



EFFICIENT MEDIUM AND LARGE  
HORIZONTAL TURNING CENTER

# TCK700



## DONGS SOLUTIONS

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FOR MORE DETAILS PLEASE CONTACT DONGS MACHINE TOOL

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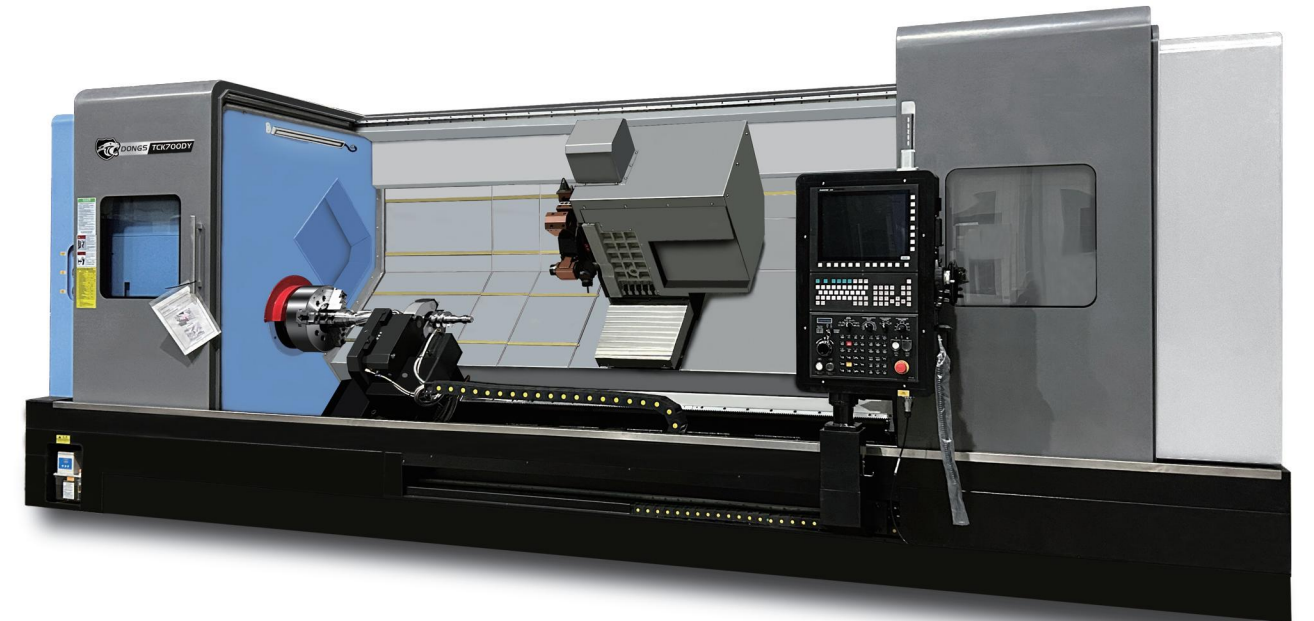


**DONGS SOLUTIONS**

Design Patent : ZL202330553602.X

**TCK700** machines are large horizontal turning centers ideal for machining pipes, valves and flanges used in oil and gas industry, hydraulic parts used in construction equipment, and also complex parts used in the aircraft and ship building industries. Maximum turning, diameters and lengths are  $\text{\O}680\text{mm}$  and  $5000\text{mm}$  respectively, which are the highest in their class. The slant bed design allows easy chip disposal.

## Product Advantages



### ONE-STEP FOR MACHINING LARGE COMPLEX PARTS

- Maximum productivity can be achieved with the machines'  $200\text{mm}$  ( $7.9\text{inch}$ ) ( $\pm 100\text{mm}$  ( $3.9\text{inch}$ )) orthogonal Y-axis structure, which allows users to machine a wide range

### THE LARGEST MACHINING AREA AND TOP PERFORMANCE IN ITS CLASS

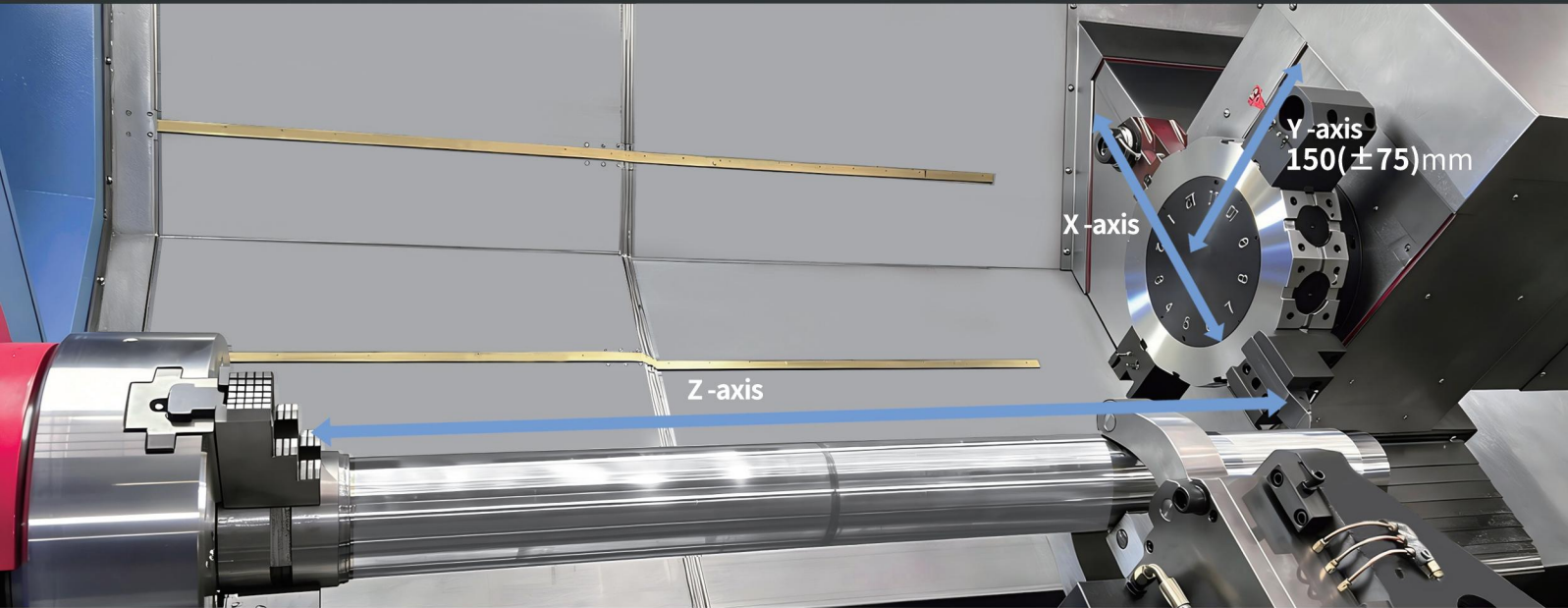
- With  $5\text{m}$  maximum turning length,  $\text{\O}680\text{mm}$  maximum turning diameter and  $2176\text{N} \cdot \text{m}$  of Torque, the machines are ideal for the heavy-duty cutting of large parts

### THE SOLUTION FOR MACHINING A WIDE RANGE OF PIPES

- $\text{\O}220\text{mm}$  maximum spindle through hole diameter makes the machines ideal for turning large diameter pipes.
- The machines take the machining of high-accuracy and performance-critical threads in their stride

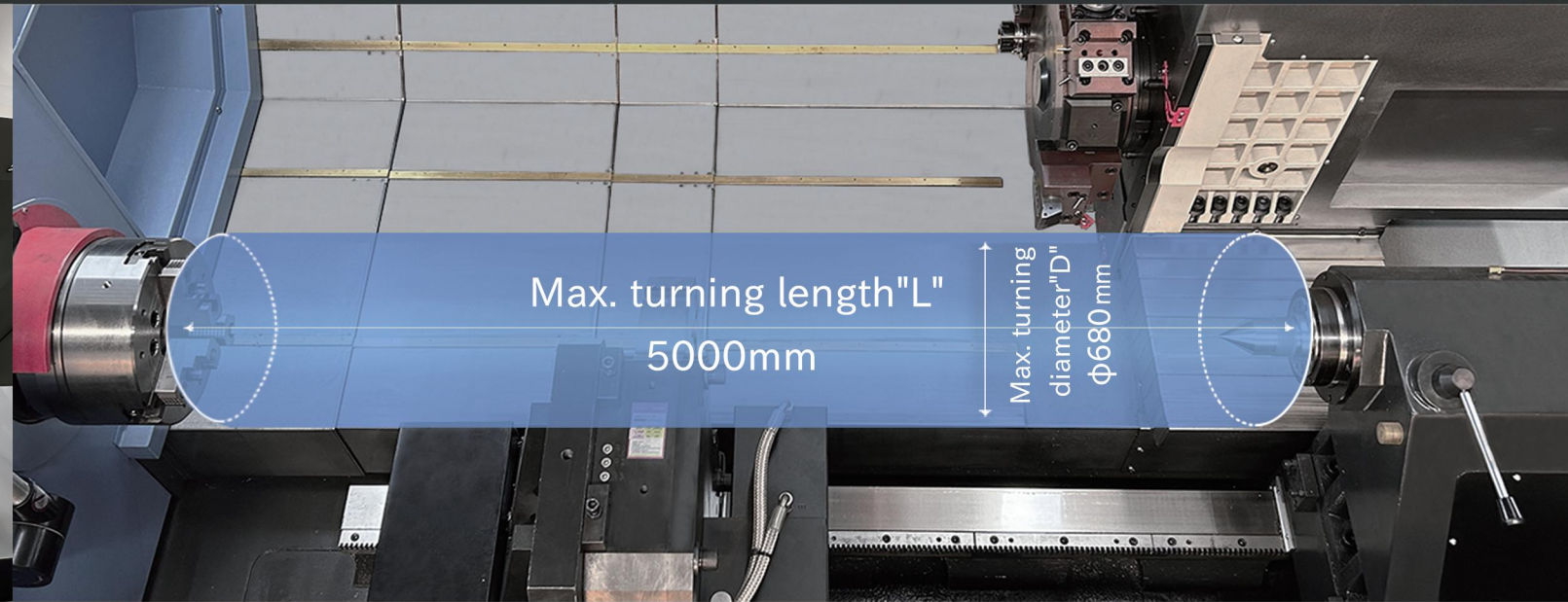
# BASIC STRUCTURE

Machine capabilities range from 2-axis to Y-axis, The 45° inclined bed structure, cast in one piece Various options available



# MACHINING AREA

The largest work envelope in their class with a maximum turning diameter of  $\phi 680$ mm and maximum turning length of 5m.



Centre distance	1100	1600	2100	3100	4100	5100
Chuck Size (inch)	15/18/21/24					
X-axis travel (mm)	350					
Y-axis travel (mm)	150 ( $\pm 75$ )					
Z-axis travel (mm)	1000	1500	2000	3000	4000	5000

\*Chucks and rotary cylinders are optional.

