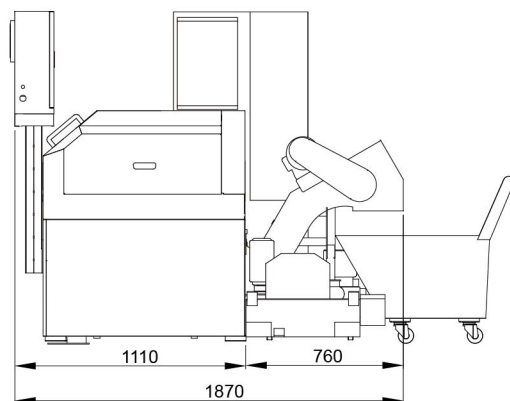
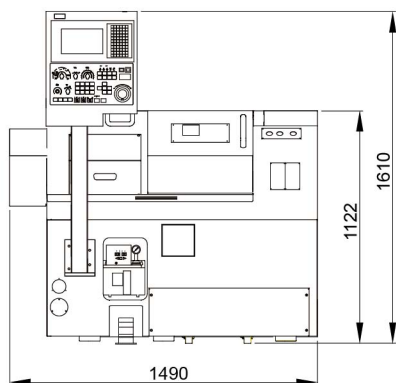


Item	Specification	Unit	Q5
Turning capacity	Max. swing diameter	mm	Ø230
	Max. swing diameter over saddle	mm	-
	Max. turning diameter	mm	Ø50
	Max. turning length	mm	40
Spindle	Spindle nose		A2-4
	Spindle speed	rpm	6,000 (Opt. 8,000)
	Chuck O.D.	inch	5" (Opt. 4" pneumatic chuck)
	Through-spindle hole diameter	mm	Ø35
	Bar capacity	mm	Ø26
	Spindle bearing diameter	mm	Ø70
Turret	Tool capacity	pc	4~6 (Depend on workpiece)
	O.D. tool	mm	16×16
	I.D. tool	mm	Ø20
Stroke	X/Z axis stroke	mm	220/220
Feed	X/Z axis rapid traverse	m/min	30/30
	Cutting feedrate	mm/rev	0.001-5000
Hydraulic unit	Hydraulic tank capacity	L	12
	Hydraulic motor	kW	0.75
Coolant unit	Coolant tank capacity	L	90
	Coolant motor	kW	0.18
Motor	Spindle motor	kW	5.5/3.7
	X/Z axis servo motor	kW	0.75/0.75
Machine size	L×W×H	mm	1,490×1,870×1,610
	Weight	kg	1,500

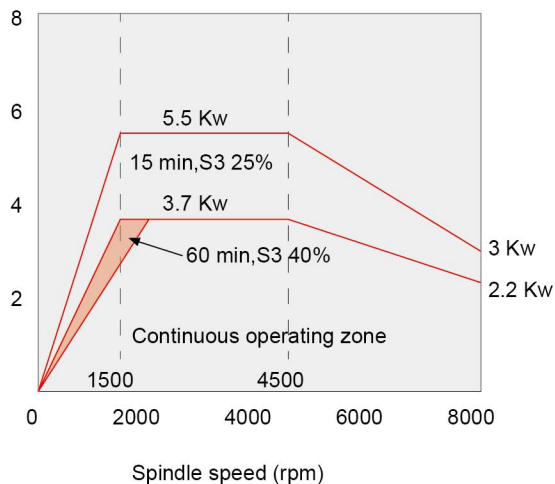
## Machine dimensions

Unit : mm

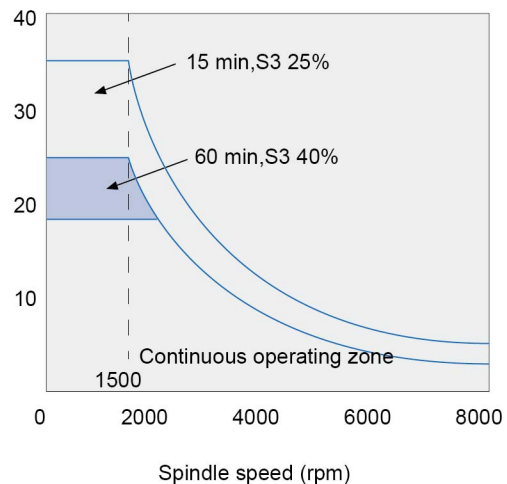


## Spindle output and torque chart

Horsepower [kW]



Torque [N·m]

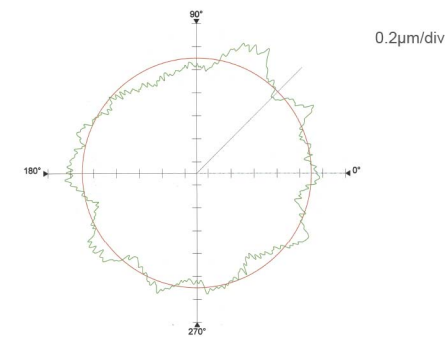


# Q5

- Compact floor space
- Stable high quality machining precision
- Suitable for mass production
- High cost-performance value

