

HTC II Series horizontal CNC lathe -Introduction

Features description



- Front spindle adopts double-row cylindrical roller bearings and high-speed angular contact thrust ball bearings, the rear end of a cylindrical roller bearing support.
- One-piece casting bed, Rail linear /the sliding rail.
- Self-made servo turret.
- Direct motor with ball screw drive two-axis feed, screw loading axial pre-stretch.
- Full enclosure with top cover



Machine model	HTC150II	HTC200II	HTC300II
Max. swing diameter over the bed(mm)	Φ550	Φ620	Φ620
Max. swing diameter over the saddle(mm)	Φ300	Φ410	Φ420
Max. turning diameter(mm)	Φ300	Φ400	Φ520
Max. bar capacity(mm)	Φ50	Φ50	Φ60

Machine parameter specifications-HTC150II

Project			HTC150II		Project			HTC150II	
			290	520				290	520
Scope of work	The bed of the maximum swing diameter	mm	Φ550		Tailstock	Tailstock sleeve diameter	mm	Φ60 (OP)	φ60
	The saddle on the max. swing diameter	mm	Φ300			Tailstock specifications	-	MT.NO 04 (OP)	MT.NO 5
	Maximum turning diameter	mm	Φ300			Tailstock sleeve stroke	mm	90	-
	Maximum turning length	mm	290	520		Tailstock stroke	mm	275	520
	Spindle Center according to height	mm	1030		Turret	Type	-	servo turret V8	
Maximum spindle speed	rpm	built-in 4500(OP 6000)		Knife Party size		mm	25×25		
Spindle power continuous/Maximum	kW	11/15		Maximum bar dia.		mm	Φ32		
Spindle torque continuous/Maximum	Nm	158/211		Adjacent bits tool change time		s	0.2		
spindle	Spindle nose spec.	-	JISA2-6		Power capacity		kVA	30	
	Spindle through hole diameter	mm	Φ62		Cooling water tank capacity		L	180	200
	Bar maximum diameter	mm	Φ50		Machine weight		T	3.8	4.3
	Chuck specifications	Inch	8 (OP10)		CNC system		-	FANUC 0i-TF	
	Servo axis	X/Z Stroke	mm	180/345	180/573	Machine dimensions L× W × H (Without chip conveyor)	mm	1900×1580×1750	2300×1600×1750
X/Z Rapid moving speed		m/min	30/30						
X/Z Motor power		kW	1.2/1.2						
X/Z Positioning accuracy		mm	0.008/0.008	0.008/0.010					
X/Z Repeat positioning accuracy		mm	0.005/0.005	0.005/0.005					

Machine parameter specifications-HTC200II

Project			HTC200II		Project			HTC200II	
			360	560				360	560
Scope of work	The bed of the maximum swing dia.	mm	Φ620		Tailstock	Tailstock sleeve dia.	mm	Φ100 (OP)	Φ100
	The saddle on the maximum swing dia.	mm	Φ410			Tailstock specifications	-	MT.NO 04 (OP)	MT.NO 05
	Maximum turning dia.	mm	Φ400			Tailstock sleeve stroke	mm	122	122
	Maximum turning length	mm	360	560		Tailstock stroke	mm	350	550
	Spindle Center according to height	mm	1035		Turret	Type	-	Servo turret V12	
Maximum spindle speed	rpm	built-in 4500		Knife Party size		mm	25×25		
Spindle power continuous/Maximum	kW	11/15		Max. bar dia.		mm	Φ40		
Spindle torque continuous/Maximum	Nm	158/211		Adjacent bits tool change time		s	0.2		
Spindle	Spindle nose specifications	-	JISA2-6		Power capacity		kVA	35	
	Spindle through hole dia.	mm	Φ62		Cooling water tank capacity		L	225	240
	Bar maximum diameter	mm	Φ50		Machine weight		T	4.2	4.8
	Chuck specifications	Inch	8 (OP10)		CNC system		-	FANUC 0i-TF	
	X/ZStroke	mm	215/415	215/615	Machine dimensionsL ×W ×H (Without chip conveyor)		cm	2817×1850×1795 3097×1850×1795	
	X/ZRapid moving speed	m/min	24/30						
	X/Z Motor power	kW	1.8/1.8						
X/ZPositioning accuracy	mm	0.008/0.008	0.008/0.010						
X/ZRepeat positioning accuracy	mm	0.005/0.005	0.005/0.005						

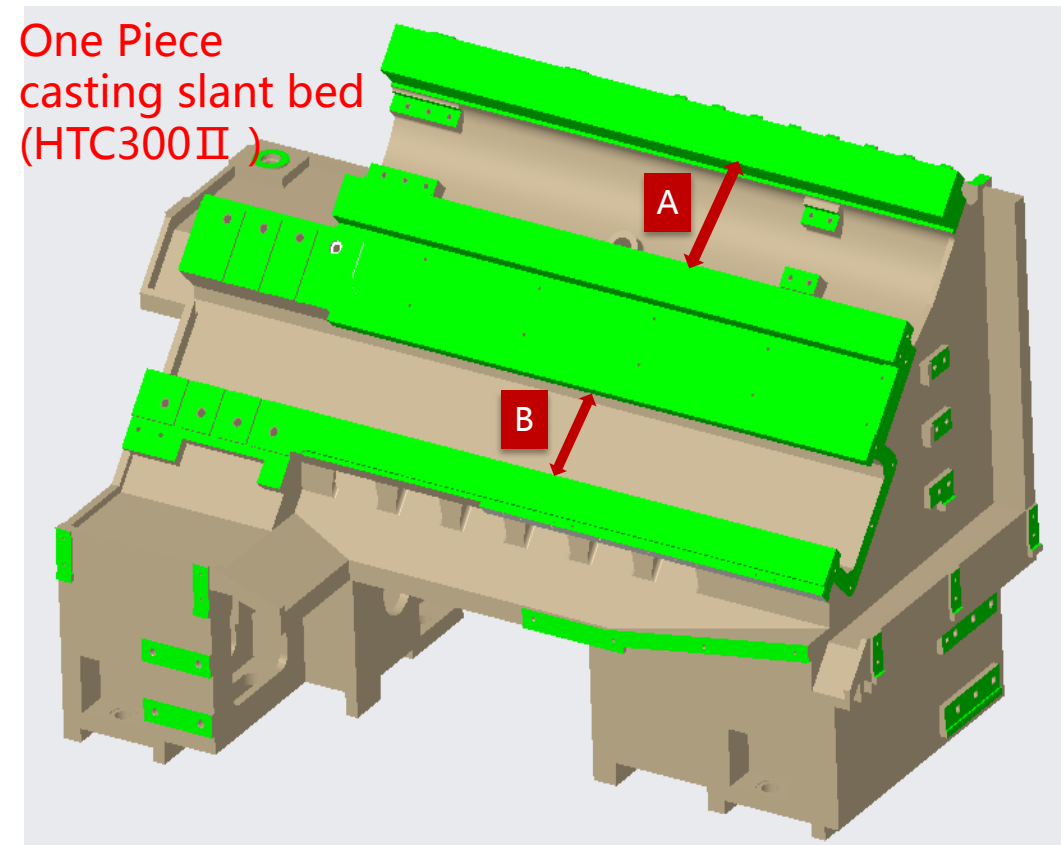
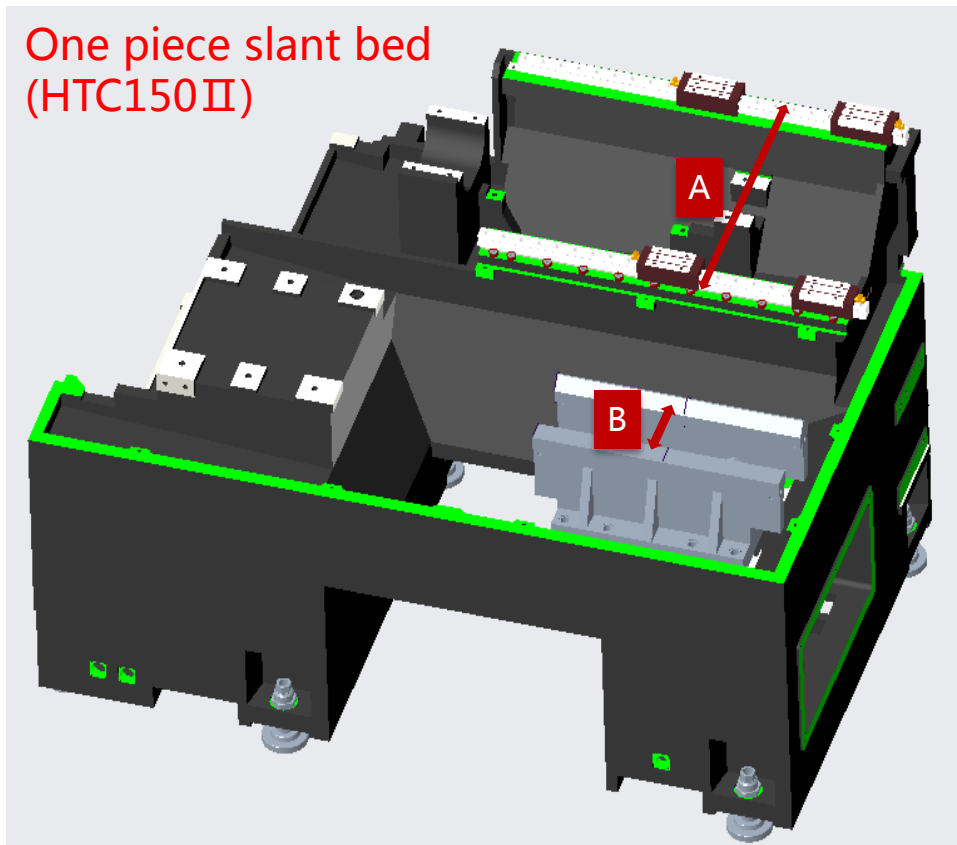
Machine parameter specifications-HTC300II