Max. turning diameter

**$\phi 680$  mm**

Max. turning length

**5000 mm**

## Spindle

The gearbox design allows the TCK700/TCK800 spindles to have unparalleled power and torque, which boosts productivity and delivers extreme heavy-duty cutting capability.

Max. spindle speed

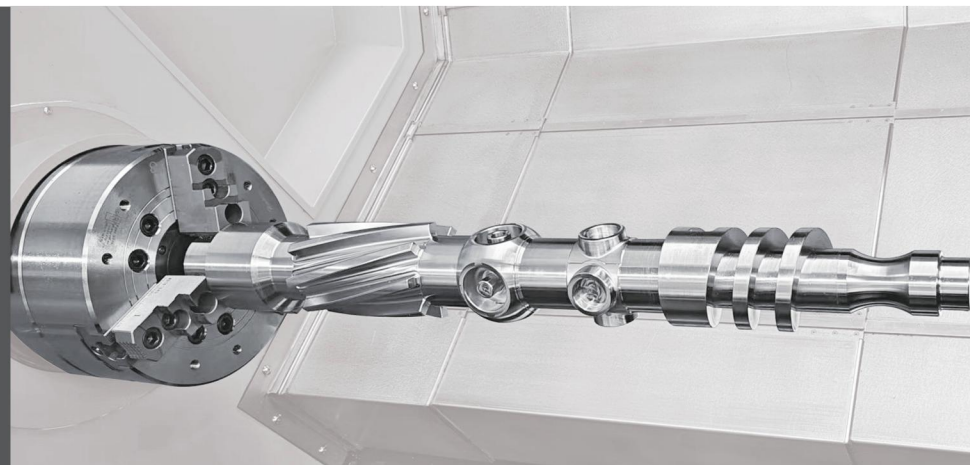
**800-3000 r/min**

Max. spindle power

**30 kw**

Max. spindle torque

**2176 N.M**



Spindle front taper	Spindle through hole (mm)	Max. Spindle speed (r/min)	Max. Spindle power (KW)	Max. spindle torque (N.M)
A2-8	$\phi 86$	3000	22	544
A2-11	$\phi 105$	2000	30	822 {2176}
A2-11	$\phi 132$	1800	30	
A2-15	$\phi 181$	1000	30	
A2-15	$\phi 220$	800	30	

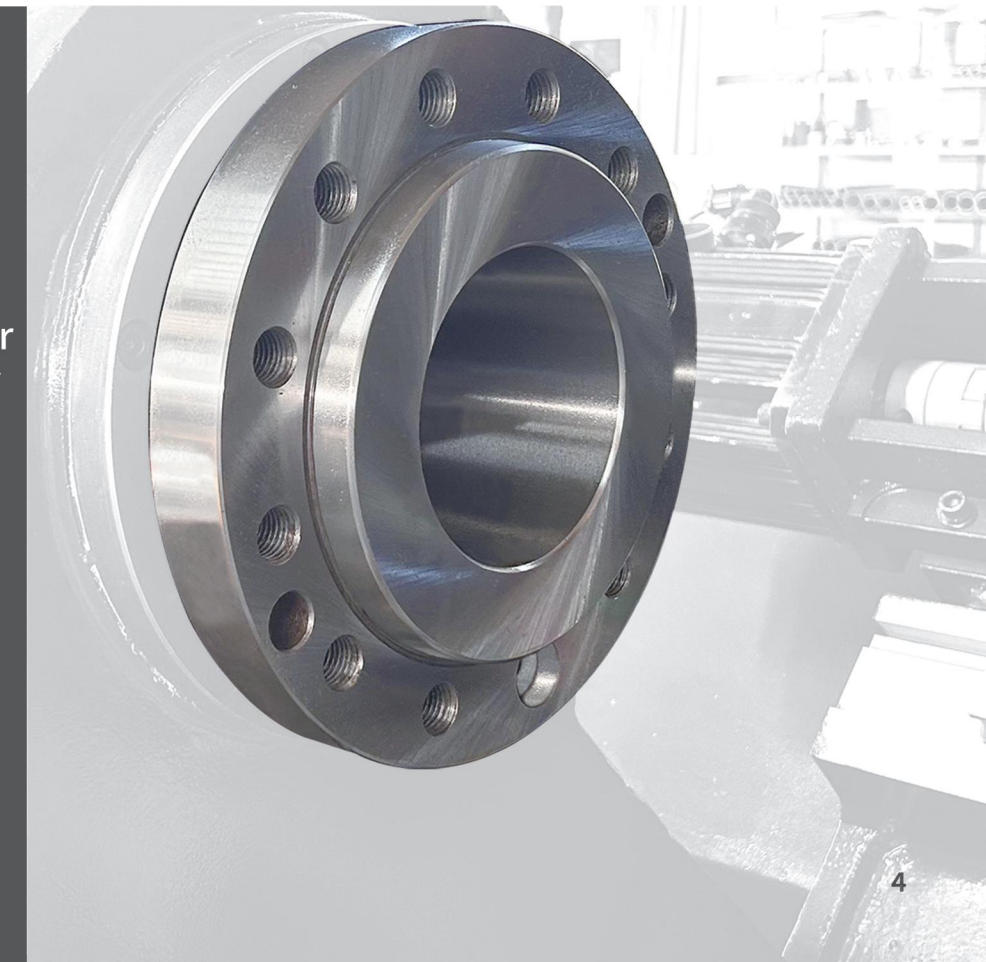
Machines are available with various spindle-through-hole sizes to provide the optimum machining solutions for different sized pipes.

Max. spindle through hole diameter

**$\phi 220$  mm**

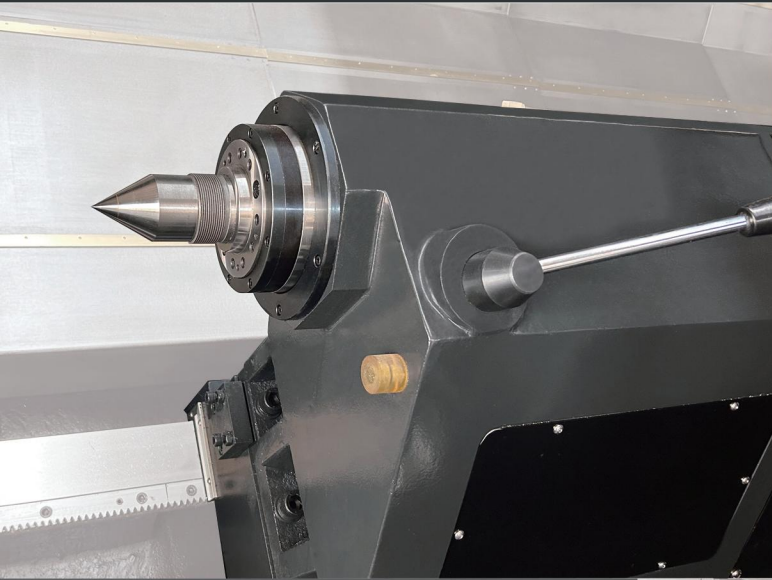
Unit : mm

Spindle front taper	Max. through hole diameter	Bar through diameter
A2-8	$\phi 86$	$\phi 75$
A2-11	$\phi 105$	$\phi 90$
A2-11	$\phi 132$	$\phi 120$
A2-15	$\phi 181$	$\phi 166$
A2-15	$\phi 220$	$\phi 220$



# TAILSTOCK

The standard programmable tailstock is easy to position and adjust thereby helping to reduce set up times.



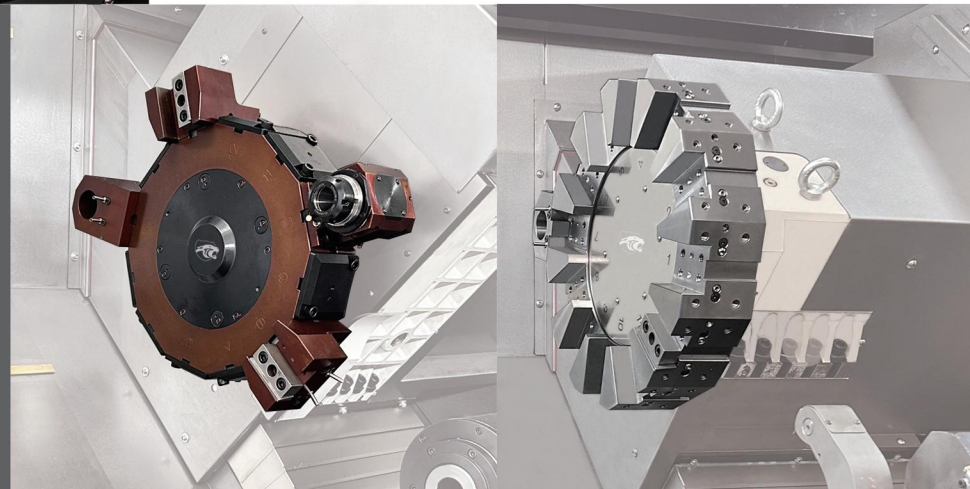
The tailstock body driven by the hydraulic motor through the gear rack. The tailstock sleeve is pushed by the hydraulic cylinder. The tailstock body is automatically locked by the hydraulic cylinder. All actions are controlled by M Code.

Unit: mm

Model	Tailstock sleeve	Travel of sleeve	Sleeve taper
TCK700-1000	150	180	MT5
TCK700-1500			
TCK700-2000	160		MT6
TCK700-3000			
TCK700-4000			
TCK700-5000			

# TURRET

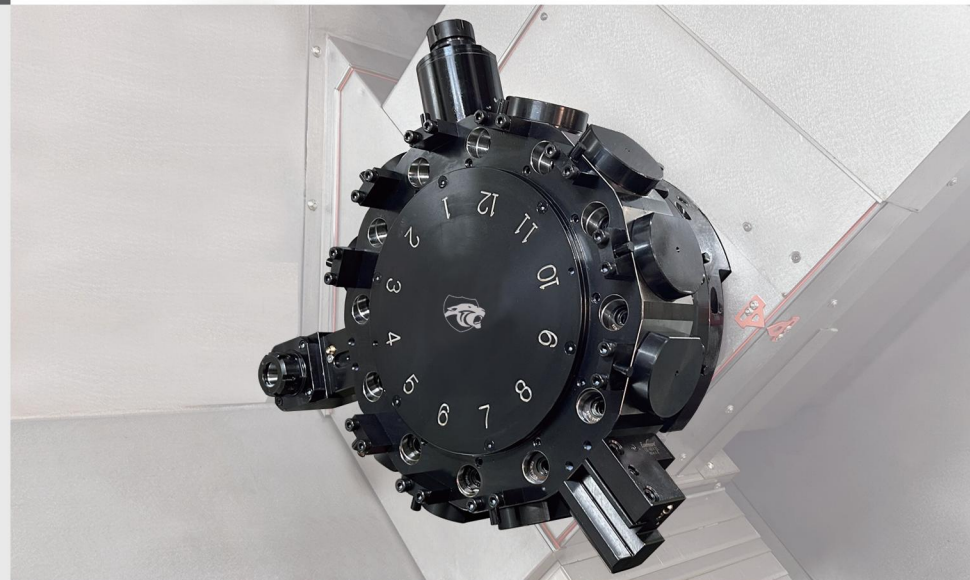
The turret disk is driven by a highly efficient servo motor and hydraulically locked by the end gear disk, which is suitable for heavy-duty cutting, effectively shortening the non-cutting time and improving the machining efficiency.