## Turning accuracy

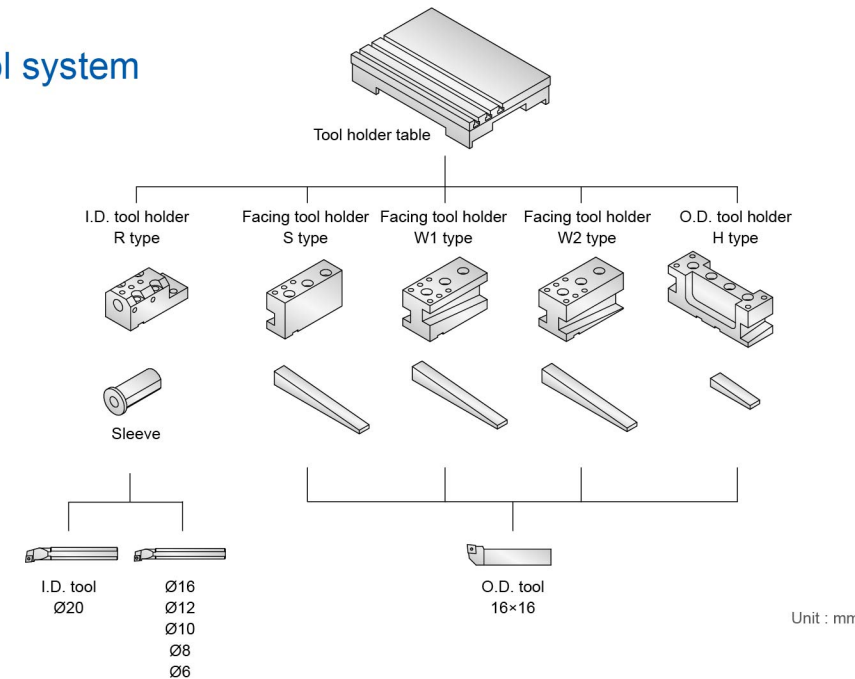
		Roundness	Roughness
Material	Copper	<b>0.42<math>\mu</math>m</b>	<b>0.85<math>\mu</math>m</b>
Spindle speed	3,000 rpm		
Freedrate	0.01 mm/rev		



## Travel

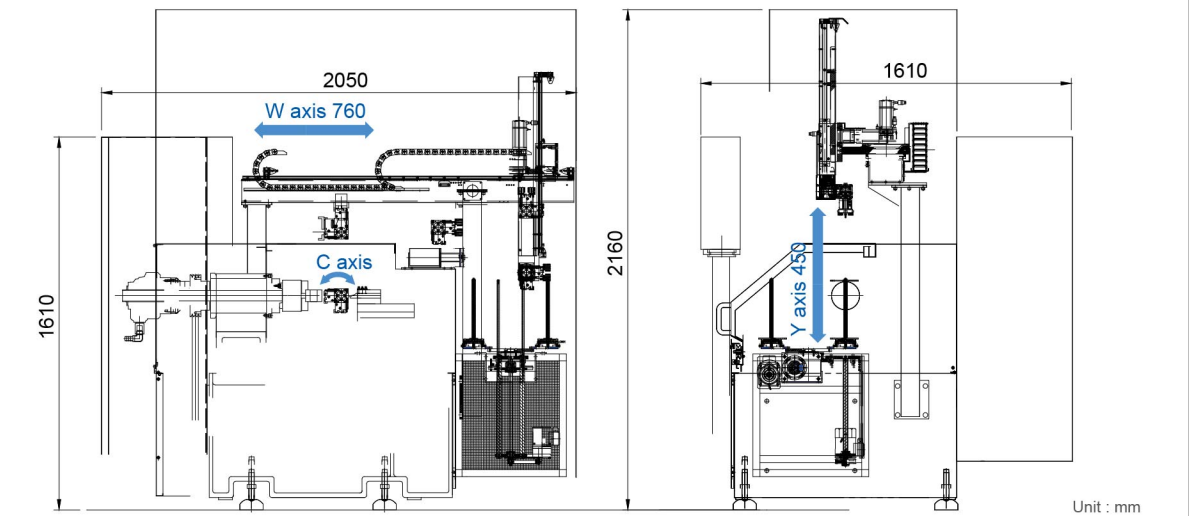
X/Z axis travel	<b>220 mm</b>
X/Z axis rapid travel	<b>30 m/min</b>
Spindle speed	<b>6,000 rpm</b>
	<b>8,000 rpm (Opt.)</b>