Project			HTC300II × 580	Project			HTC300II × 580
Scope of work	The bed of the maximum swing dia.	mm	Φ620	Tailstock	Tailstock sleeve dia.	mm	Φ100
	The saddle on the maximum swing dia.	mm	Φ420		Tailstock specifications	-	MT.NO 04
	Maximum turning dia.	mm	Φ520		Tailstock sleeve stroke	mm	120
	Maximum turning length	mm	600		Tailstock stroke	mm	500
	Spindle Center according to height	mm	1110	Turret	Type	-	Servo turret V12
Maximum spindle speed	rpm	built-in 3500	Knife Party size		mm	25×25	
Spindle power continuous/Maximum	kW	15/18.5	Max. bar dia.		mm	Φ40	
Spindle torque continuous/Maximum	Nm	251/305	Adjacent bits tool change time		s	0.2	
Spindle	Spindle nose specifications	-	JISA2-8	Power capacity	kVA	35	
	Spindle through hole dia.	mm	Φ76	Cooling water tank capacity	L	280	
	Bar maximum diameter	mm	Φ65	Machine weight	T	5.3	
	Chuck specifications	Inch	10 (OP12)	CNC system	-	FANUC 0i-TF	
Servo axis	X/ZStroke	mm	280/695	Machine dimensionsL ×W ×H (Without chip conveyor)	cm	2600×1800×2135	
	X/ZRapid moving speed	m/min	24/30				
	X/Z Motor power	kW	3/3				
	X/ZPositioning accuracy	mm	0.008/0.012				
	X/ZRepeat positioning accuracy	mm	0.005/0.008				

One piece slant bed

Machine model			HTC150II	HTC300II
Z Shaft	Rail line/Rail span A	mm	300	225
	Line rail width	mm	28	-
The tail under the seat rail spanB		mm	110 (Option)	190

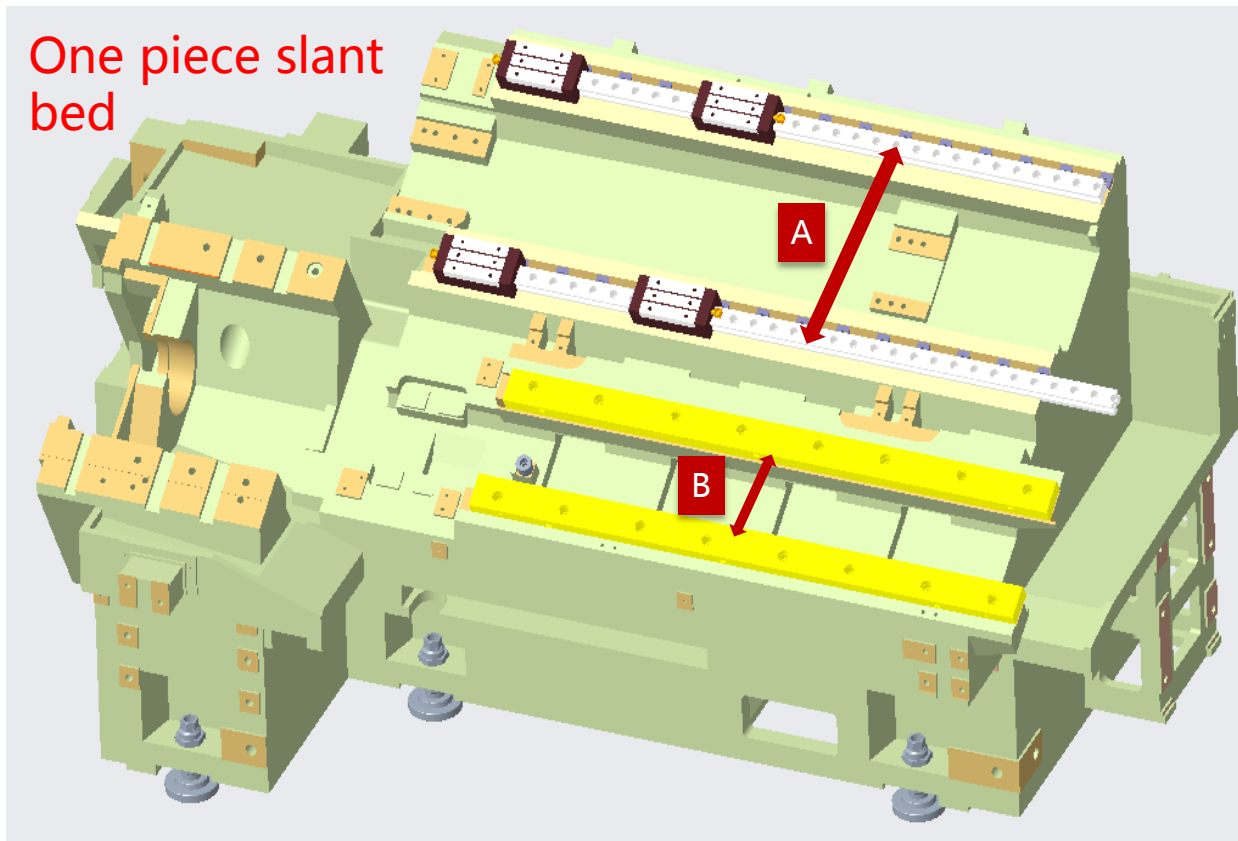
HISKON



- One piece casting bed
- Strong rigidity Tilt bed
- Chip easy

One piece slant bed

Machine model			HTC200II×360	HTC200II×560
ZShaft	Line rail span A	mm	370	
	Line rail width	mm	34	
The tail under the seat rail spanB		mm	140 (Option)	140 (Standard)