**BMT 65** turret position 12      Standard configuration Diameter 480mm      Turret position 12

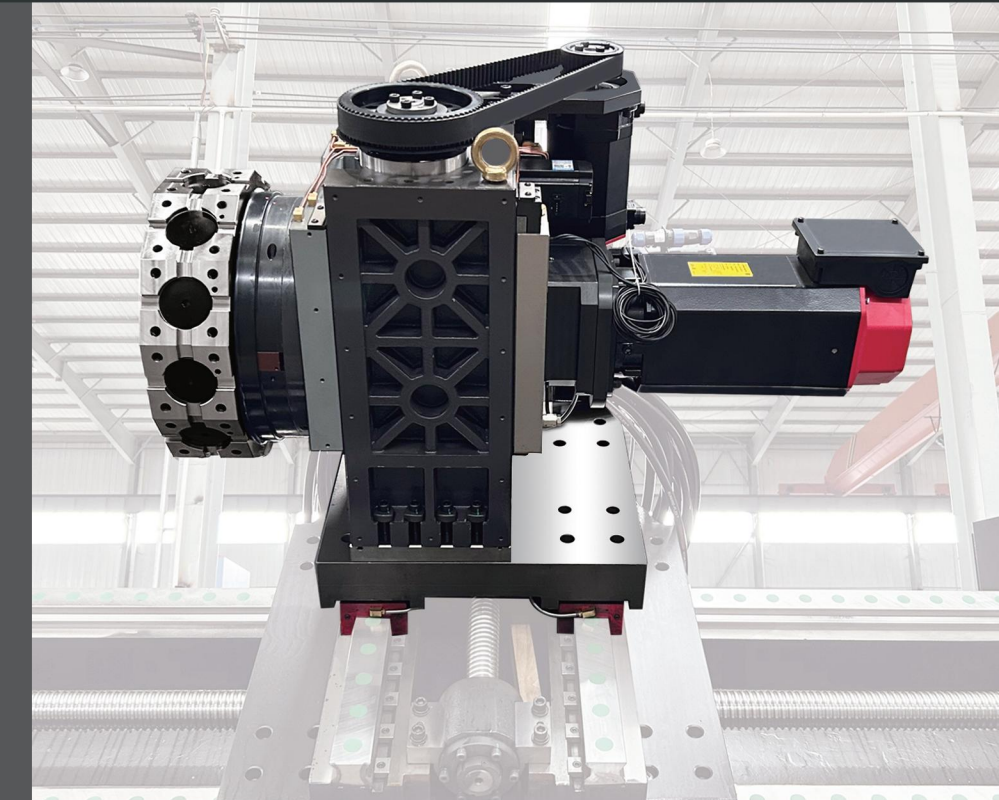
# VDI TURRET Optional

The VDI powered turret, with a single locking wedge that holds the holder in the turret, allows for quicker alignment and mounting of holders and tools.



# Y-AXIS /SUB SPINDLE

High-power motor inside spindle



Y-axis Travel **±75 mm**

Y-axis guide **Box way**

MAX output KW **11kw**

Max. output torque **70 N.m**

Y-axis – BMT65 /75 Power turret Optional

Through hole of Sub spindle **66 mm**

Outer diameter of main spindle **200 mm**

Precision of main spindle **≤ 0.003 mm**

Rated rotational speed **2320 rpm**

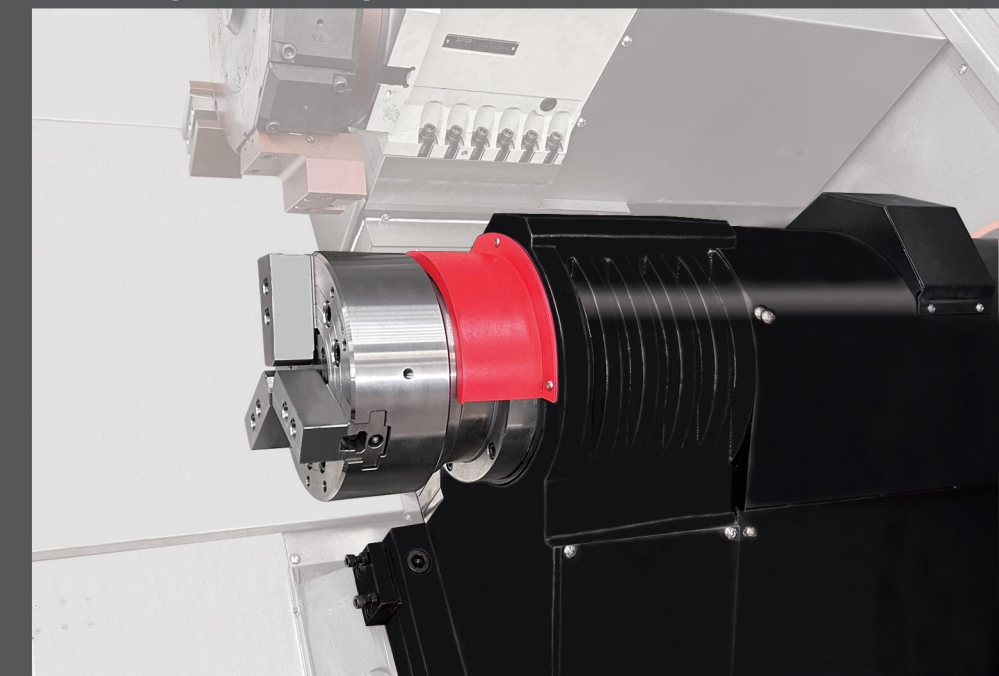
Maximum rotating speed **4300 rpm**

Rated power **22.15 kw**

Rated torque **91.1 Nm**

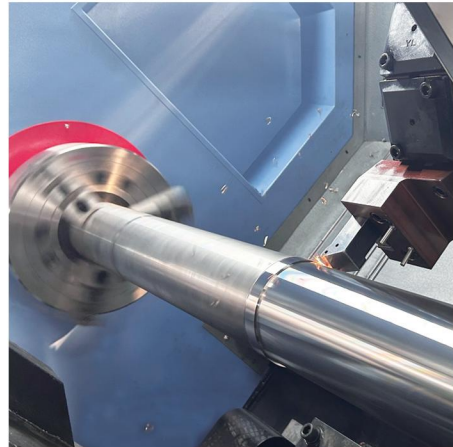
Max. torque **227 Nm**

Sub spindle spindle Optional

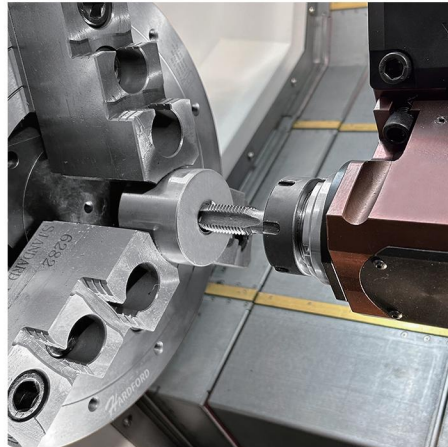


# CUTTING PERFORMANCE

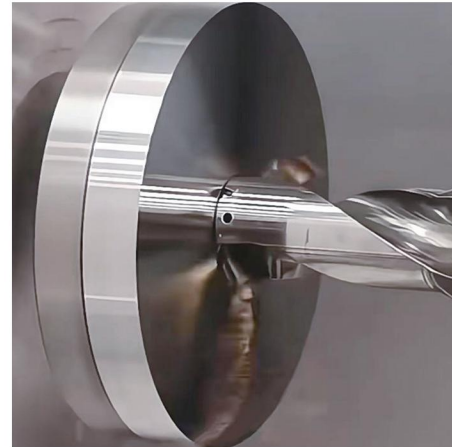
TCK700 machines can perform high-productivity, heavy-duty machining operations such as ID/OD turning, end milling, tapping and U-drilling etc.



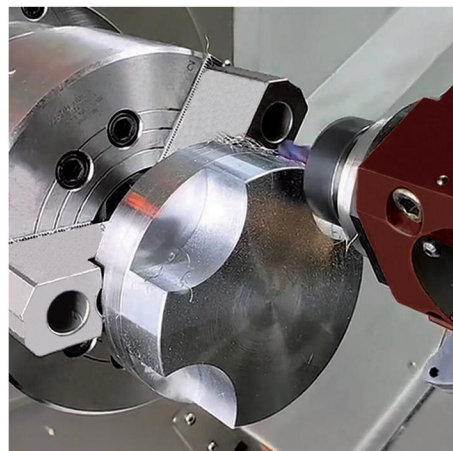
O.D turning(Material diameterφ220mm)	
Speed	400rpm
Feed	0.35mm/rev
Depth of cut	10mm
Chip Removal rate	150cm <sup>3</sup> /min



Tapping	
Cutting Tool	M20
Feed	2.5mm/rev
Depth of cut	30mm



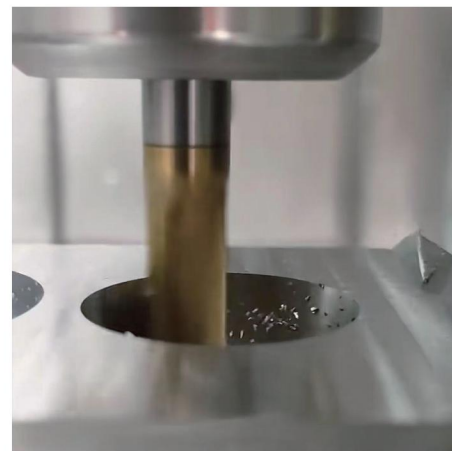
U-Drill	
Cutting Tool	φ30mm
Cutting line speed	2000m/min
Feed	0.15mm/rev
Chip Removal rate	150cm <sup>3</sup> /min



End mill (( Low Speed)	
Cutting Tool	φ32mm
Cutting line speed	30m/min
Feed	90mm/min
Chip Removal rate	150cm <sup>3</sup> /min



End mill ( High Speed)	
Cutting Tool	φ25mm
Cutting line speed	220m/min
Feed	1000mm/min
Chip Removal rate	175cm <sup>3</sup> /min



Milling	
Cutting Tool	φ25mm
Cutting line speed	240m/min
Feed	800mm/min
Chip Removal rate	100cm <sup>3</sup> /min

# STABLE THREADING PERFORMANCE

All TCK700 series (2-Axis\* to Y-Axis) are capable of threading work.

\* In order to re-machine threads or perform arbitrary speed threading on a 2-Axis machine, additional optional devices have to be selected.

## Threading repair function

This function allows users to repair threads even when the original program is not available. This is a standard Fanuc NC function.

## Arbitrary speed threading

**Optional**

This function allows users to control and override spindle speeds in order to set them to produce/replicate the best thread quality.

## Re-machining function

**Optional**

This function is included in the arbitrary speed threading. It allows users to re-machine damaged threads using the existing program.

