



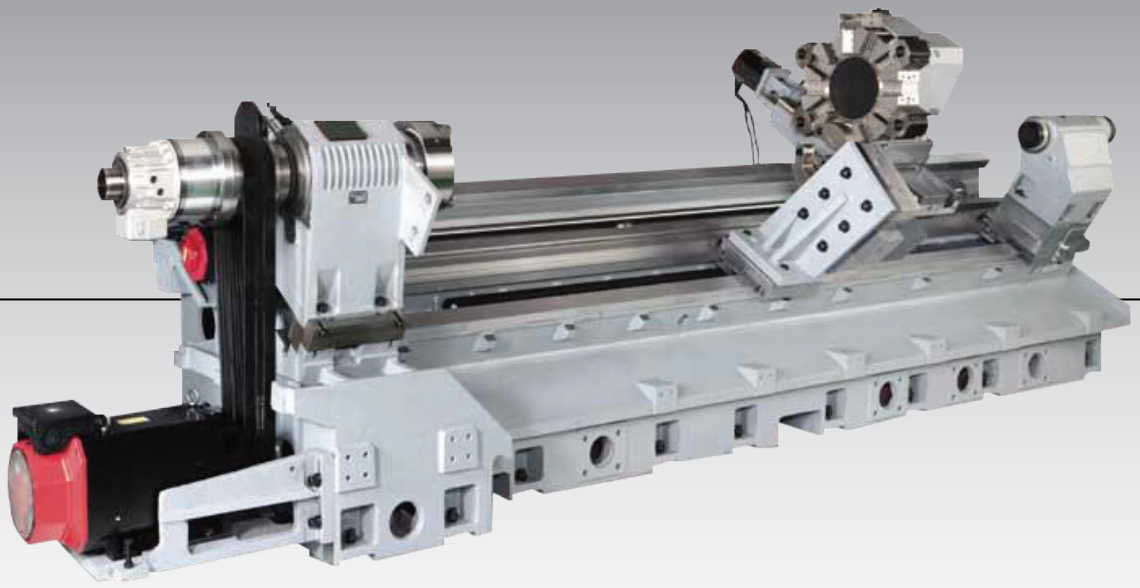
# **KLR-380** Series

High Performance Turning Center

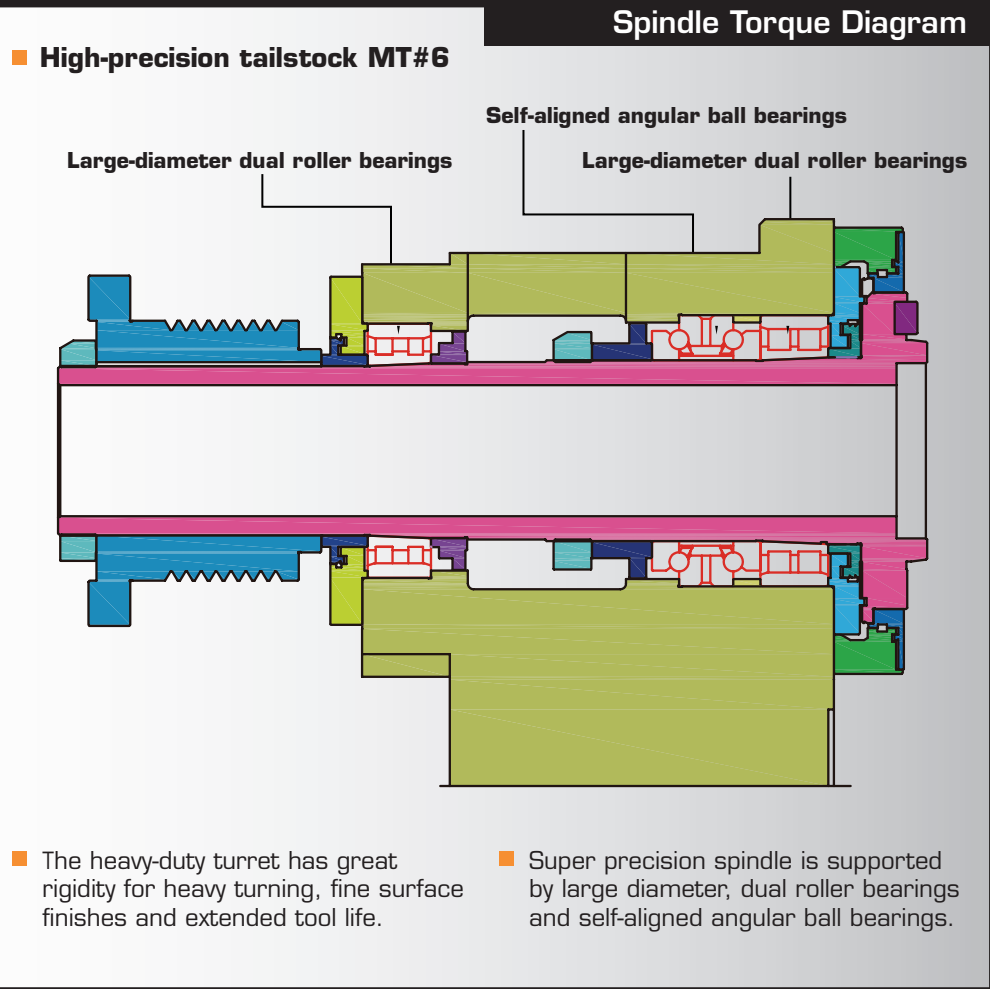
## *Main Characteristics*

- 30-degree slant bed, 750 mm swing, and length from 1650 mm to 3100 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.