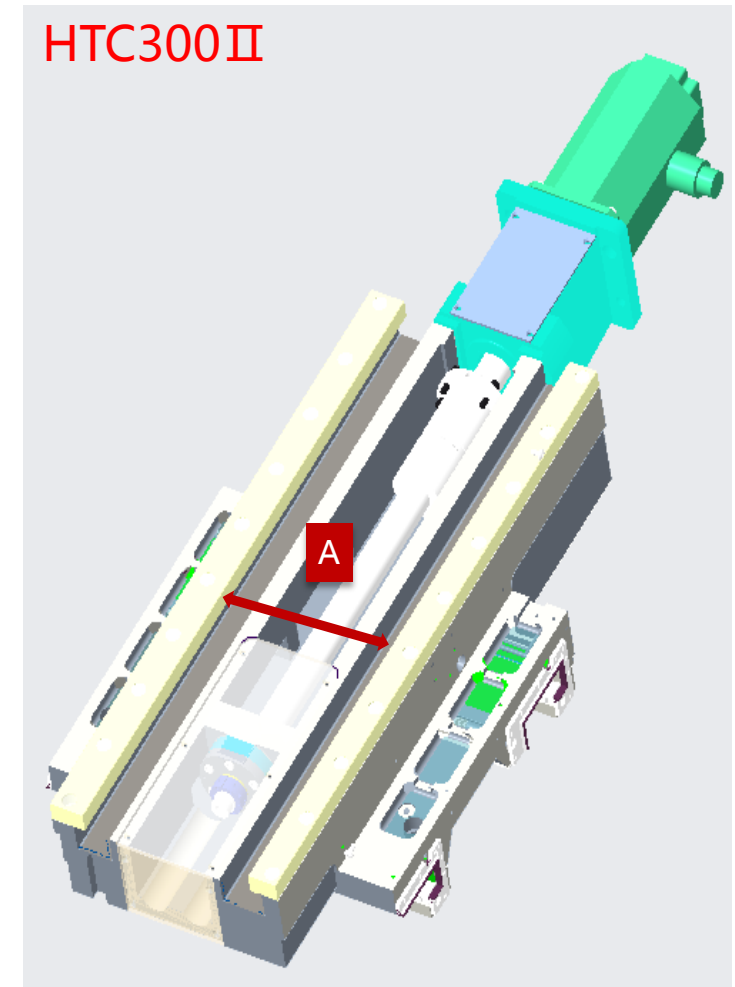
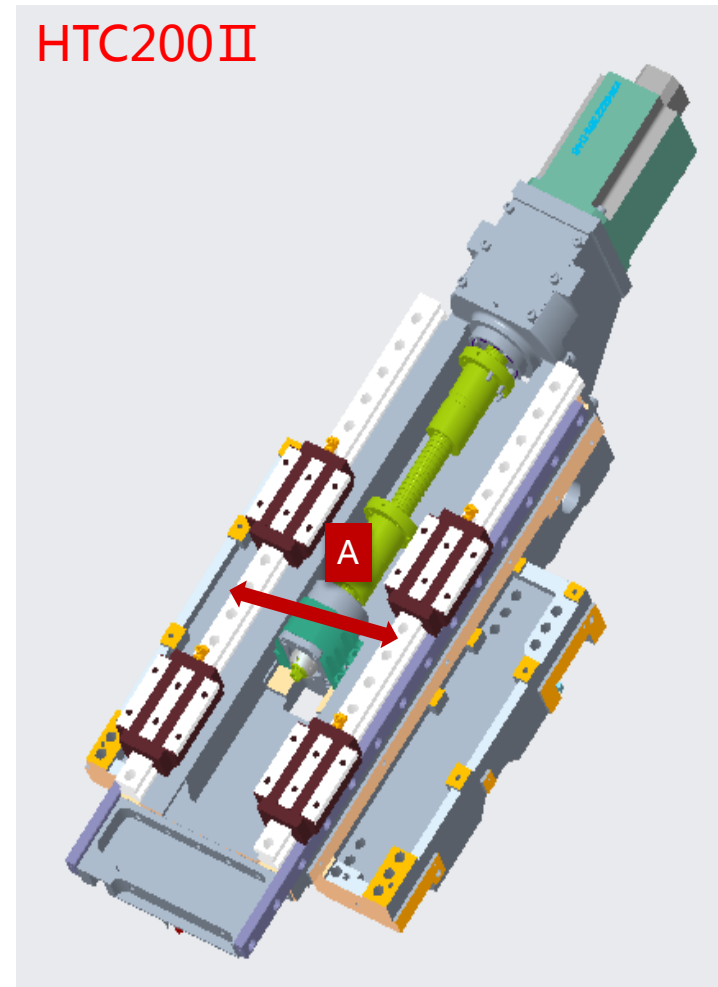
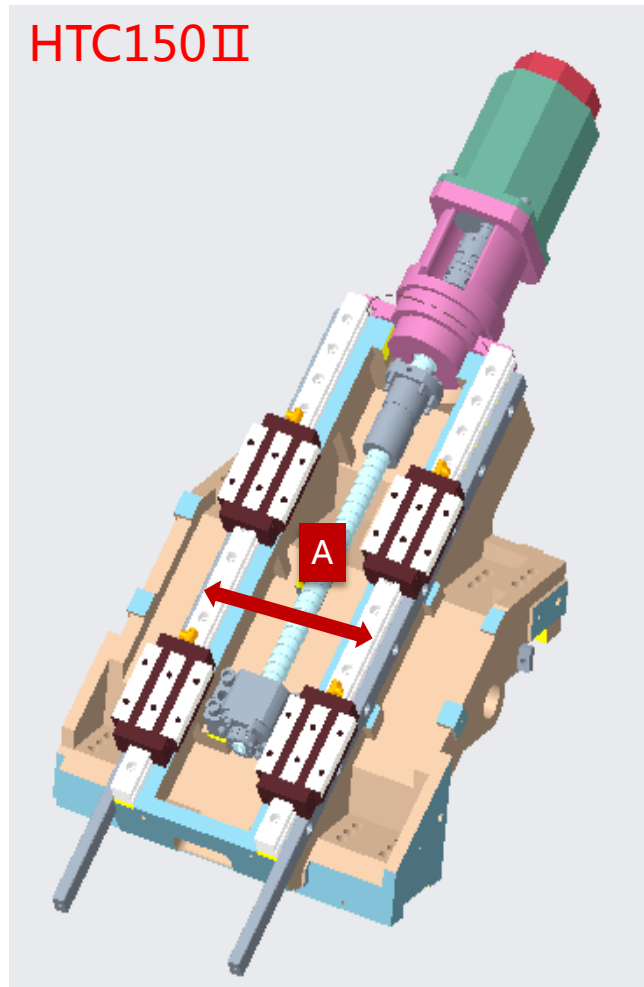


One piece slant bed

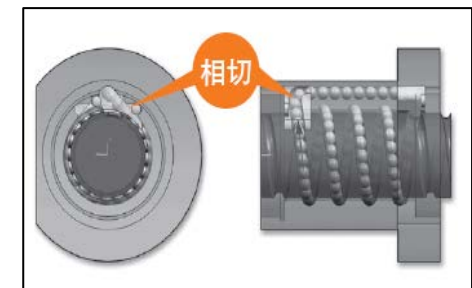
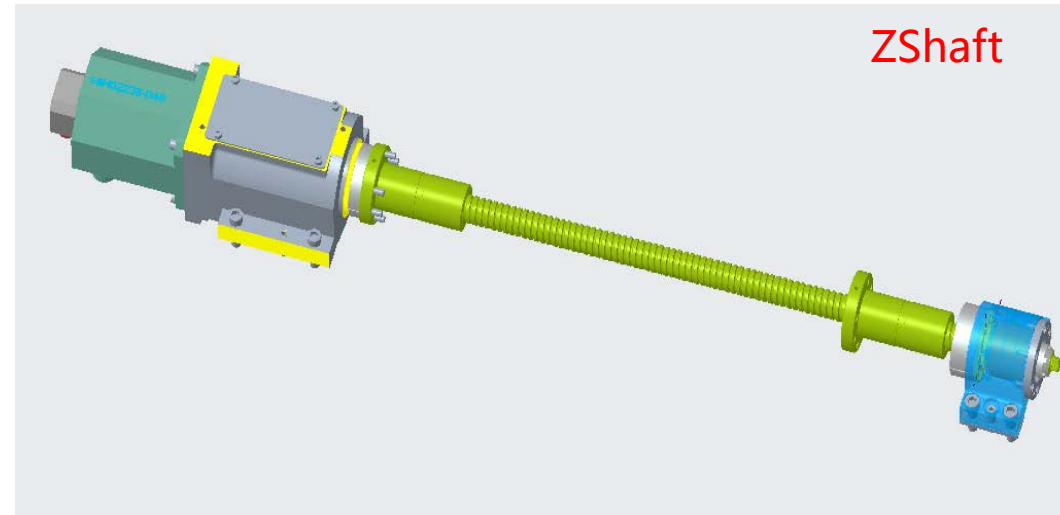
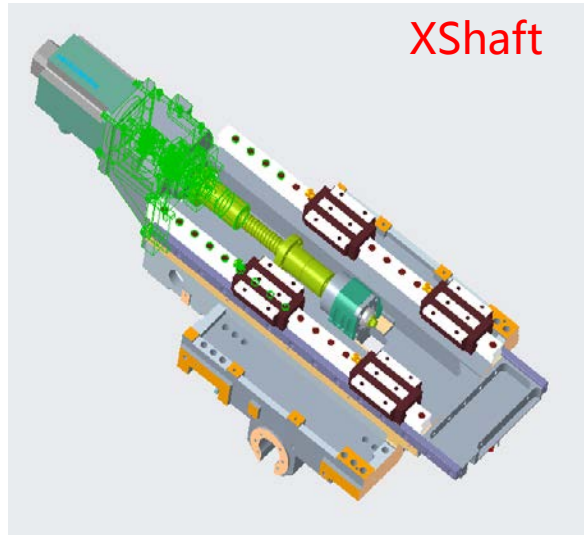
- One piece casting bed
- Strong rigidity Tilt bed
- Chip easy

Saddle parameters

Machine model		HTC150II	HTC200II	HTC300II
Rail line/Rail spanA	mm	200	230	240 (Internal width)
Line rail width	mm	28	34	-