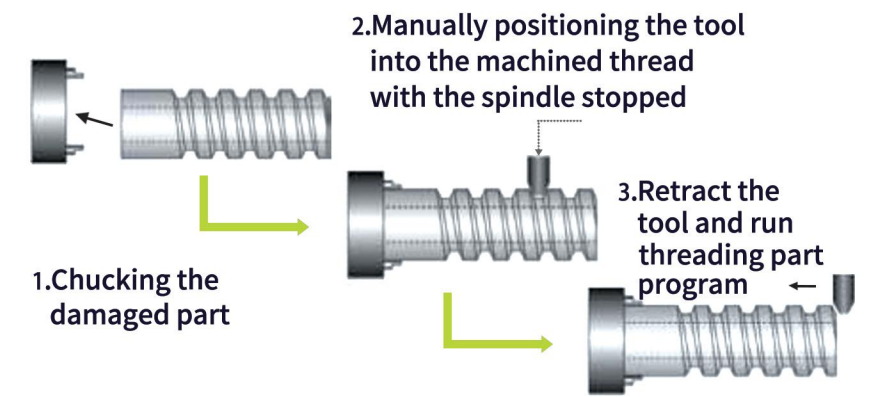
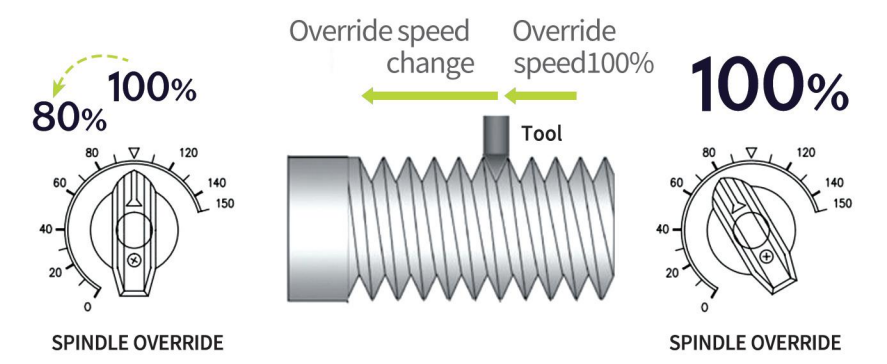
## Thread cutting and re-machining

For thread repair machining where the threads need to be re-machined after the fixture is removed.

Re-threading of used and heavily worn workpieces

Process steps

- Measurement of threaded grooves
- Enable thread repair mode, enable any speed threading mode
- Write a thread repair program or use the original thread machining program for thread re-machining.
- Disable any speed threading mode, disable thread repair mode



# STANDARD & OPTIONAL SPECIFICATIONS

Diverse optional features are available for customer-specific work applications.

Description	Features	TCK700series		TCK800series				
		A2-11		A2-11		A2-15		
<b>Spindle taper</b>		A2-11		A2-11		A2-15		
<b>Through hole of main spindle</b>		105	132	105	132	181	220	
<b>Chuck</b>	15inch	●	●	●	●	X	X	
	18inch	○	○	○	○	X	X	
	21inch	X	○	X	○	●	X	
	24inch	X	○	X	○	○	●	
<b>Jaw</b>	Soft Jaws	●	●	●	●	●	●	
	Hardened & ground hard jaws	○	○	○	○	○	○	
<b>Chucking option</b>	Single pressure chucking	●	●	●	●	●	●	
	Dual pressure chucking	X	X	X	X	○	○	
	Chuck clamp confirmation	○	○	○	○	○	○	
<b>Steady rest</b>	<b>Hydraulic</b>	HCF3.1 (20-165mm)	○	○	○	○	○	○
		HCF3.2 (30-200mm)	○	○	○	○	○	○
		HCF4 (45-310 mm)	○	○	○	○	○	○
		HCF5 (80-360mm)	X	X	○	○	○	○
		HCF5.1 (120-420mm)	X	X	○	○	○	○
	<b>Type</b>	Single	○	○	○	○	○	○
		Twin	○	○	○	○	○	○
Double		○	○	○	○	○	○	
<b>Tailstock</b>	Hydraulic Programmable type	●	●	●	●	●	●	
	Built-in dead center	●	●	●	●	●	●	
<b>Coolant pump (60/50Hz)</b>	4.5/3.0 Bar	○	○	○	○	○	○	
	7/5,10/7,14.5/10,28/19.5,70/70 Bar	○	○	○	○	○	○	
	Coolant level switch : Sensing level - Low	○	○	○	○	○	○	
<b>Coolant options</b>	Oil skimmer	○	○	○	○	○	○	
	Coolant chiller	○	○	○	○	○	○	
	Coolant pressure switch	○	○	○	○	○	○	
	Coolant gun	●	●	●	●	●	●	
<b>Chip disposal</b>	Chip conveyor (Right side)	●	●	●	●	●	●	
	Chip bucket	●	●	●	●	●	●	
	Air blower for chuck	○	○	○	○	○	○	
	Mist collector interface (Duct only)	○	○	○	○	○	○	
<b>Optionals</b>	Tool setter (automatic)	○	○	○	○	○	○	
	Automatic Door	○	○	○	○	○	○	
	Signal tower	○	○	○	○	○	○	
	Air gun	○	○	○	○	○	○	
	Automatic power of	○	○	○	○	○	○	
	Air unit for air chuck Single	○	○	○	○	○	○	
	Air unit for air chuck Twin	○	○	○	○	○	○	
	manual guide	○	○	○	○	○	○	
<b>Standard Accessories</b>	Foundation bolt for anchoring	○	○	○	○	○	○	

Please contact DONGS SOLUTIONS representative for detailed machine information.

● Standard ○ Optional X N/A ☑ Available



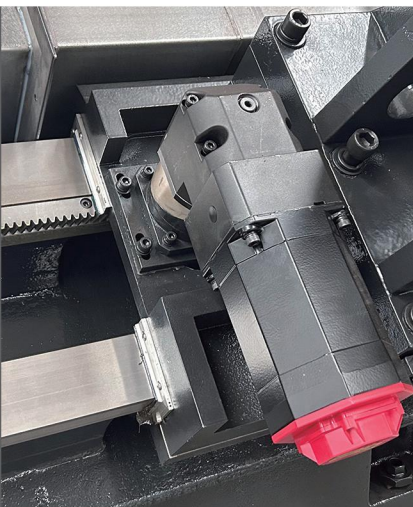
Fire Safety Precautions

There is a high risk of fire when using non-water-soluble cutting fluids, processing flammable materials, neglecting the controlled and careful use of coolants and modifying the machine without the consent of the manufacturer. Always check the SAFETY GUIDELINES carefully before using the machine.

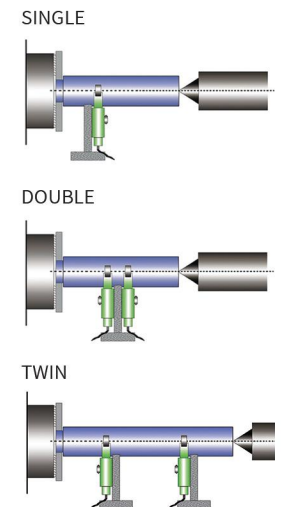
# PERIPHERAL EQUIPMENT

Users can choose from a variety of configurations according to different processing needs.

## Hydraulic steady rest Optional

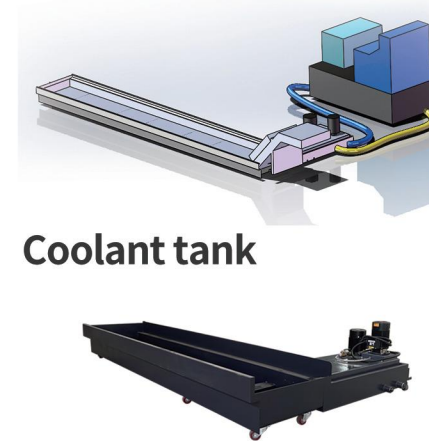


For turning long parts, various types of hydraulic steady rests (Single, Double or Twin type) are available. Servo control programmable steady rest (follow rest) can be selected.



SINGLE  
DOUBLE  
TWIN

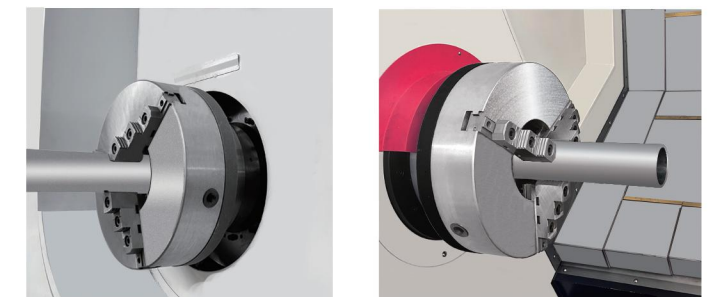
## Coolant chiller Optional



**Coolant tank**

A coolant chiller is recommended to help prevent temperature rises and to reduce thermal deformation when using a water-insoluble coolant or high-pressure coolant system (i.e., power over 1.5KW).

## Twin chucking Optional




For more stable pipe threading processing, the twin chucking option (manual or pneumatic) is available. Please consult with DONGS Solutions for details.

## Automatic tool setter Optional



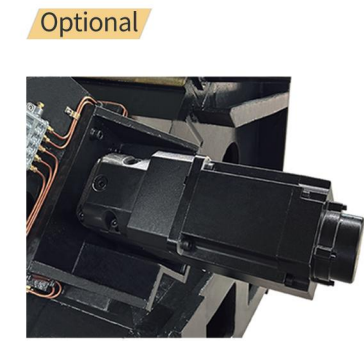
Renishaw tool setter

## Oil skimmer Optional



Belt oil skimmer

## Servo tailstock Optional



Servo programmable fully automatic tailstock

## Oil mist filter Optional



Low noise/high efficiency/stable

# CONVENIENT OPERATION

## FANUC

### Range of applications

Providing various applications related to planning, machining, improvement and utility, for customer convenience.

### iHMI touchscreen Optional

iHMI provides an intuitive interface that uses a touchscreen for quick and easy operation.