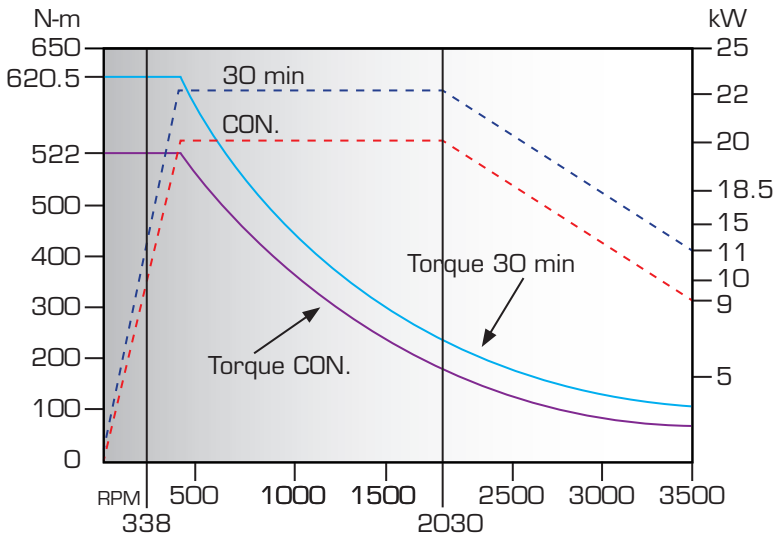




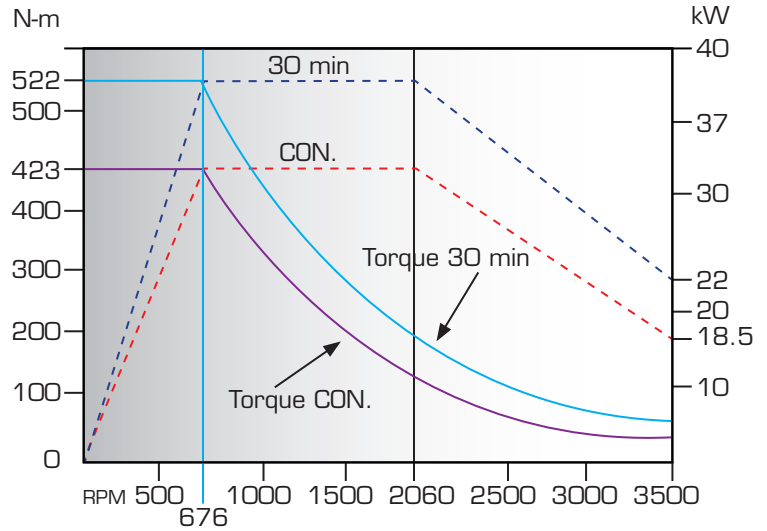
# Main Spindle



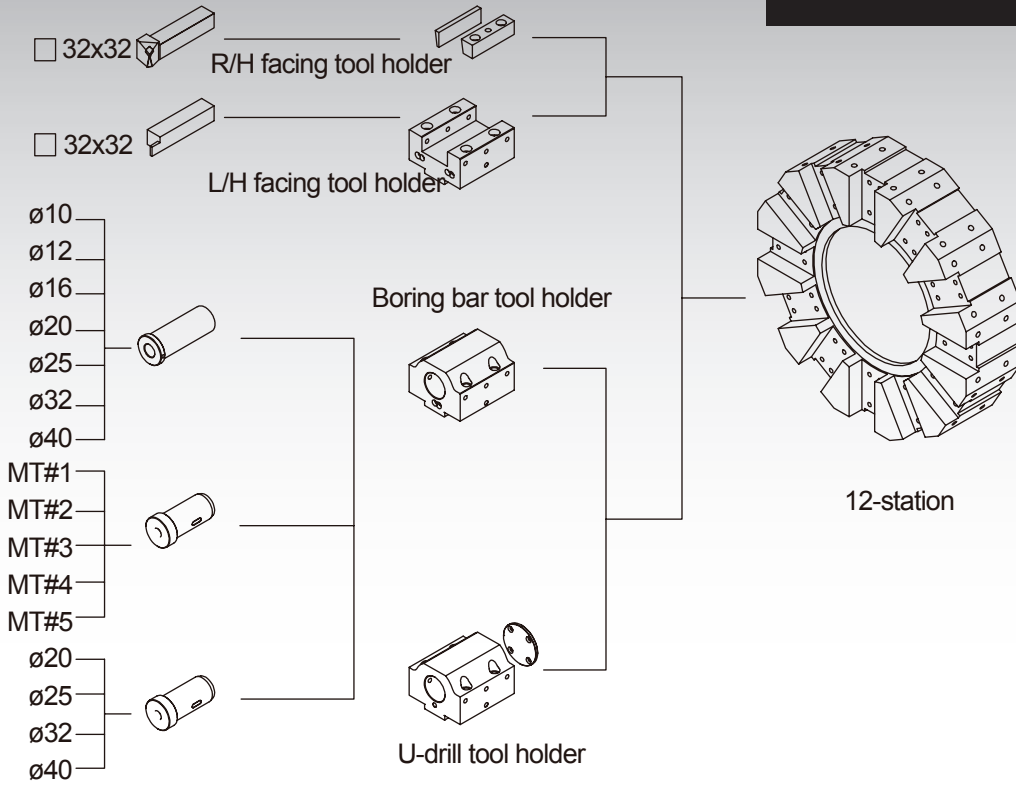