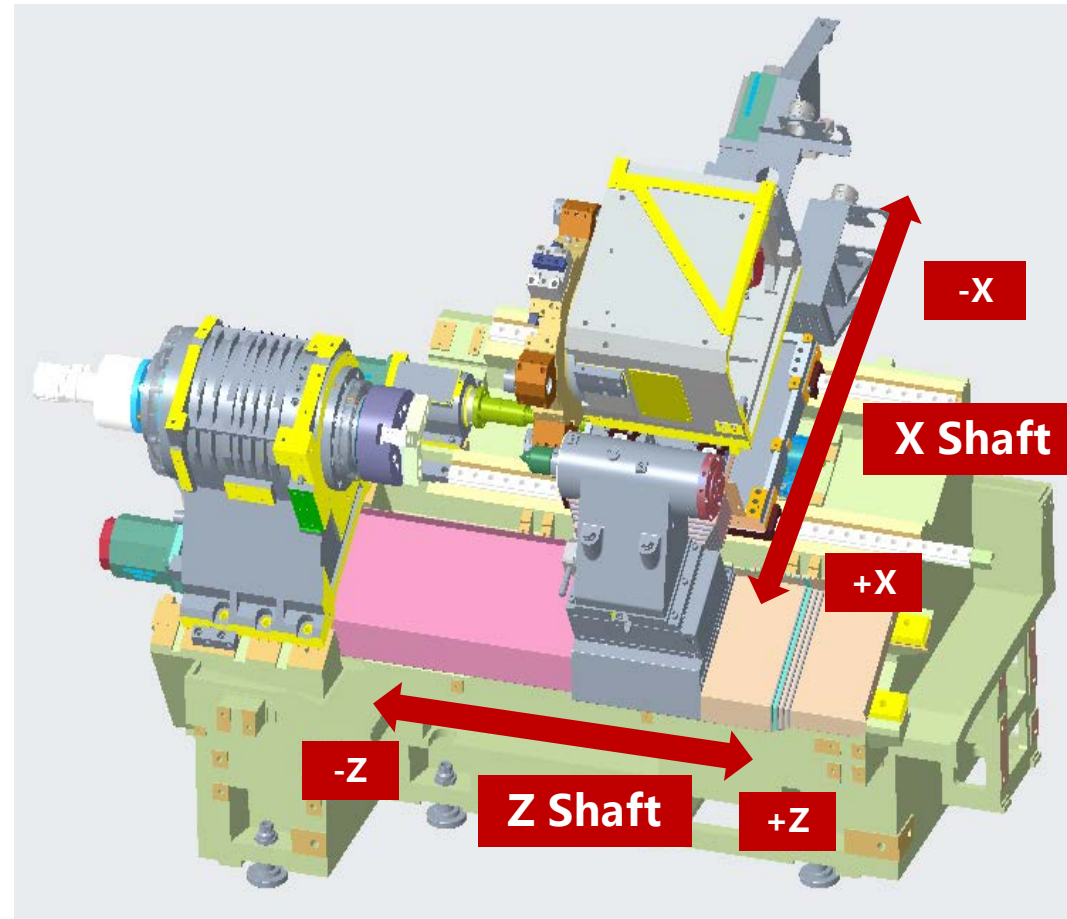
X/Z Axis parameters



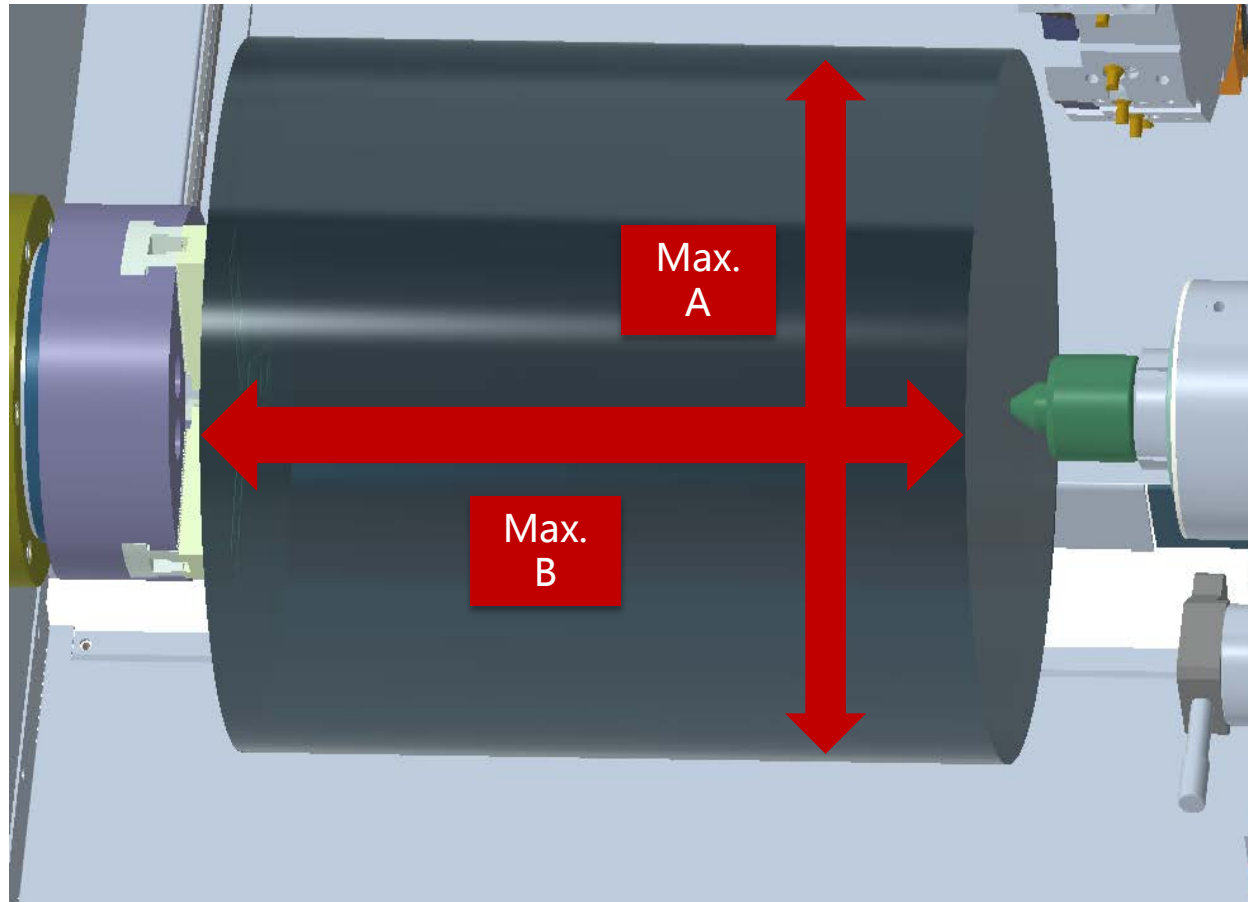
Machine type	Servo axis	Brand	Screw size (mm)		Basic rated load (kgf)		Screw precision grade
			Outer diameter	Lead	Basic dynamic load rating	Basic static load rating	
HTC150II	X	PMI	Φ 28	10	2340	5710	C3
	Z		Φ 32	10	2550	7500	
HTC200II	X	PMI	Φ 32	8	1900	4680	C3
	Z		Φ 32	10	2550	7500	
HTC300II	X/Z	PMI	Φ 40	10	6430	18440	C3

X/Z Axis parameters

Machine model			HTC150II ×290	HTC150II×58 0	HTC200II×36 0	HTC200II×56 0	HTC300II×5 80
X	Stroke	mm	180		215		280
	Rapid moving speed	m/min	30	24	24		
Z	Stroke	mm	345	573	410	610	695
	Rapid moving speed	m/min	30	30	30		



Processing range-HTC150/300 II Series



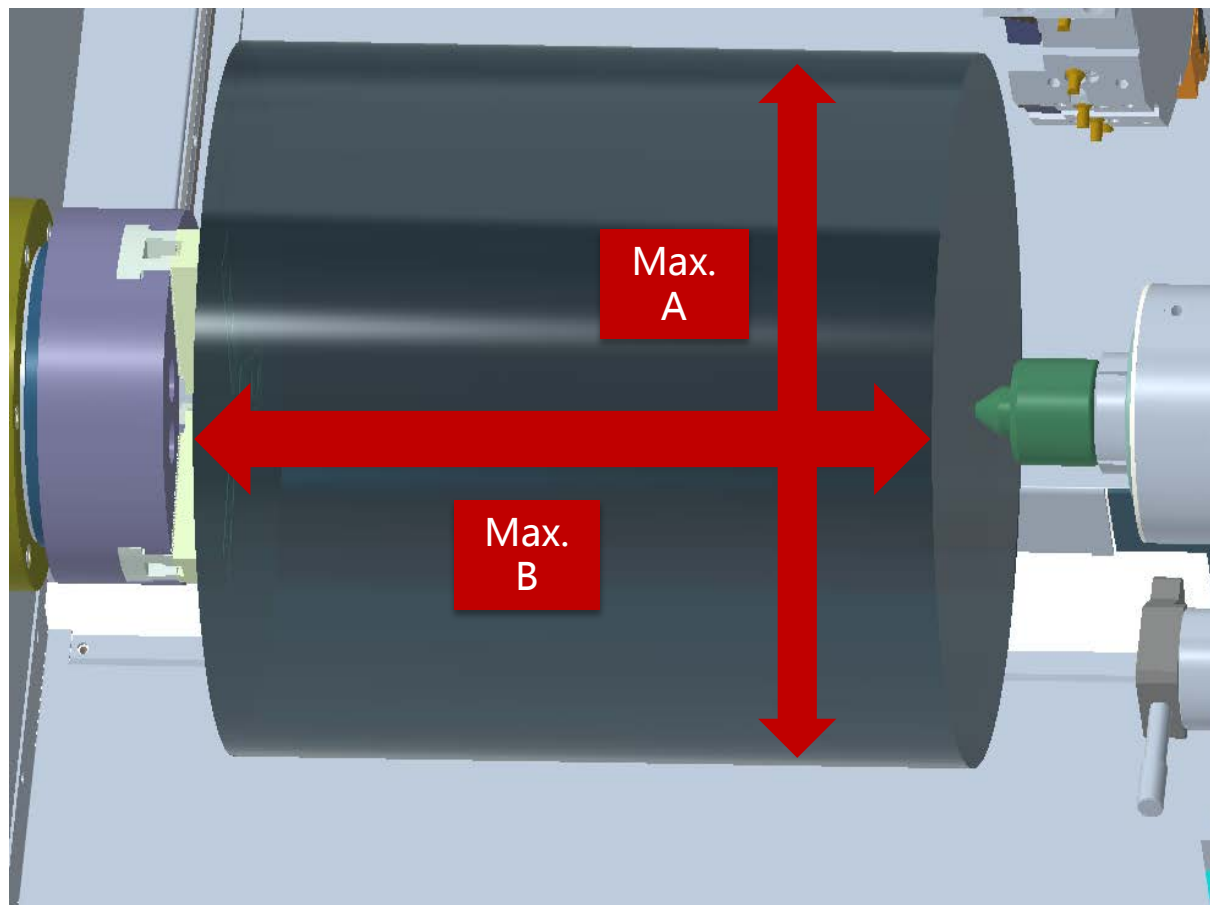
Machine model	Chuck sizeinch)	Maximum turning diameterA (mm)	Maximum turning lengthB (mm)
HTC150 II ×290/ 520	8	Φ300	290/520
	8 (Select hollow)		287/517
	10 (Selected solid)		273/503
	10 (Select hollow)		265/495
HTC300 II	10	Φ520	600
	10 (Select hollow)		592
	12 (Selected solid)		576
	12 (Select hollow)		290/520
			287/517