## Tool system



## 8 rotary pallets stocker

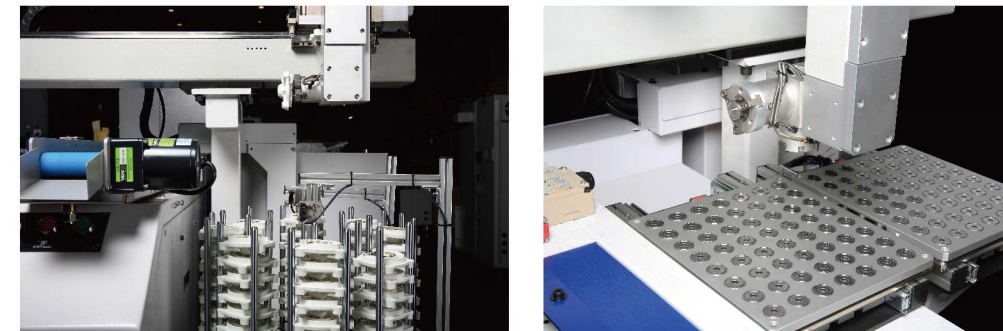
Workpiece diameter :  $\varnothing 5\text{-}\varnothing 50$  mm  
 Max. workpiece length : 40 mm  
 Max. workpiece weight : 0.6 kg  $\times$  2  
 Rapid traverse of robot : 90 m/min



## Automation Solutions :

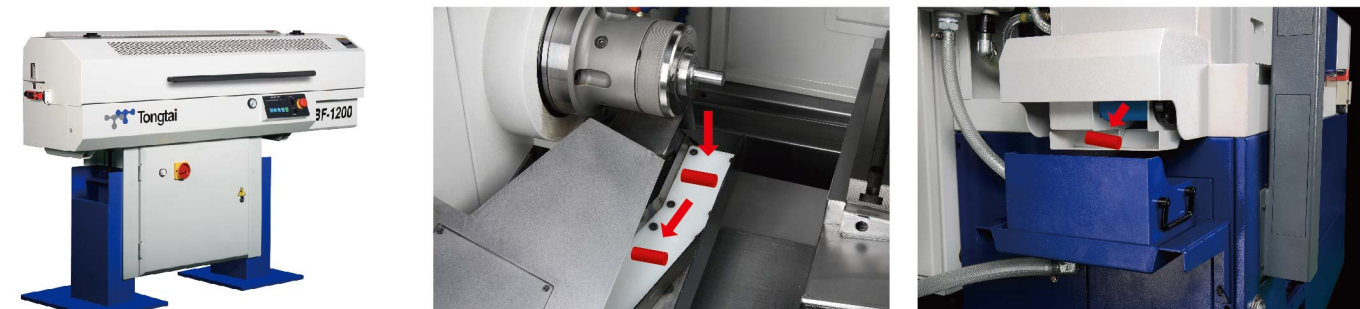
- Solution 1** Bar feeder type  
 Bar feeder with part catcher and part conveyor are used. The structure is simple and easy to operate.
- Solution 2** Gantry loader type  
 Combination with stocker and gantry loader, the machine is able to achieve the goal of automatic production to minimize labor costs and maximize investment returns.

## Gantry loader & Stocker

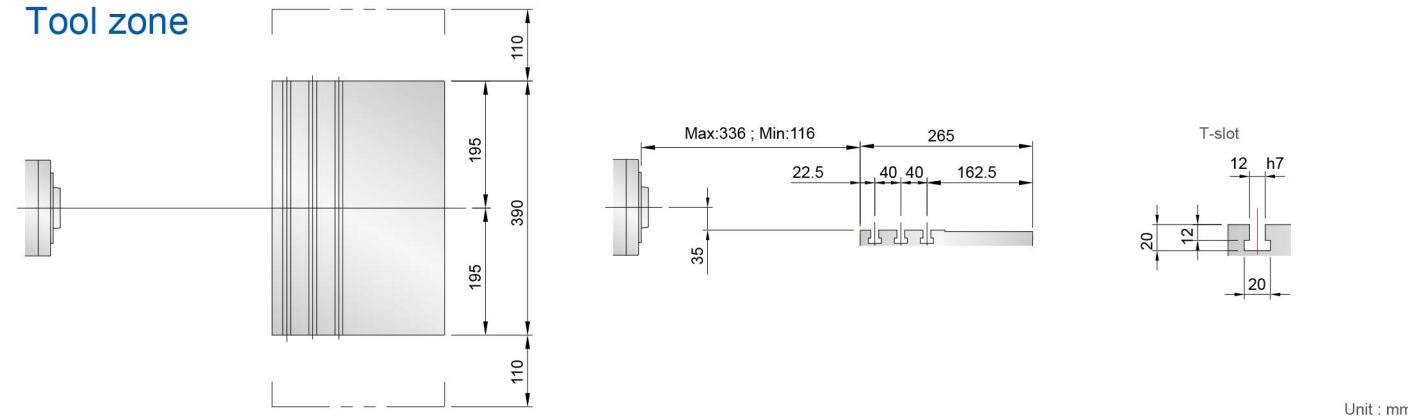


Gantry loader adopts high volume stocker allows long-term automatic management and improves the machine value. Depend on different kinds of workpiece, we are able to provide you the best workpiece stock solution.

## Bar feeder & Part catcher & Part Conveyor



## Tool zone



## 2 pallets stocker

Workpiece diameter :  $\varnothing 5\text{-}\varnothing 50$  mm  
 Max. workpiece length : 40 mm  
 Max. workpiece weight : 0.6 kg  $\times$  2  
 Rapid traverse of robot : 90 m/min