### USB and PCMCIA card QWERTY keyboard

- Manual Guide i optional
- Ergonomic operator panel
- 2MB Memory
- Hot keys



## NUMERIC CONTROL SPECIFICATIONS

Division	Item	Specifications	FANUC					
			Fanuc i (FOi-F Plus-3B)	Fanuc i (FOi-F Plus-3B)	Fanuc i (FOi-F Plus-3B)	Fanuc i (FOi-F Plus-1)	Fanuc i (FOi-F Plus-3A)	Fanuc i (FOi-F Plus-0)
Controlled axis	Controlled axes		2(X,Z)	3(X,Z,C)	4(X,Z,C,Y)	2(X,Z)	3(X,Z,C)	4(X,Z,C,Y)
	Simultaneously controlled axes		2axes	3axes	4axes	2axes	3axes	4axes
Data input/output	Fast data server		○	○	○	○	○	○
	Memory card input/output		●	●	●	●	●	●
	USB memory input/output		●	●	●	●	●	●
Interface function	Larger capacity memory_2GB	Note *2) Available Option only with 15" Touch LCD (iHMI Only) .	X	X	X	X	X	○
	Embedded Ethernet		●	●	●	●	●	●
Operation	DNC operation	Included in RS232C interface.	●	●	●	●	●	●
	DNC operation with memory card		●	●	●	●	●	●
Program input	Workpiece coordinate system	G52-G59	●	●	●	●	●	●
	AI contour control I	G5.1Q_40 Blocks	○	○	○	○	○	○
Feed function	AI contour control II	G5.1Q_200 Blocks	○	○	○	○	○	○
	Manual Guide i (Conversational Programming Solution)		X	X	X	○	○	○
Operation Guidance Function	iHMI with Machining Cycle	Note *1) Only with 15" Touch LCD standard	X	X	X	X	X	○
	EZ Operation package		●	●	●	●	●	●
Setting and display	CNC screen dual display function		●	●	●	●	●	●
	FANUC MTConnect		☆	☆	☆	☆	☆	☆
Network	FANUCOPCUA		☆	☆	☆	☆	☆	☆
	Display unit	15" color LCD	X	X	X	X	X	●
Others	Threading repair function	15" color LCD with Touch Panel	X	X	X	X	X	○
			X	X	X	X	X	X

Network: FANUC MTConnect and FANUC OPC UA available.

● Standard ○ Optional X N/A ☆ Available

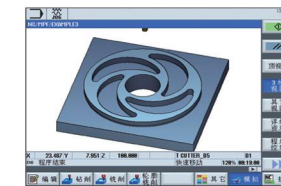
# CONVENIENT OPERATION

## Siemens 828D

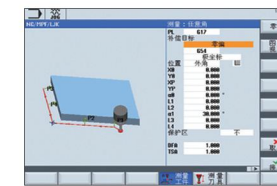
### 15.inch display

Siemens 828D' operation panel enhances operating convenience by incorporating common-design buttons and layout. It features a Qwerty keyboard for fast and easy data input and operation.

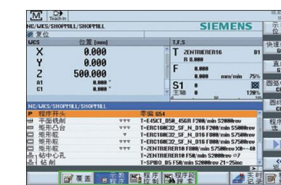
### Convenient conversational functionality



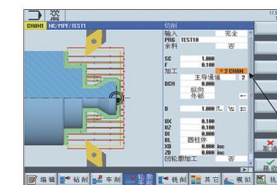
**3D finished product simulation function**  
This function observes the finest machining details and provides optimum machining reliability.



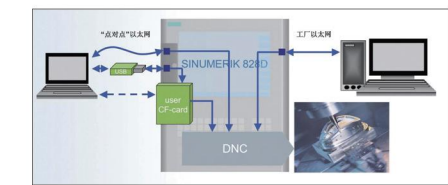
Measuring cycle function  
Ensure machining accuracy



**Flexible programme execution functions**  
In MDA mode, you can directly enter the programme manager to select the loaded programme, or save the MDI programme to the specified programme path.



**Balance Turning**  
This function allows you to quickly complete two passes through the easy-to-use programming wizard or the graphical dialogue programming image of the ShopTurn step-by-step program, ensuring the correctness of the machining program and increasing programming efficiency.



**RCS Host Remote Diagnostic Function**  
It establishes the connection and access between the remote diagnostic computer and the CNC system, and realises the functions of file transfer, remote display of the system operation screen, as well as remote operation and diagnosis, so as to better improve the efficiency of online service of machine tools.



## NUMERIC CONTROL SPECIFICATIONS

Division	Item	Specifications	SIEMENS					
			2-Axis 828D	D 828D	S 828D	DS 828D	Y 828D	YS 828D
Controlled axis	Controlled axes		X,Z,SP	X,Z,C,R	X,Z,C,C2,B	X,Z,C,R,C2,B	X,Z,C,R,Y	X,Z,C,R,C2,Y,B
	Simultaneously controlled axes		4axes	4axes	4axes	4axes	4axes	4axes
Data input/output	Memory card input/output		●	●	●	●	●	●
	USB memory input/output		●	●	●	●	●	●
Interface function	Ethernet	(X130)	○	○	○	○	○	○
	On network drive	(without EES option, Extcall)	○	○	○	○	○	○
Operation	On USB storage medium, e.g. memory stick	(without EES option, Extcall)	●	●	●	●	●	●
	Workpiece coordinate system	G54 - G59, G507 - G599	●	●	●	●	●	●
Feed function	Advanced surface		X	X	X	X	X	X
	Top surface		X	X	X	X	X	X
Programming & Editing function	Look ahead number of block		1	1	1	1	1	1
	3D simulation, finished part		●	●	●	●	●	●
Operation Guidance Function	Simultaneous recording		●	●	●	●	●	●
	DXF Reader for PC integrated in SINUMERIK Operate		○	○	○	○	○	○
Setting and display	Shopturn		●	●	●	●	●	●
	EZ Operation package		●	●	●	●	●	●
Network	Operation via a VNC viewer		●	●	●	●	●	●
	MTConnect		☆	☆	☆	☆	☆	☆
Others	OPCUA		○	○	○	○	○	○
	Display unit	15.6" color display with touch screen	●	●	●	●	●	●
Part program storage size	CNC user memory 10 MB		●	●	●	●	●	●
	CNC user memory 100MB		○	○	○	○	○	○
	CNC user memory 6MB		X	X	X	X	X	X
	CNC user memory 40GB (with PCU or IPC)		X	X	X	X	X	X
	CNC user memory without limit(Execution from external storage devices)(EES / Using by USB or Network)		○	○	○	○	○	○
HMI user memory for CNC part program 6GB		X	X	X	X	X	X	

● Standard ○ Optional X N/A ☆ Available 12

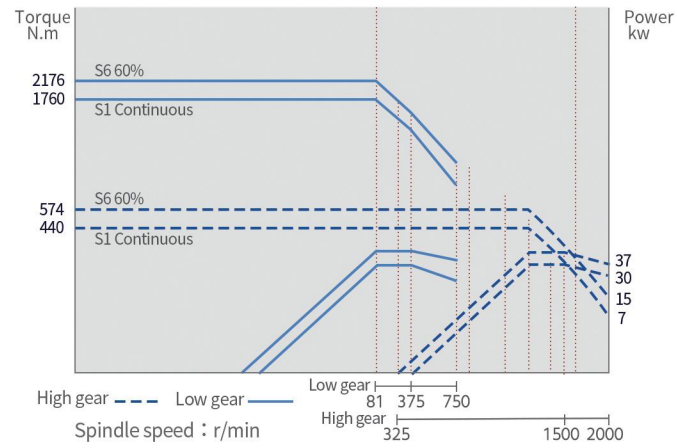
# POWER & TORQUE

FANUC

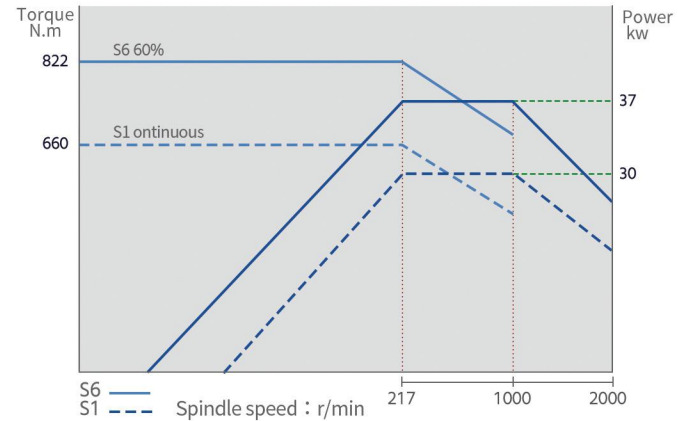
# POWER & TORQUE

SIEMENS

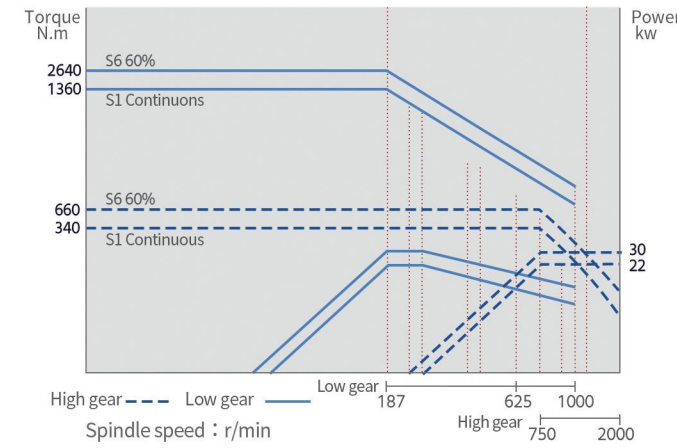
TCK700series [A2-11-two gear ranges]



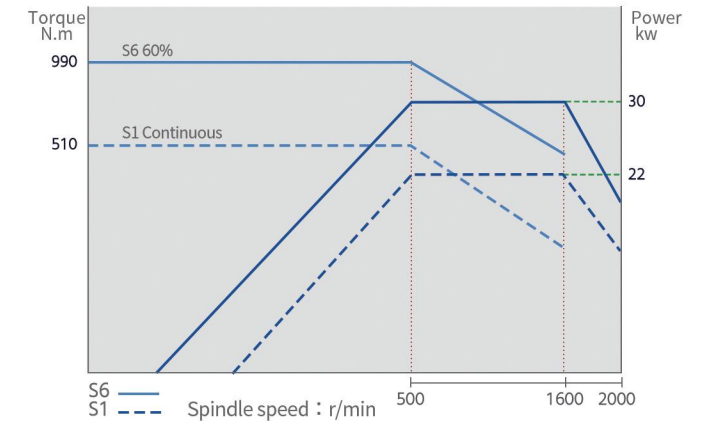
TCK700series [A2-11]



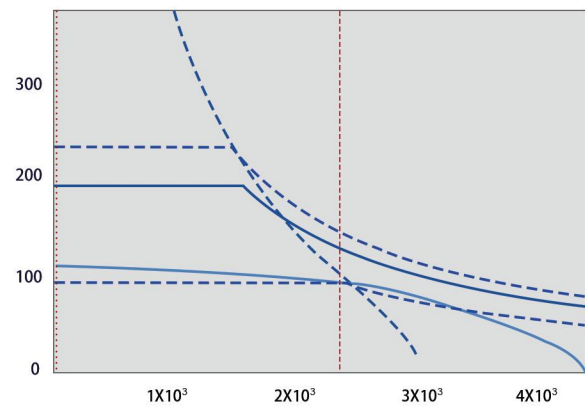
TCK700series [A2-11-two gear ranges]