Note:

Maximum turning diameter: the tool the outer circle of the axial processing does not cross cutter;

Maximum turning length is from claw surface of the start date

Processing range-HTC200II Series



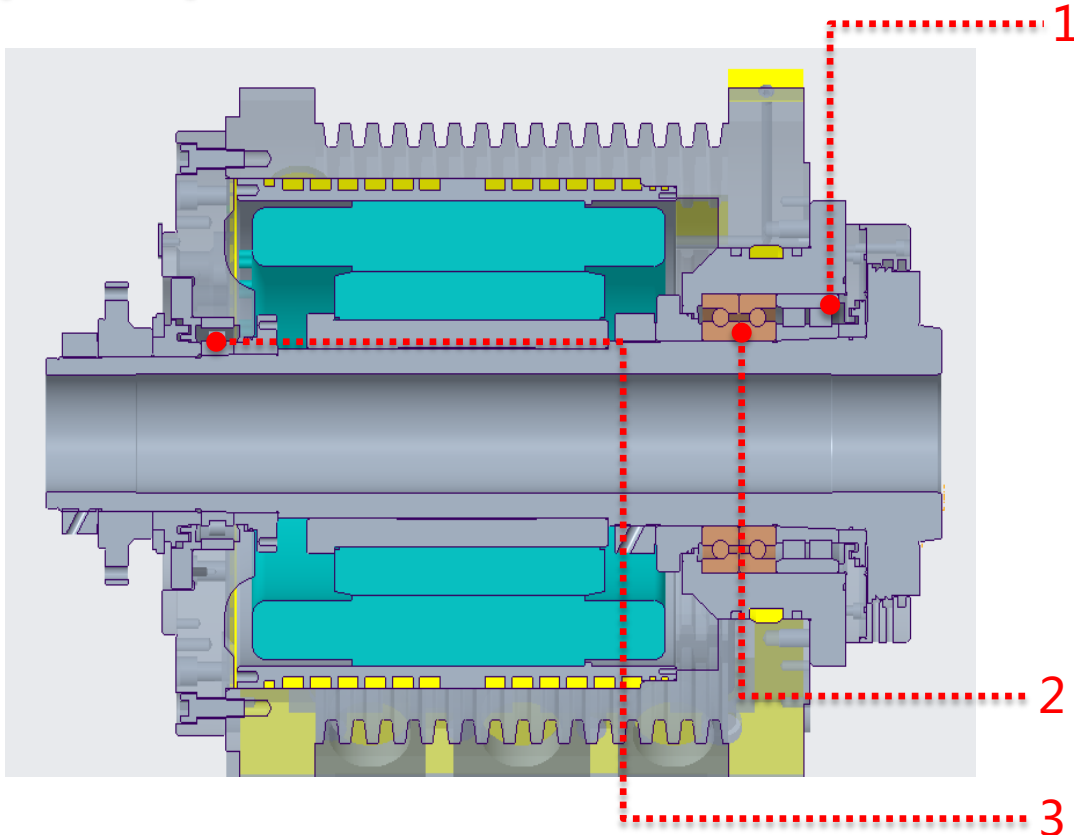
Machine model	Chuck size (inch)	Maximum turning diameterA (mm)	Maximum turning lengthB (mm)
HTC200II ×360	8	Φ400	360
	8 (Select hollow)		357
	10 (Selected solid)		343
	10 (Select hollow)		335
HTC200II ×560	8	Φ400	560
	8 (Select hollow)		552
	10 (Selected solid)		536
	10 (Select hollow)		535

Note:

Maximum turning diameter: the tool the outer circle of the axial processing does not cross cutter;

Maximum turning length is from claw surface of the start date

Spindle parameters-HTC150/200 ii Series with-FANUC



Maximum spindle speed: **4500rpm**

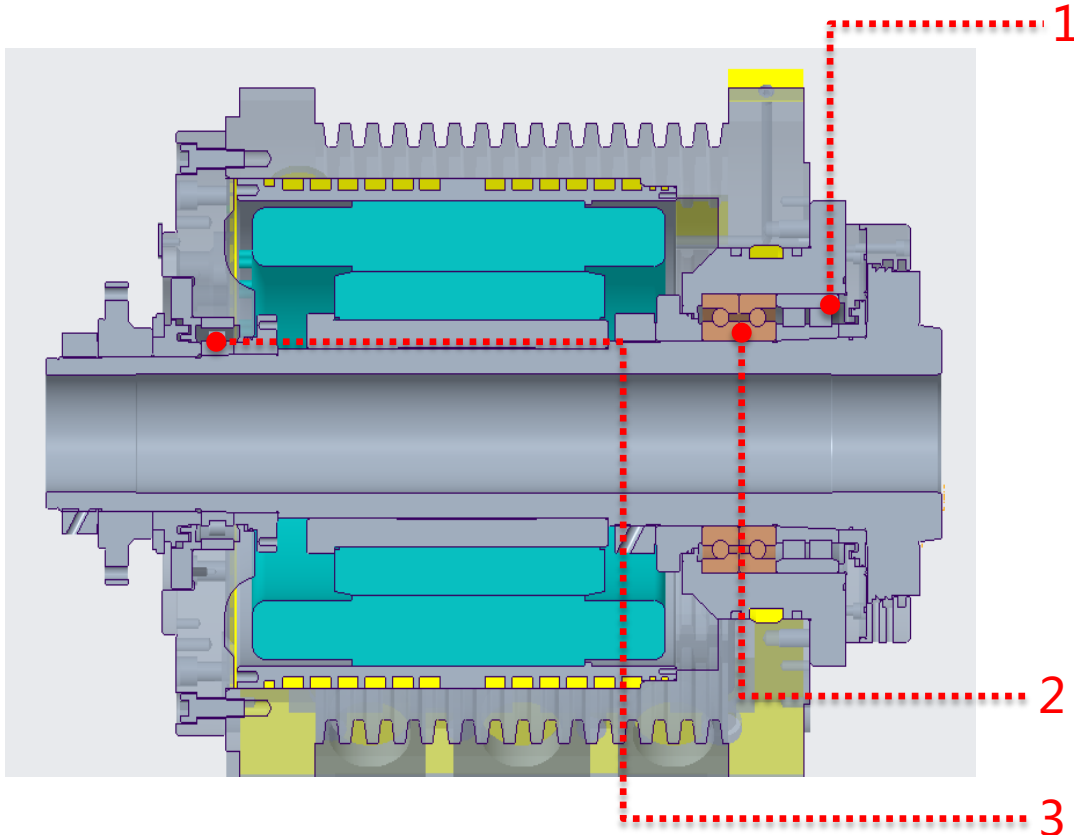
Spindle maximum power: **15kW**

Spindle maximum torque: **211Nm**

No	Bearing name	Brand	Bearing precision grade	Bearing inside dia.(mm)
1	Double row cylindrical roller bearings (front)	NSK	P4	100
2	High-speed angular contact thrust ball bearing (front)		P4	100
3	Angular contact ball bearing post		P5	90

Machine model	Chuck sizeinch)	Maximum spindle speedrpm)	Spindle power continuous/15Minutes (kW)	Spindle torque continuous/15Minutes (Nm)
HTC150/200 ii Series	8	4500	FANUC 11/15	FANUC 158/211
	8 (Select hollow)	4500		
	10 (Selected solid)	4000		
	10 (Select hollow)	4000		