**Spindle torque-power chart (18.5/22kW)**



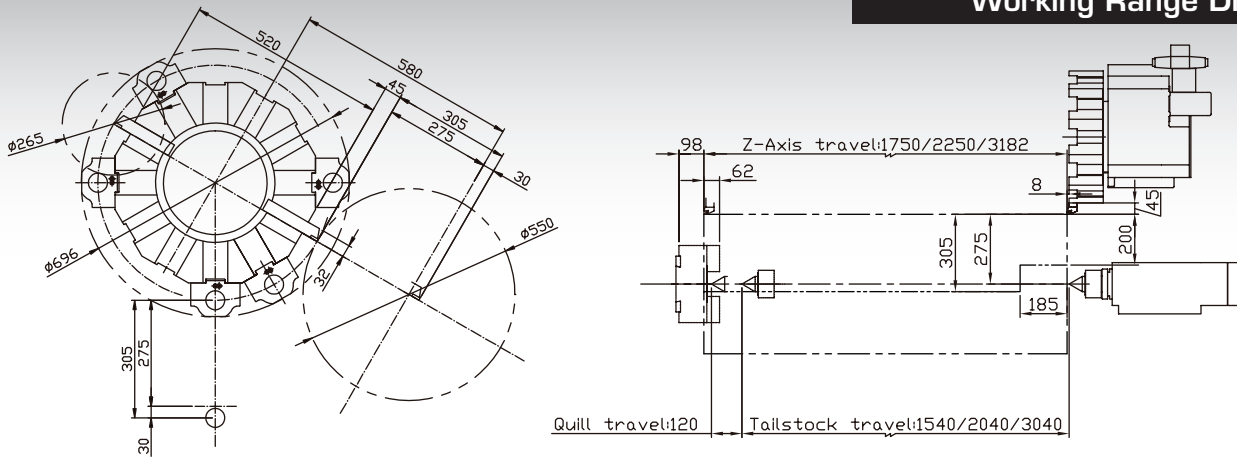
**Spindle torque-power chart (30/37 kW)**