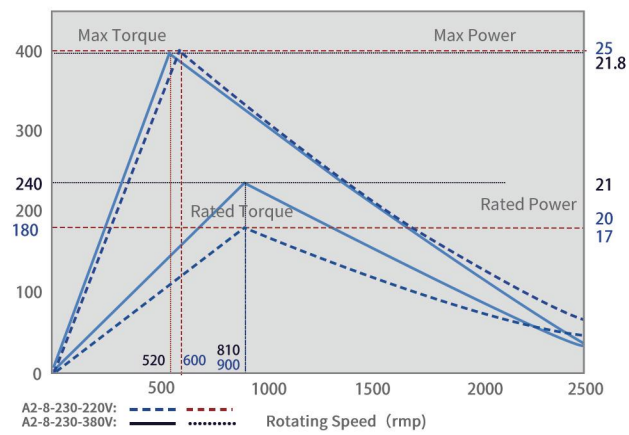
TCK700series [A2-11]



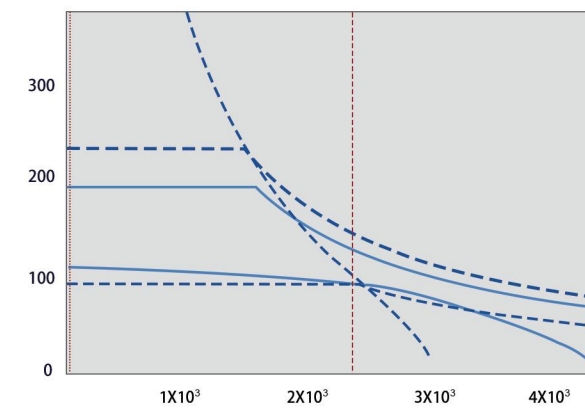
Torque-N [Sub spindle A2-6]



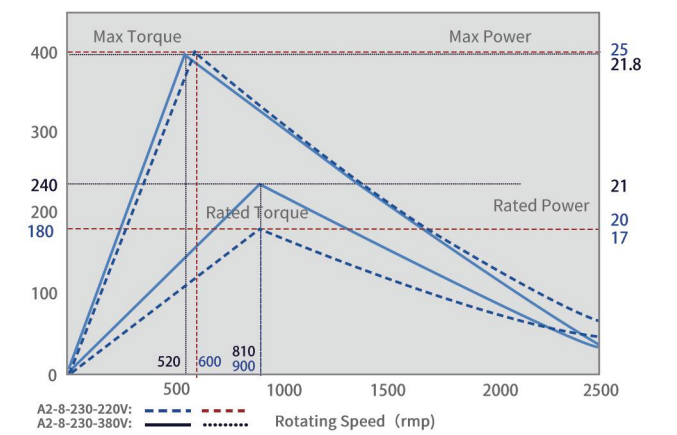
Torque-N [Sub spindle A2-8]



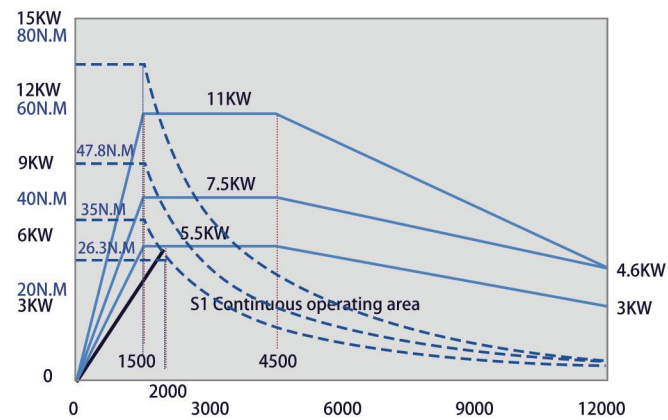
Torque-N [Sub spindle A2-6]



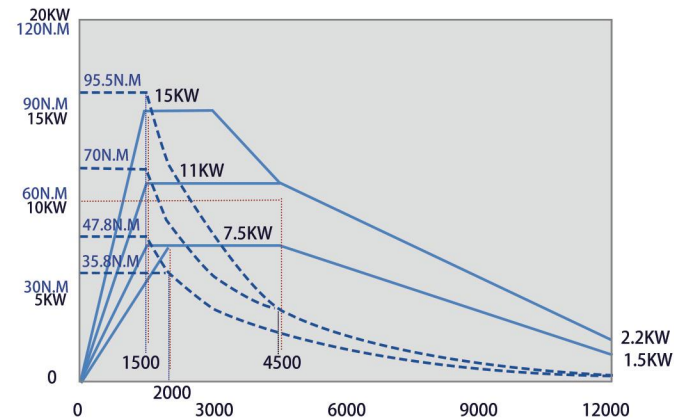
Torque-N [Sub spindle A2-8]