Spindle parameters-HTC300II Series with-FANUC



Maximum spindle speed: **3500rpm**

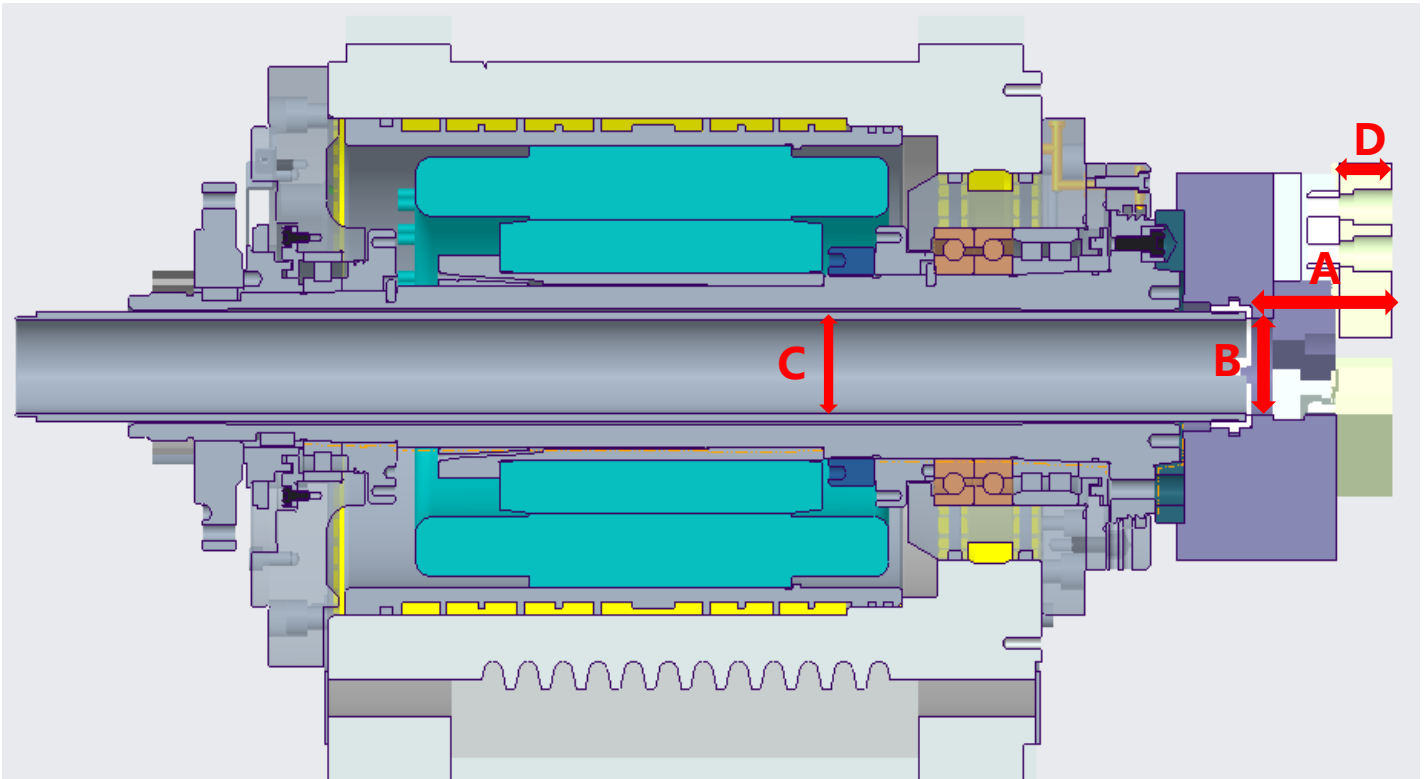
Spindle maximum power: **22kW**

Spindle maximum torque: **420Nm**

No	Bearing name	Brand	Bearing precision grade	Bearing inside dia. (mm)
1	Double row cylindrical roller bearings (front)	NSK	P4	120
2	High-speed angular contact thrust ball bearing (front)		P4	120
3	Angular contact ball bearing post		P5	110

Machine model	Chuck sizeinch)	Maximum spindle speedrpm)	Spindle power continuous/15Minutes (kW)	Spindle torque continuous/15Minutes (Nm)
HTC300II Series	10	3500	FANUC 15/18. 5	FANUC 119/305
	10 (Select hollow)	3500		
	12 (Selected solid)	3300		
	12 (Select hollow)	3300		

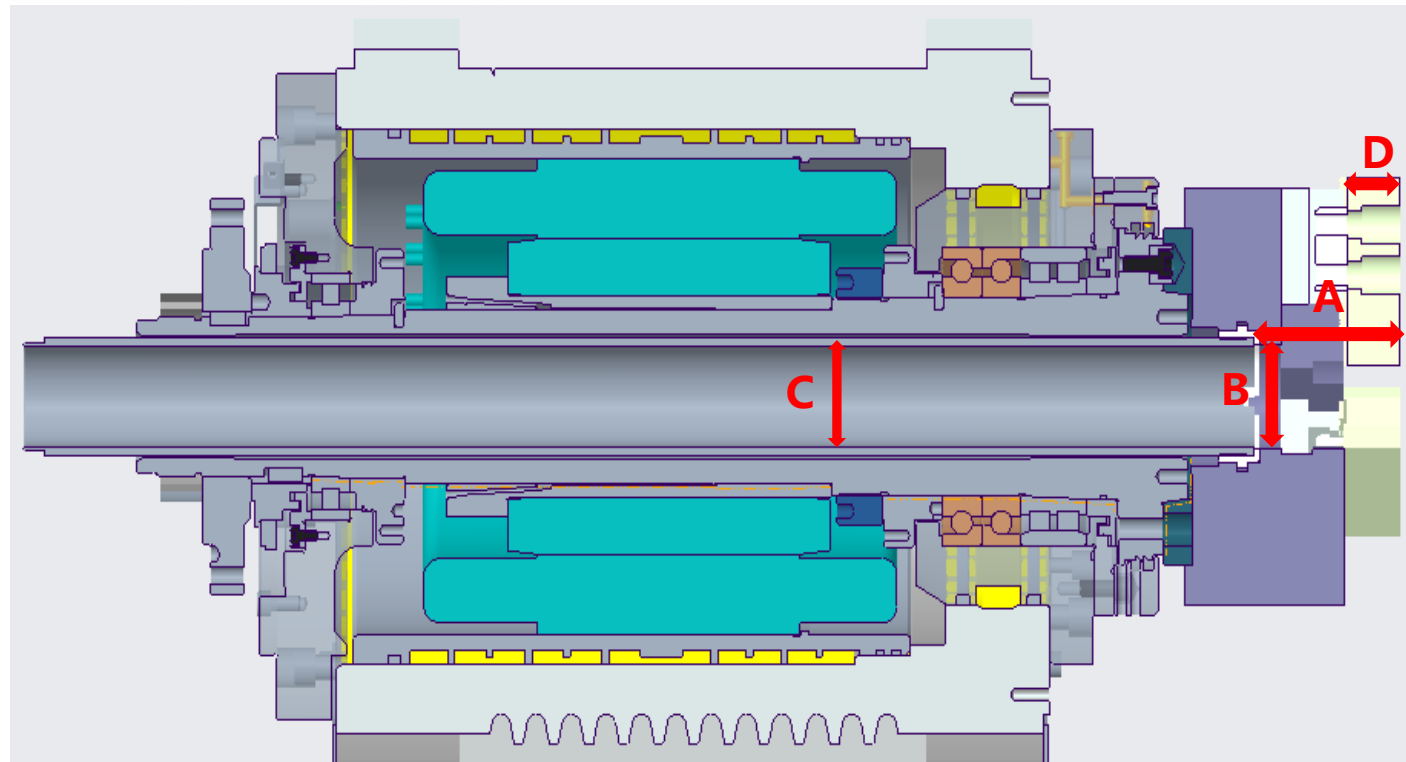
The bar parameter-HTC150II Series



Note: **Hollow** Chuck
HollowCylinder options
 bar from the Chuck
 side of the pass to the
 cylinder side, the rest of
 the omission

Machine model	Project	The Chuck can be inserted into the length of theA (mm)	Chuck through hole diameter B (mm)	Bar maximum diameter C (mm)	Jaw thickness D (mm)
HTC150II Series	8" In the real Chuck in real-cylinder (Std)	41	0	0	41
	8" Hollow Chuck hollow cylinder with	89	Φ52	Φ51	38
	8" Hollow Chuck in a solid cylinder with	89	Φ52	0	38
	10" Solid Chuck of the solid cylinder with	46	0	0	46
	10" Hollow Chuck hollow cylinder with	104.5	Φ75	Φ51	43
	10" Hollow Chuck in a solid cylinder with	104.5	Φ75	0	43