## Tooling System

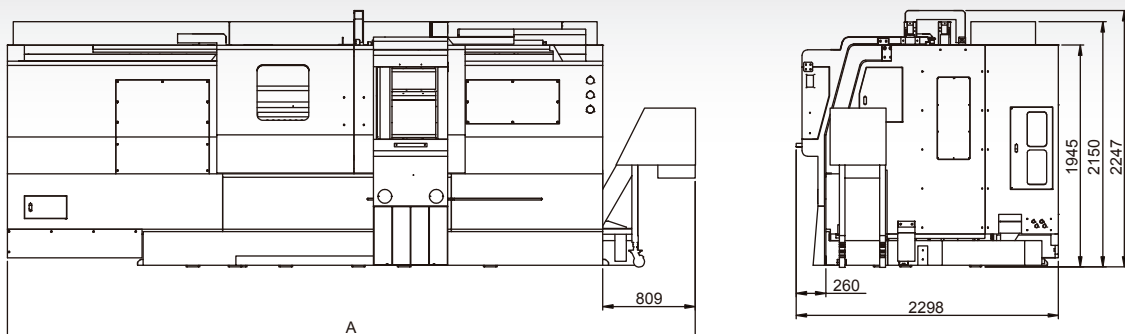


## Working Range Diagram



## Machine Dimensions

Model	KLR-380/1750	KLR-380/2250	KLR-380/3182
A	6026(mm)	6359(mm)	7838(mm)



# Machine Specifications

Machine Model		KLR-380	KLR-380M	
<b>Controller</b>		FANUC Oi-T		
<b>CAPACITY</b>				
Swing Over "Z" Cover	mm	750		
Swing Over "X" Cover	mm	600		
Max Cutting Diameter	mm	550	516	
Max Cutting Length	mm	1650	2150	3100
<b>BED</b>				
Slant Angle	degree	30		
Slant Angle	-	Box way		
<b>HEADSTOCK</b>				
Spindle Nose	ASA	A2-8/A2-11/A2-15		
Chuck Diameter	in	12"/15"/20"		
Spindle Hole Diameter	mm	101/116/181		
Spindle Speed	rpm	2700/2000/1500		
Spindle Drive (Cont. / 30min rated)	kW	18.5/22 (30/37)		
Bar Capacity	mm	90/105/165.5		
<b>TRAVELS</b>				
"Z"axis	mm	1750	2250	3182
"X"axis	mm	275 + 30		
<b>FEEDS</b>				
Rapid Traverse - "Z" Axis	m/min	20	16	10
Rapid Traverse - "X" Axis	m/min	20		
<b>TOOL TURRET</b>				
Type	-	Hydraulic	Servo-Mechanical	
Number of Tool Station	-	12		
Square Tool Size	mm	32		
Round Tool Shank Size	mm	50		
Rotary Tool Motor Power	kW	-	7	
Rotary Tool Speed	rpm	-	3000	
Rotary Tool Torque	Nm	-	30	
<b>TAILSTOCK</b>				
Quill Travel	mm	120		
Quill Diameter	mm	120		
Quill Taper Hole	MT#	6		
Quill Taper Hole	-	Hydraulic		
Tailstock Body Positioning	-	Programmable		
<b>DIMENSIONS</b>				
Floor Space Required	m	6.1 X 2.3	6.4 X 2.3	7.9 X 2.3
Height	m	2.3		
Weight (Approx)	kg	9500	10,500	12,000



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