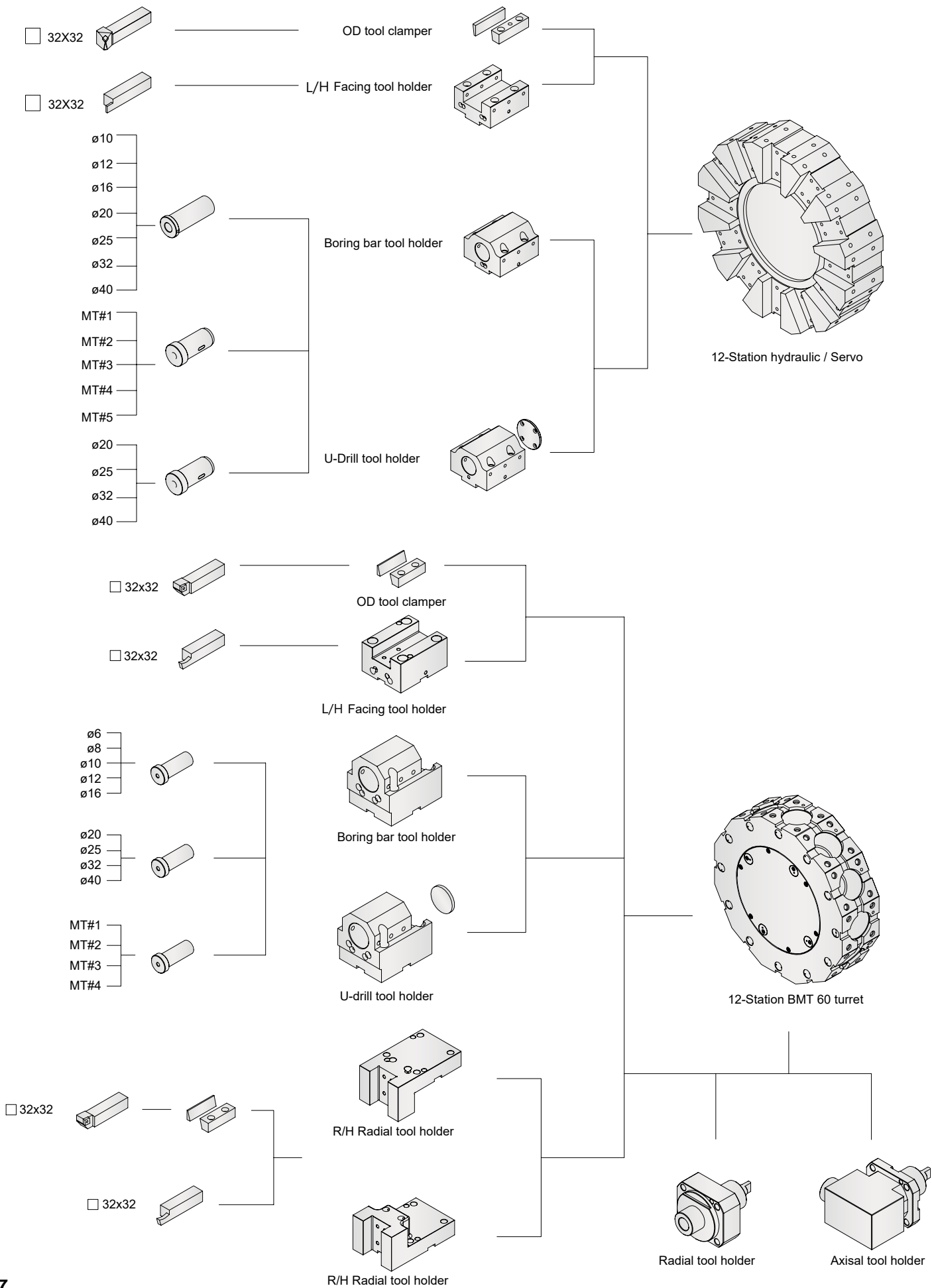


UT-380

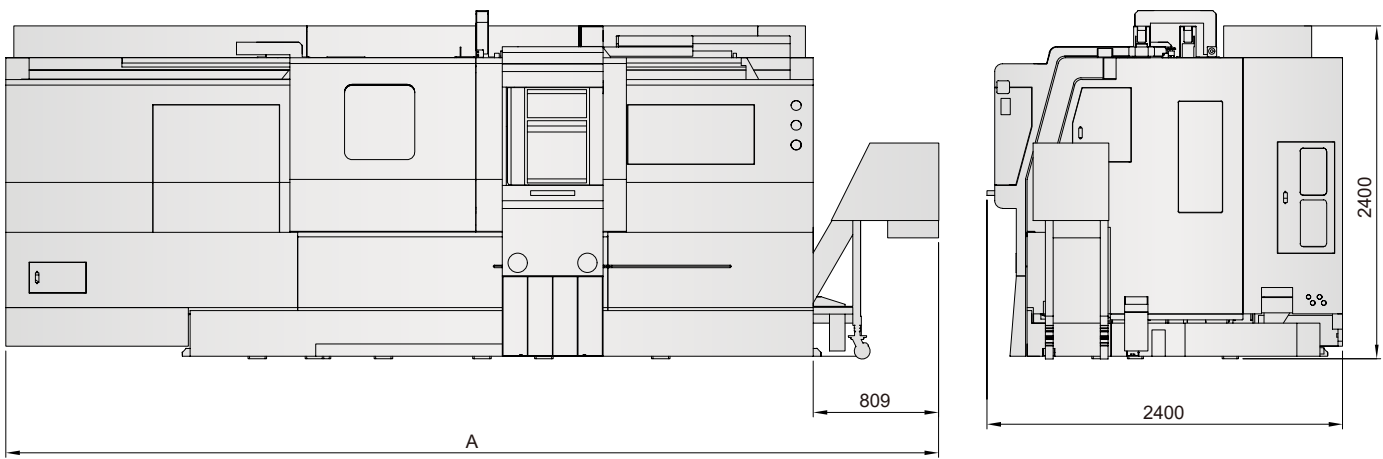


UT-380M





Machine Dimensions



MODEL	UT-360	UT-360L	UT-360LX	UT-360LX2	UT-360LX3
A(mm)	4300	4800	6050	6400	7900

MODEL	UT-380	UT-380L	UT-380LX	UT-380LX2	UT-380LX3
A(mm)	4300	4800	6050	6400	7900



Machine Specification

ACCURACY IS MY WAY

ITEM/MODEL		UT-360	UT-360L	UT-360LM	UT-360LX	UT-360LX2	UT-360LX3
Controller		FANUC 0i-T					
CAPACITY							
Swing over bed	mm	750					
Swing over saddle	mm	600					
Max. Spindle turning diameter	mm	540					
Max. turning length	mm	630 (550)	1130 (1050)	1040 (960)	1630 (1550)	2130 (2050)	3062 (2982)
Guide way type		Box					
MAIN SPINDLE							
Spindle Nose	ASA	A2-8 (A2-11)					
Chuck Diameter	inch	12 (15)					
Bar capacity	mm	90 (105/116.5)					
Spindle Speed	rpm	2700 (2500/2000)					
Spindle Motor Power (Cont. / 30min)	kW	18.5/22 (30/37)					
TRAVELS							
X-axis Travel	mm	305					
Z-axis Travel	mm	750	1250	1250	1750	2250	3182
Feeds							
X-axis Rapid Traverse Rate	m/min	20					
Z-axis Rapid Traverse Rate	m/min	20				15	10
TOOL TURRET							
Tooling System		BOT		BMT-75	BOT		
Turret Driven Type		Hydraulic/Servo		Servo mechical	Hydraulic/Servo		
Number Of Tools	station	12					
Square Tool Shank Size	mm	32					
Round Tool Shank Size	mm	50					
Max. Rotary Tool Speed	rpm	-		4000	-		
Rotary Tool Driver Power	kW	-		5.5	-		
TAILSTOCK							
Tailstock body travel	mm	540	1040		1540	2040	3040
Quill travel	mm	120					
Quill diameter	mm	120					