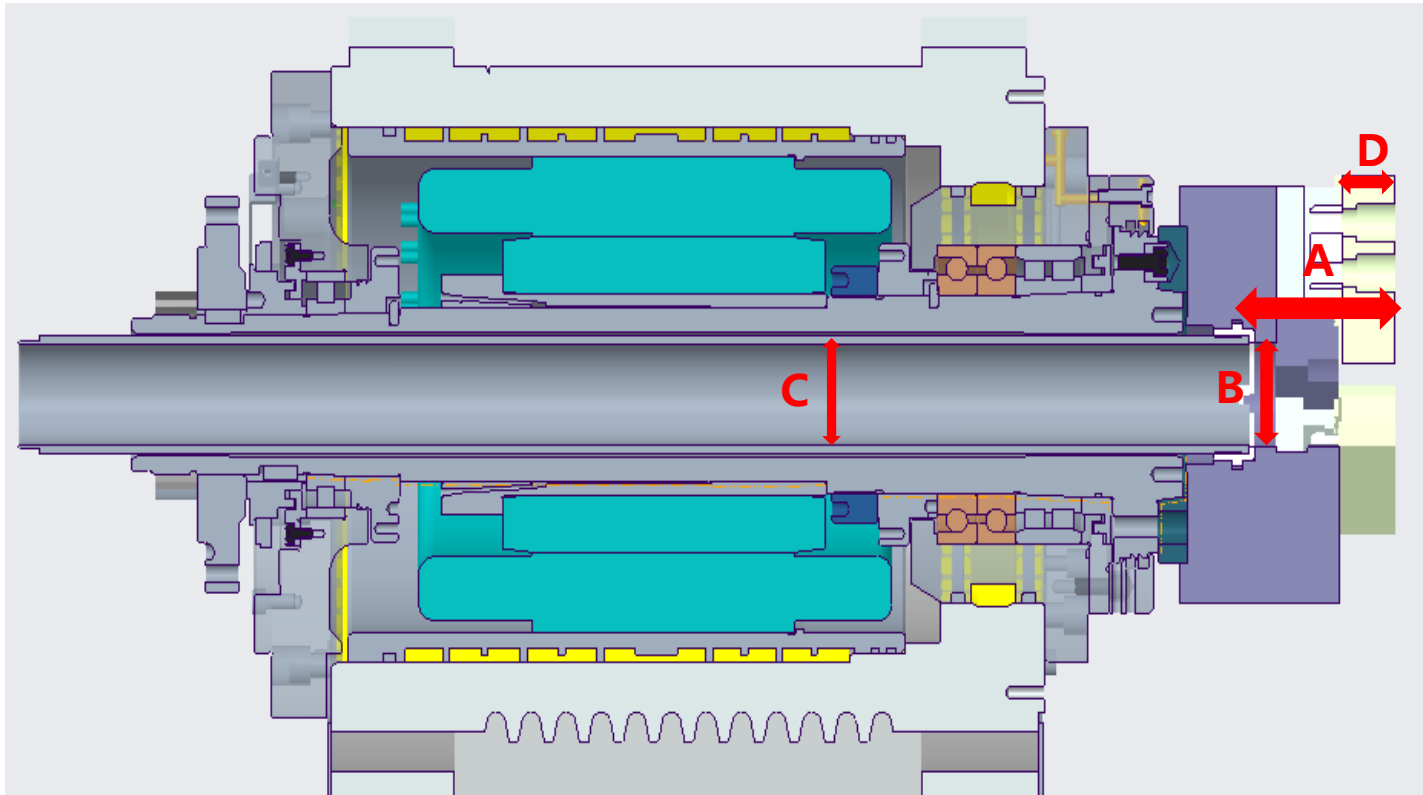
The bar parameter -HTC200II Series



Note: **Hollow** Chuck
Hollow Cylinder options
 bar from the Chuck side of
 the pass to the cylinder
 side, the rest of the
 omission; and

Machine model	Project	The Chuck can be inserted into the length of the A (mm)	Chuck through hole diameter B (mm)	Bar maximum diameter C (mm)	Jaw thickness D (mm)
HTC200 II Series	8" In the real Chuck in real-cylinder Std.	41	0	0	41
	8" Hollow Chuck hollow cylinder with	89	Φ52	Φ51	38
	8" Hollow Chuck in a solid cylinder with	89	Φ52	0	38
	10" Solid Chuck of the solid cylind. with	46	0	0	46
	10" Hollow Chuck hollow cylinder with	104.5	Φ75	Φ51	43
	10" Hollow Chuck in a solid cylind. with	104.5	Φ75	0	43

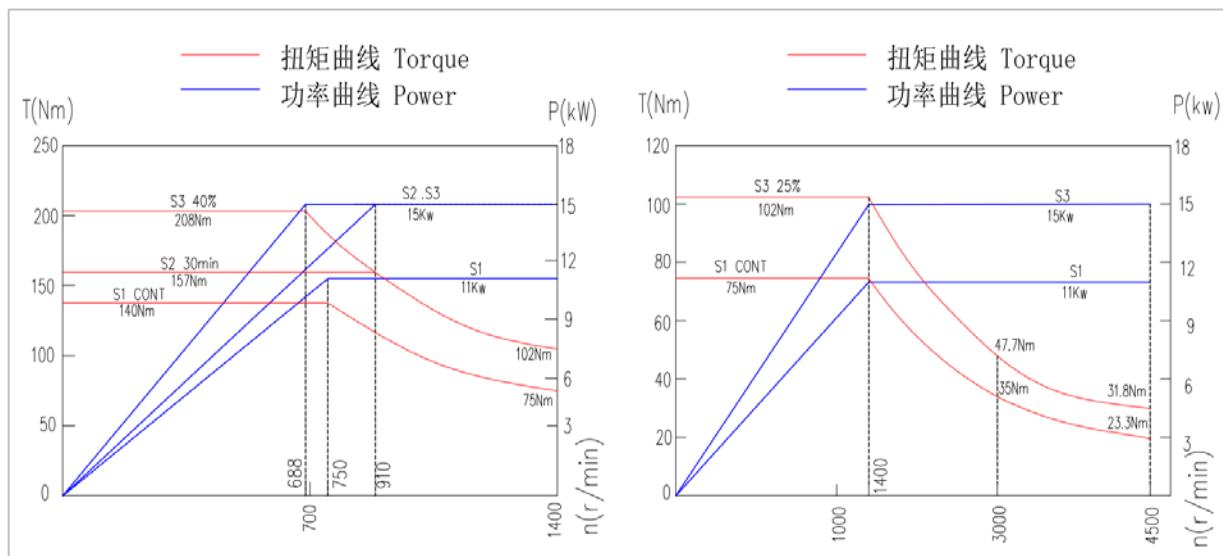
The bar parameter -HTC300II Series



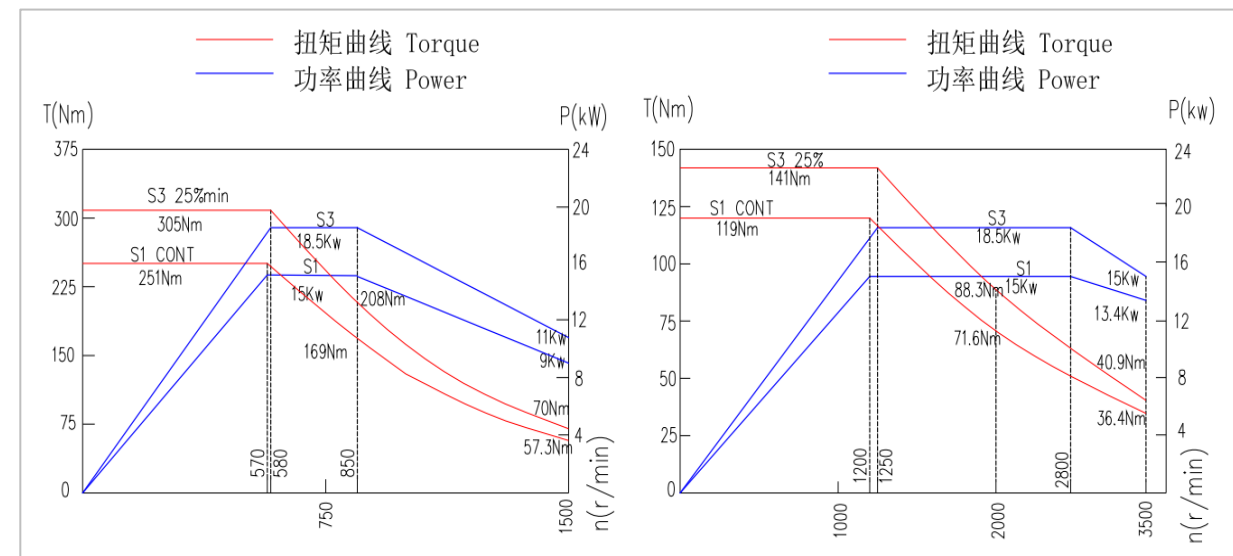
Note: **Hollow** Chuck
Hollow Cylinder options
 bar from the Chuck side of the pass to the cylinder side, the rest of the omission

Machine model	Project	The Chuck can be inserted into the length of theA(mm)	Chuck through hole diameter B (mm)	Bar maximum diameter C (mm)	Jaw thickness D (mm)
HTC300 II Series	10" In the real Chuck in real-cylinder (Std)	46	0	0	46
	10" Hollow Chuck hollow cylinder with	104.5	Φ75	Φ65	43
	10" Hollow Chuck in a solid cylinder with	104.5	Φ75	0	43
	12" Solid Chuck of the solid cylinder with	54	0	0	54
	12" Hollow Chuck hollow cylinder with	119	Φ91	Φ65	51
	12" Hollow Chuck in a solid cylinder with	119	Φ91	0	51

Spindle power-FANUC



HTC150II/200ii Series The Power-Torque diagram



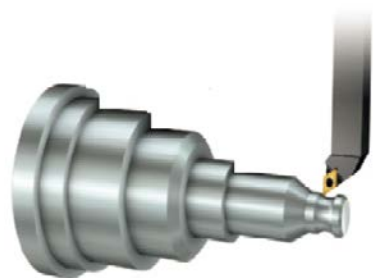
HTC300II Series The Power-Torque diagram

Cutting capacity

External turning			
	Unit	HTC150/20 0 ii Series	HTC300 ii Series
Material	-	45 Steel	
Spindle speed	rpm		
Cutting depth	mm		
Feed per tooth	mm/fz		
Metal removal rate	cm ^{Three} /min		

Internal turning			
	Unit	HTC150/20 0 ii Series	HTC300 ii Series
Material	-	45 Steel	
Spindle speed	rpm		
Cutting depth	mm		
Feed per tooth	mm/fz		
Tool length	Length/D iameter		