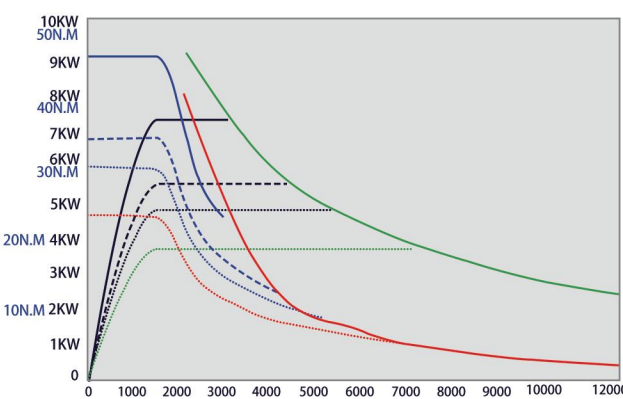
Rotary tool 5.5-1KW



Rotary tool 7.5-15KW **Optional**

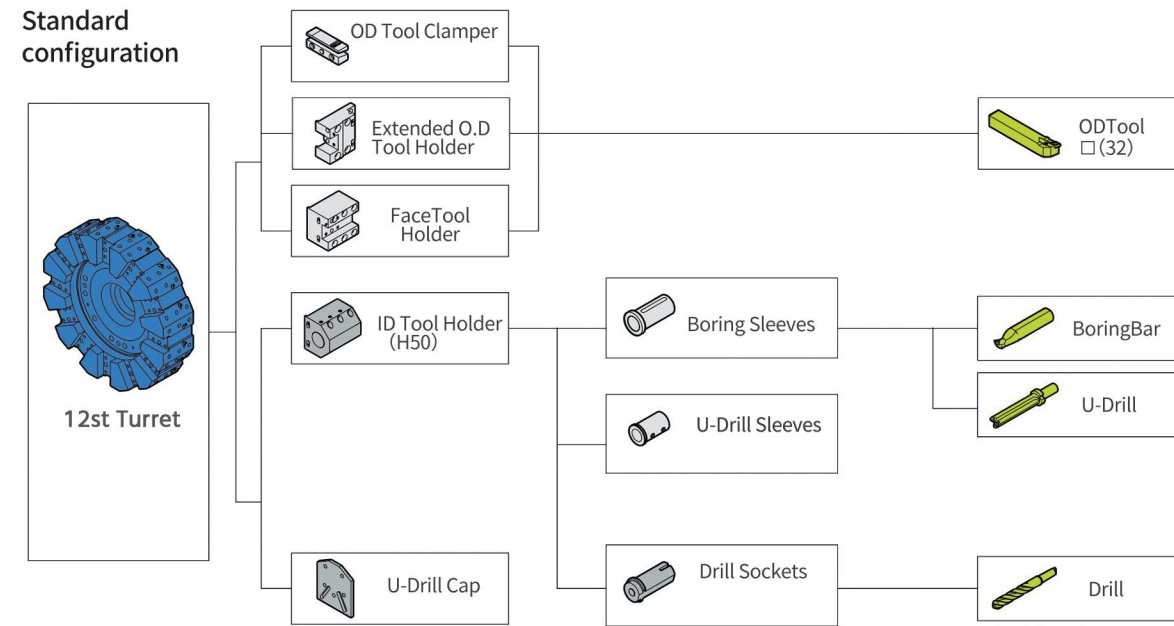


Rotary tool 5.5KW

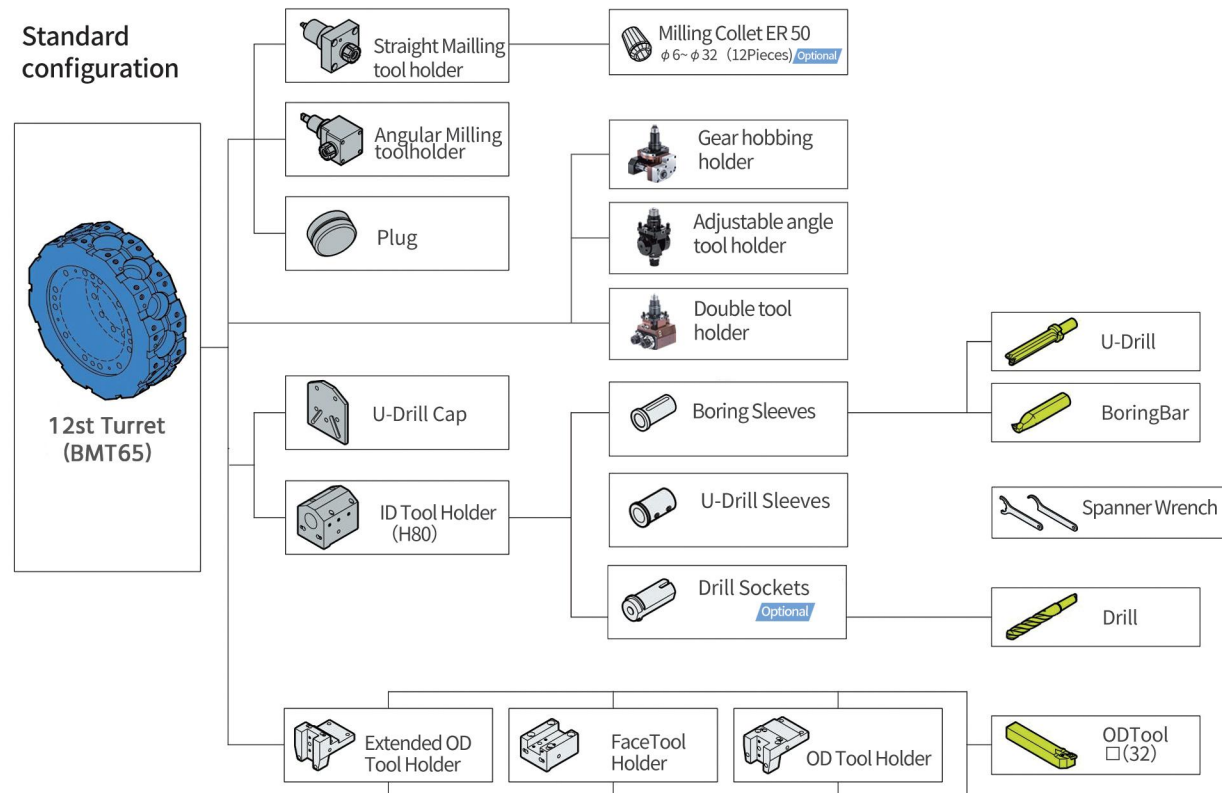


# TOOLING SYSTEM

## Turning turret

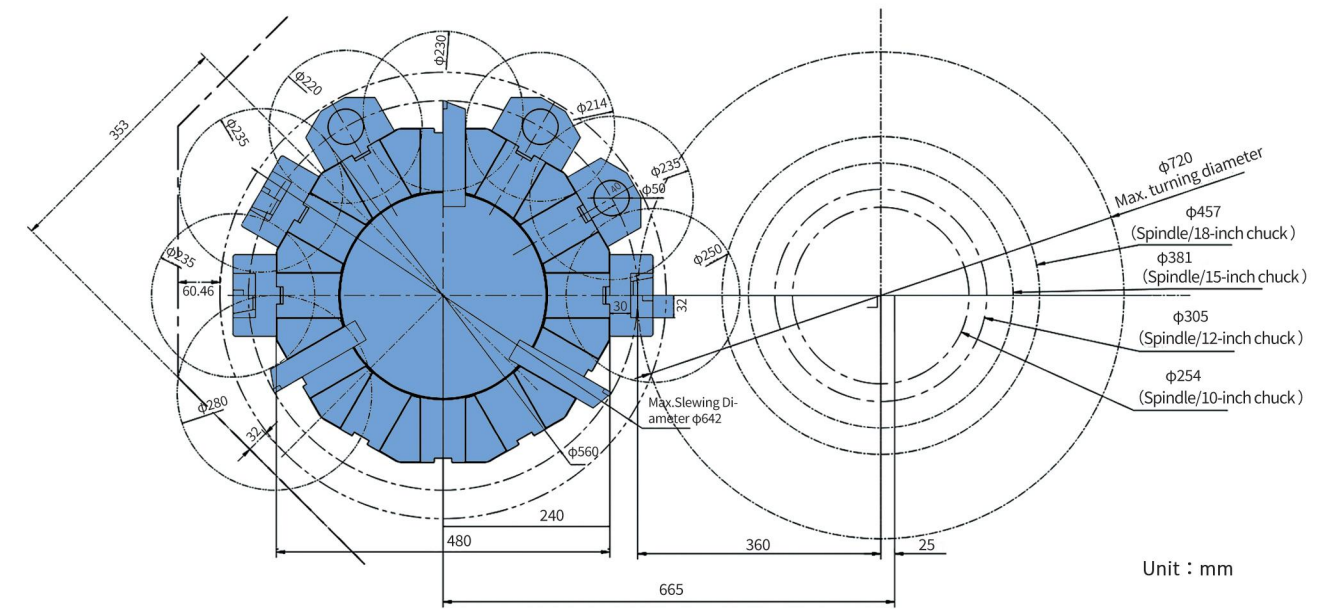


## BMT65 Power turret

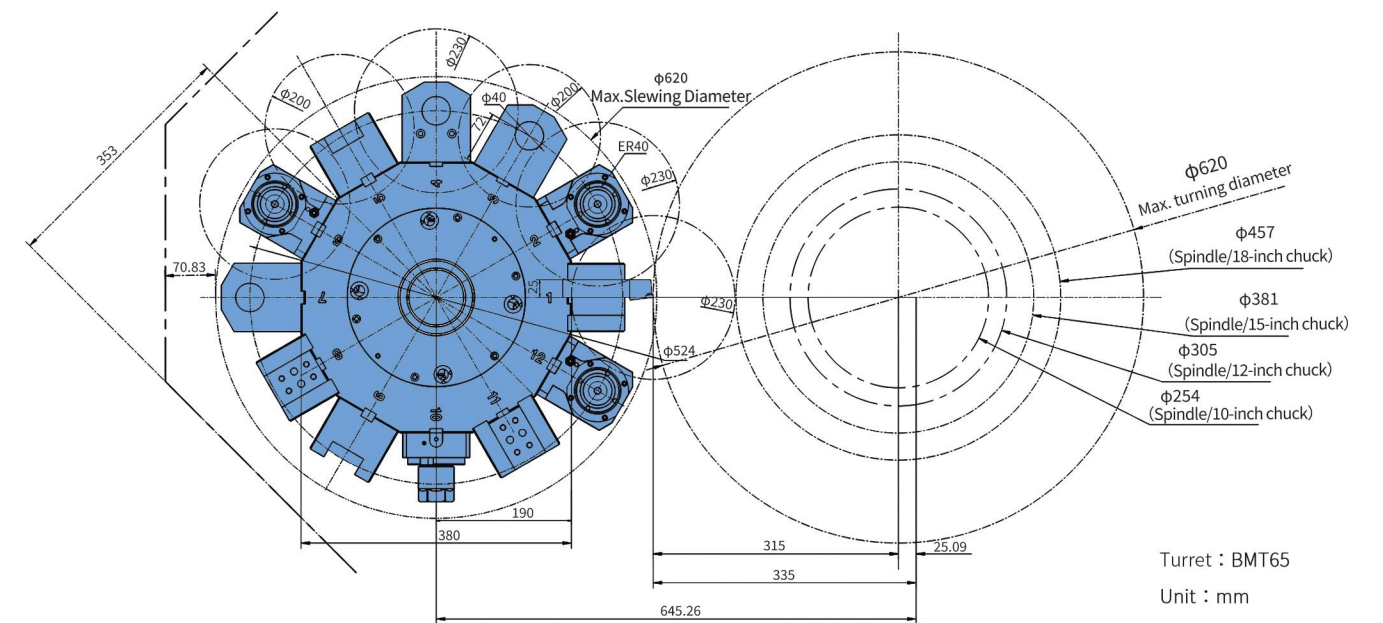


# TOOL INTERFERENCE PATTERN

## Turning turret



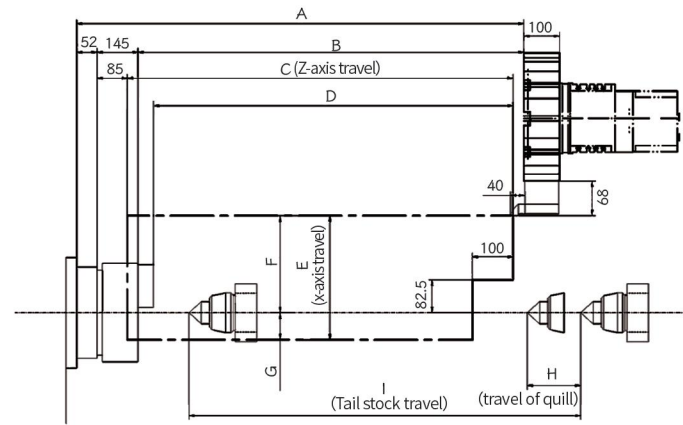
## BMT65 Power turret



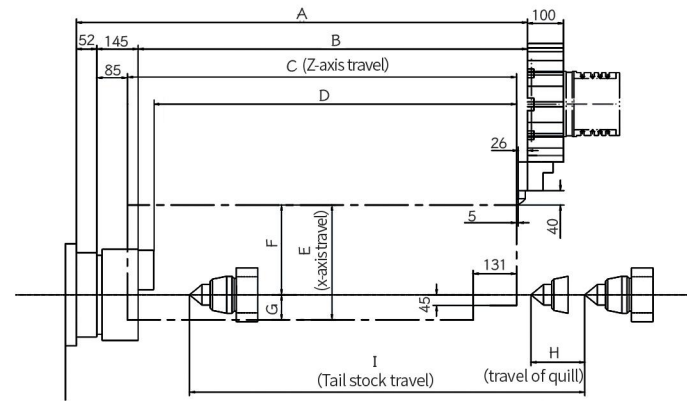
# WORKING RANGE

## Tuning turret

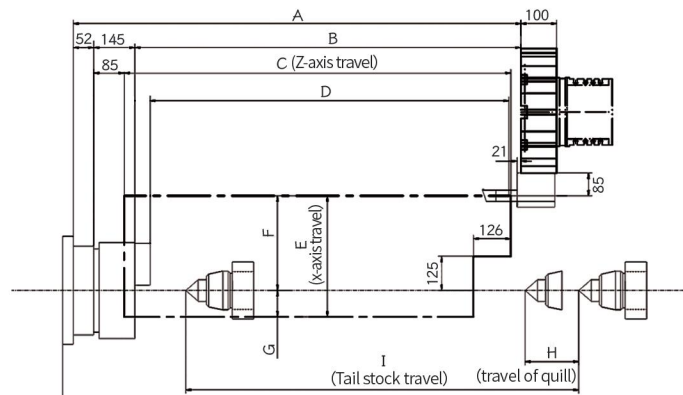
### End face block



### OD tool block



### Boring tool block



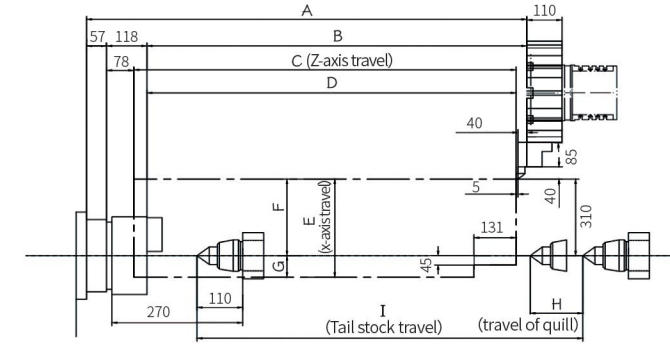
Tool holder		End face / O.D / Boring				Tail stock travel
Model	Travel	A	B	C	D	I
TCK700-1000		1180	1020	1010	947	1100
TCK700-1500		1680	1520	1510	1447	1600
TCK700-2000		2180	2020	2010	1947	2100
TCK700-3000		3180	3020	3010	2947	3100
TCK700-4000		4180	4020	4010	3947	4100
TCK700-5000		5180	5020	5010	4947	5100

Model	Tool holder	Travel	E	F	G	H
TCK700 (1000-4000)	End face block			300	40	
	OD tool block		385	360	29	200
	Boring tool block			320	25	

# WORKING RANGE

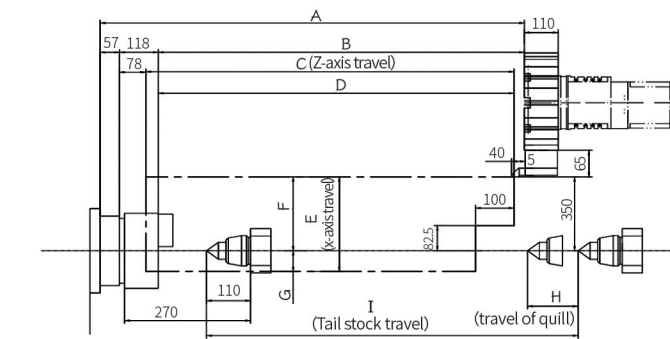
## BMT65 Power turret

### OD tool block



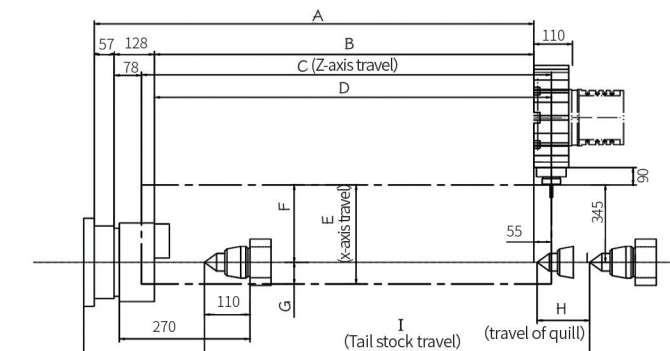
Model	Travel	A	B	C	D	E	F	G	H	I
TCK700-1000		1125	940	1000	950					1050
TCK700-1500		1625	1440	1500	1450					1550
TCK700-2000		2125	1940	2000	1950					2050
TCK700-3000		3125	2940	3000	2950	385	360	25	200	3050
TCK700-4000		4125	3940	4000	3950					4050
TCK700-5000		5125	4940	5000	4950					5050