Quill taper hole	MT#	6					
DIMENSIONS							
Machine Dimension L x W x H	m	4.3 x 2.2 x 2.2	4.8 x 2.2 x 2.2		6 x 2.2 x 2.3	6.4 x 2.2 x 2.3	7.9 x 2.2x 2.3
Net Weight	kg	6200	7000		8000	9500	11000

ITEM/MODEL		UT-380	UT-380L	UT-380LX	UT-380LX2	UT-380LX3
Controller		FANUC 0i-T				
CAPACITY						
Swing over bed	mm	850				
Swing over saddle	mm	700				
Max. Spindle turning diameter	mm	680				
Max. turning length	mm	630 (550/490)	1130 (1050/990)	1630 (1550/1490)	2130 (2050/1990)	3062 (2982/2922)
Guide way type		Box				
MAIN SPINDLE						
Spindle Nose	ASA	A2-8 (A2-11/A2-15)				
Chuck Diameter	inch	12 (15/18)				
Bar capacity	mm	90 (105/116.5/166.5)				
Spindle Speed	rpm	2700 (2500/2000/1800)				
Spindle Motor Power (Cont. / 30min)	kW	18.5/22 (30/37) + 2-step gearbox				
TRAVELS						
X-axis Travel	mm	370				
Z-axis Travel	mm	750	1250	1750	2250	3182
Feeds						
X-axis Rapid Traverse Rate	m/min	20				
Z-axis Rapid Traverse Rate	m/min	20			15	10
TOOL TURRET						
Tooling System		BOT				
Turret Driven Type		Hydraulic/Servo				
Number Of Tools	station	12				
Square Tool Shank Size	mm	32				
Round Tool Shank Size	mm	50				
Max. Rotary Tool Speed	rpm	-				
Rotary Tool Driver Power	kW	-				
TAILSTOCK						
Tailstock body travel	mm	540	1040	1540	2040	3040
Quill travel	mm	120				
Quill diameter	mm	120				
Quill taper hole	MT#	6				
DIMENSIONS						
Machine Dimension L x W x H	m	4.3 x 2.2 x 2.2	4.8 x 2.2 x 2.2	6 x 2.2 x 2.3	6.4 x 2.2 x 2.3	7.9 x 2.2 x 2.3
Net Weight	kg	6500	7500	11200	12200	14200