### End face block

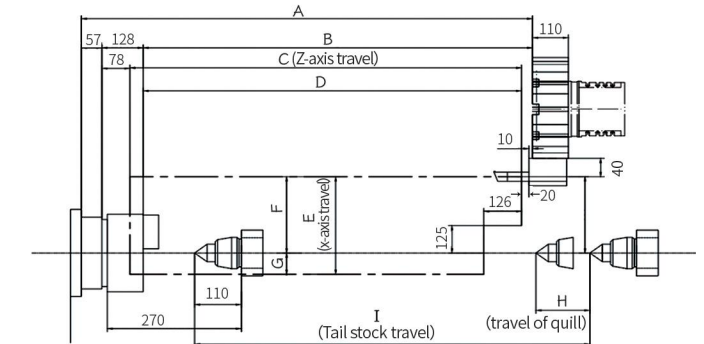


Model	Travel	A	B	C	D	E	F	G	H	I
TCK700-1000		1145	940	940	950					1050
TCK700-1500		1645	1440	1440	1450					1550
TCK700-2000		2145	1940	1940	1950					2050
TCK700-3000		3145	2940	2940	2950	380	350	30	200	3050
TCK700-4000		4145	3940	3940	3950					4050
TCK700-5000		5145	4940	4940	4950					5050

### Radial living tool holder

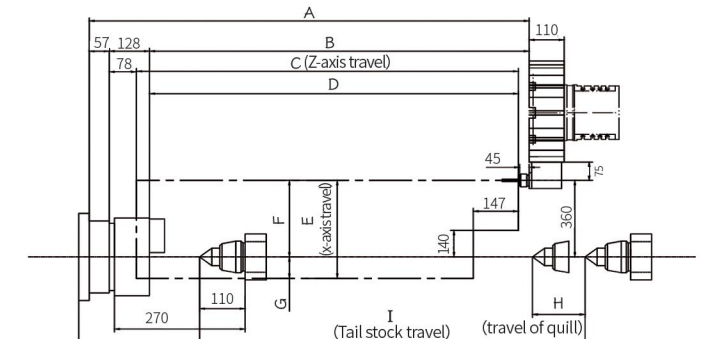


### Boring tool block



Model	Travel	A	B	C	D	E	F	G	H	I
TCK700-1000		1125	940	1015	965					1050
TCK700-1500		1625	1440	1515	1465					1550
TCK700-2000		2125	1940	2015	1965					2050
TCK700-3000		3125	2940	3015	2965	380	335	45	200	3050
TCK700-4000		4125	3940	4015	3965					4050
TCK700-5000		5125	4940	5015	4965					5050

### Axial living tool holder

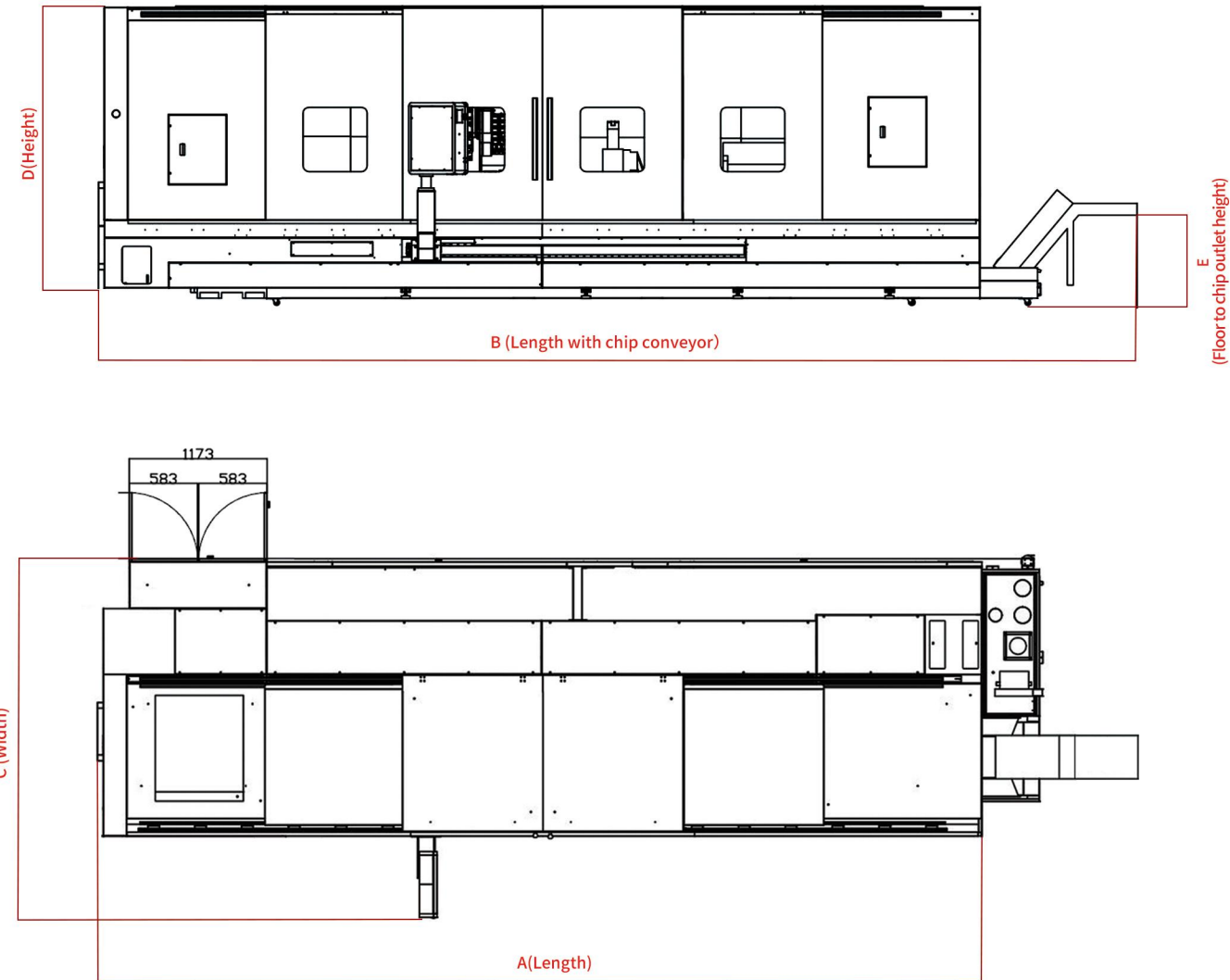


Model	Travel	A	B	C	D	E	F	G	H	I
TCK700-1000		1125	940	1045	950					1050
TCK700-1500		1625	1440	1545	1450					1550
TCK700-2000		2125	1940	2045	1950					2050
TCK700-3000		3125	2940	3045	2950	380	360	20	200	3050
TCK700-4000		4125	3940	4045	3950					4050
TCK700-5000		5125	4940	5045	4950					5050

Model	Travel	A	B	C	D	E	F	G	H	I
TCK700-1000		1125	940	1090	1050					1050
TCK700-1500		1625	1440	1590	1550					1550
TCK700-2000		2125	1940	2090	2050					2050
TCK700-3000		3125	2940	3090	3050	375	345	30	200	3050
TCK700-4000		4125	3940	4090	4050					4050
TCK700-5000		5125	4940	5090	5050					5050

# OVERALL DIMENSIONS

## TCK700 series



Unit : mm

Model	A (Length)	B (Length with chip conveyor)	C (Width)	D (Height)	E (Floor to chip outlet height)
TCK700-1000	4000	5400	2700	2400	830
TCK700-1500	4550	5950	3000	2400	
TCK700-2000	5500	6900	3000	2400	
TCK700-3000	6700	8100	3000	2400	
TCK700-4000	7600	9000	3100	2400	
TCK700-5000	8600	10000	3100	2400	

\* 500mm of a space is required to the right of the machine in order to install and remove chip conveyor.

\* Machine foundation : Anchoring is recommended to maintain accuracy over a long period of time, The anchor bolts and other related parts of foundation work are supplied as standard items. Please consult with DONGS Solutions and sales technicians regarding ground and operating conditions.

\* Some peripheral equipment can be placed in other places.

# MACHINE SPECIFICATIONS

## TCK700 series

Description		Unit	TCK700		TCK800	
Capacity	Swing over bed	mm	Φ 780		Φ 850	
	Swing over saddle	mm	Φ 500		Φ 630	
	Chuck size	inch	12/15/18/21/24			
Travels	X-axis	mm	350			
	Y-axis	mm	±75			
	Z-axis	mm	1000/1500/2000/3000/4000/5000			
Feedrates	Rapid traverse rate	X-axis	m/min	16		
		Y-axis	m/min	10		
		Z-axis	m/min	16		
Main Spindle	Main spindle motor power	KW	22 {30}			
	Spindle nose	ASA	A2-8	A2-11	A2-11	A2-15
	Through hole of main spindle	mm	Φ86	Φ105	Φ132	Φ181 Φ220
	Bar capacity	mm	75	90	120	166 220
	Spindle bearing diameter (Front)	mm	180	240	280	360 420
Turret	No. of tool stations	ea	12			
	OD tool size	mm	32X32			
	Max. boring bar size	mm	50			
	Turret indexing time (1 station swivel)	s	0.5			
	Max. rotary tool speed	r/min	BMT65 (4000)			
	Rotary tool motor power	KW	5.5/7.5			
Tailstock	Tail stock travel	mm	1100/1600/2100/3100/4100/5100			
	Sleeve diameter	mm	150/160			
	Travel of sleeve	mm	180			
	Sleeve bore taper	MT	MT5/MT6			

## Global Services

DONGS Machine Tool Global Service,  
24-hour rapid response to customer needs

DONGS Machine Tool provides systematic services for all pre-sales and after-sales processes, responding quickly to customer needs and resolving issues quickly. From the supply of machine tool equipment and equipment spare parts to product training, troubleshooting, and technical support, we can provide customers with fast services through our service network. °



## Global Operations Center

- Russia Operations Center
- South Africa Operations Center
- European Operations Center
- Turkey Operations Center
- Zhejiang Ningbo Operation Center
- Jiangsu Operation Center
- Guangdong Operation Center
- Sichuan Chengdu Operation Center

## Customer Support Service

We help customers to achieve success by providing a variety of professional services from pre-sales consultancy to post-sales support.



Field Services / Training

On-site installation/testing and regular maintenance of machines/Programming/machine setupoperation/applications



Technical Support

Support processing methods and technologies, answer technical questions



Processing capacity

High-end precision mother machines continuously set global manufacturing accuracy standards, ensuring product precision.