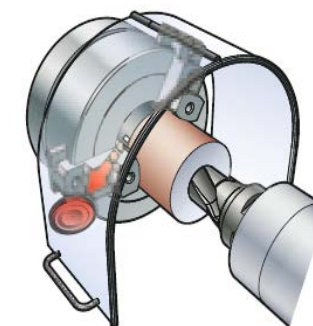
UDrilling			
	Unit	HTC150/20 0 ii Series	HTC300 ii Series
Material	-	45 Steel	
Spindle speed	rpm		
UDrill diameter	mm		
Feed speed	mm/min		
Metal removal rate	cm ^{Three} /m in		



External turning

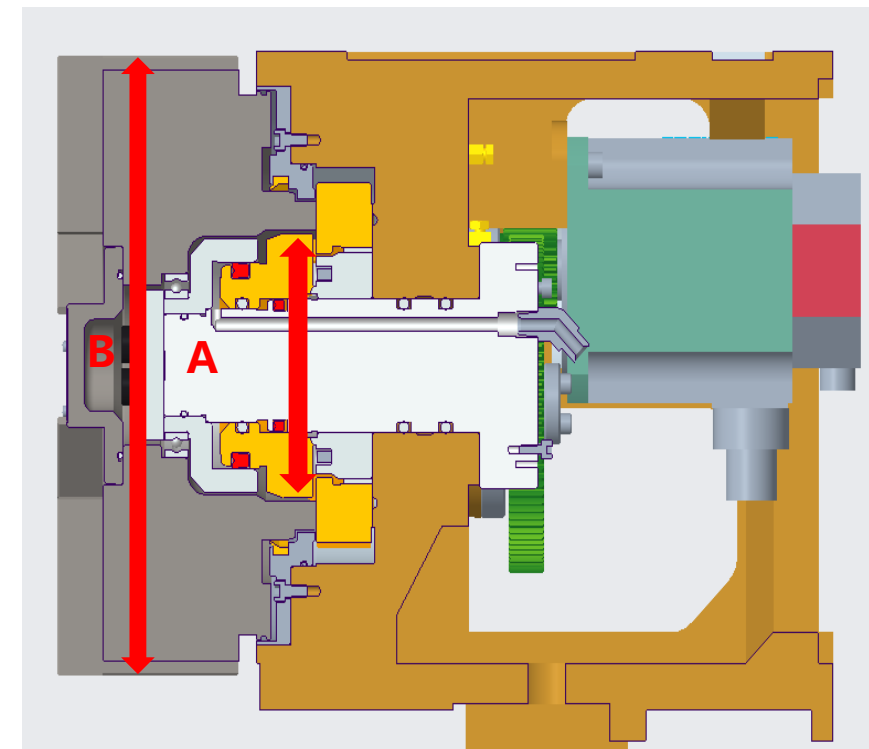
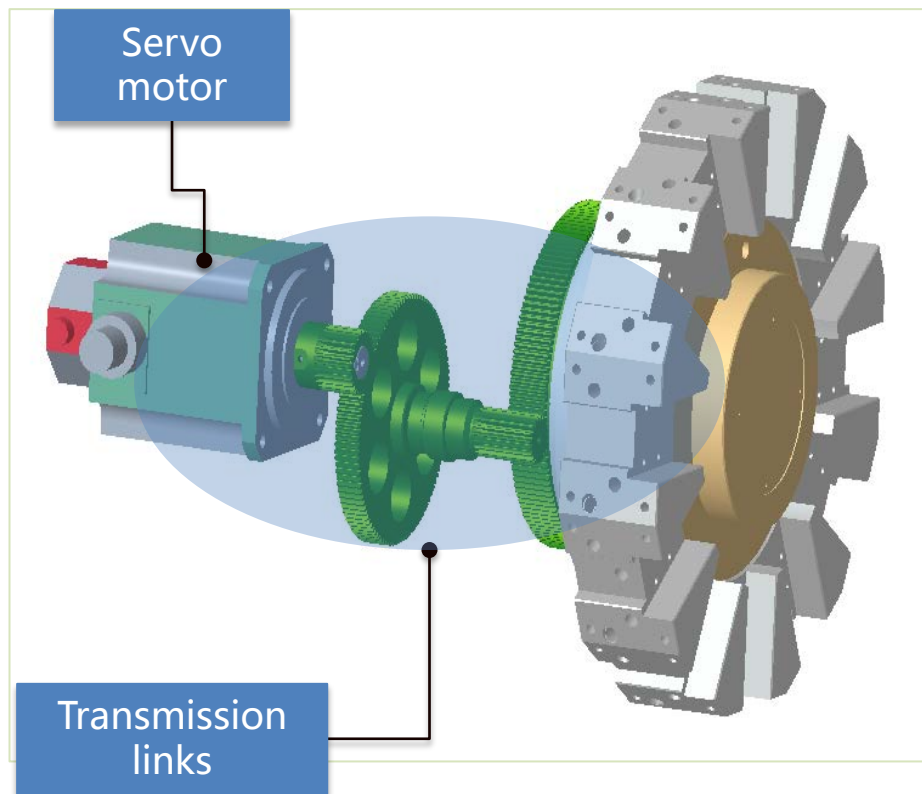


Internal turning



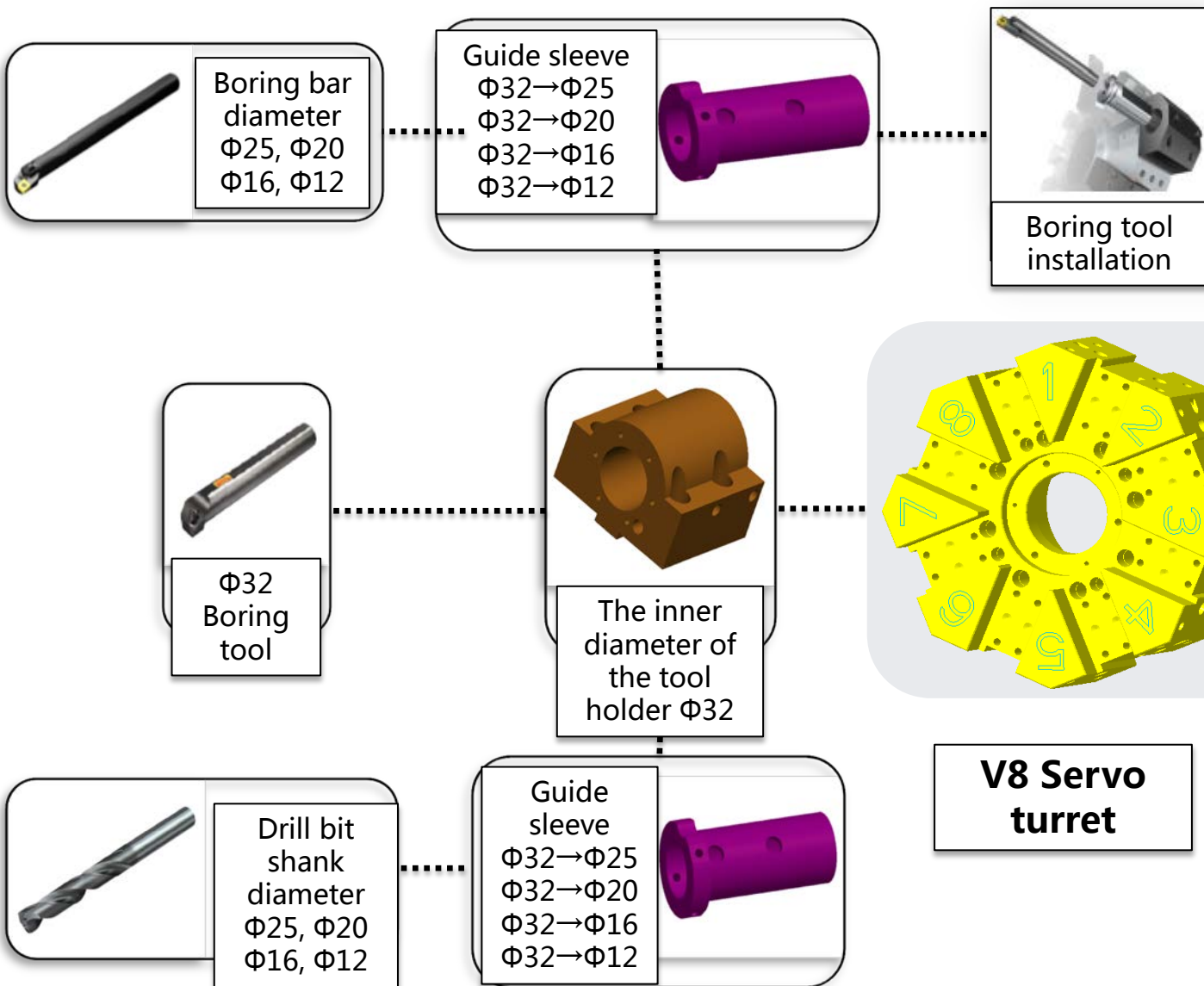
UDrilling

Turret parameters-Servo turret



Machine type	Type	Turret Station	Maximum boring bar diameter(mm)	Knife Party size (mm)	Adjacent bits tool change times)	The teeth of the disk diameterA(mm)	Cutter on the side sizeB(mm)
HTC150II×290	servo turret	8	Φ32	25×25	0.2	Φ180	302
HTC150II×520	servo turret	8	Φ40			Φ180	320
HTC200II/300II	servo turret	12	Φ40			Φ230	400

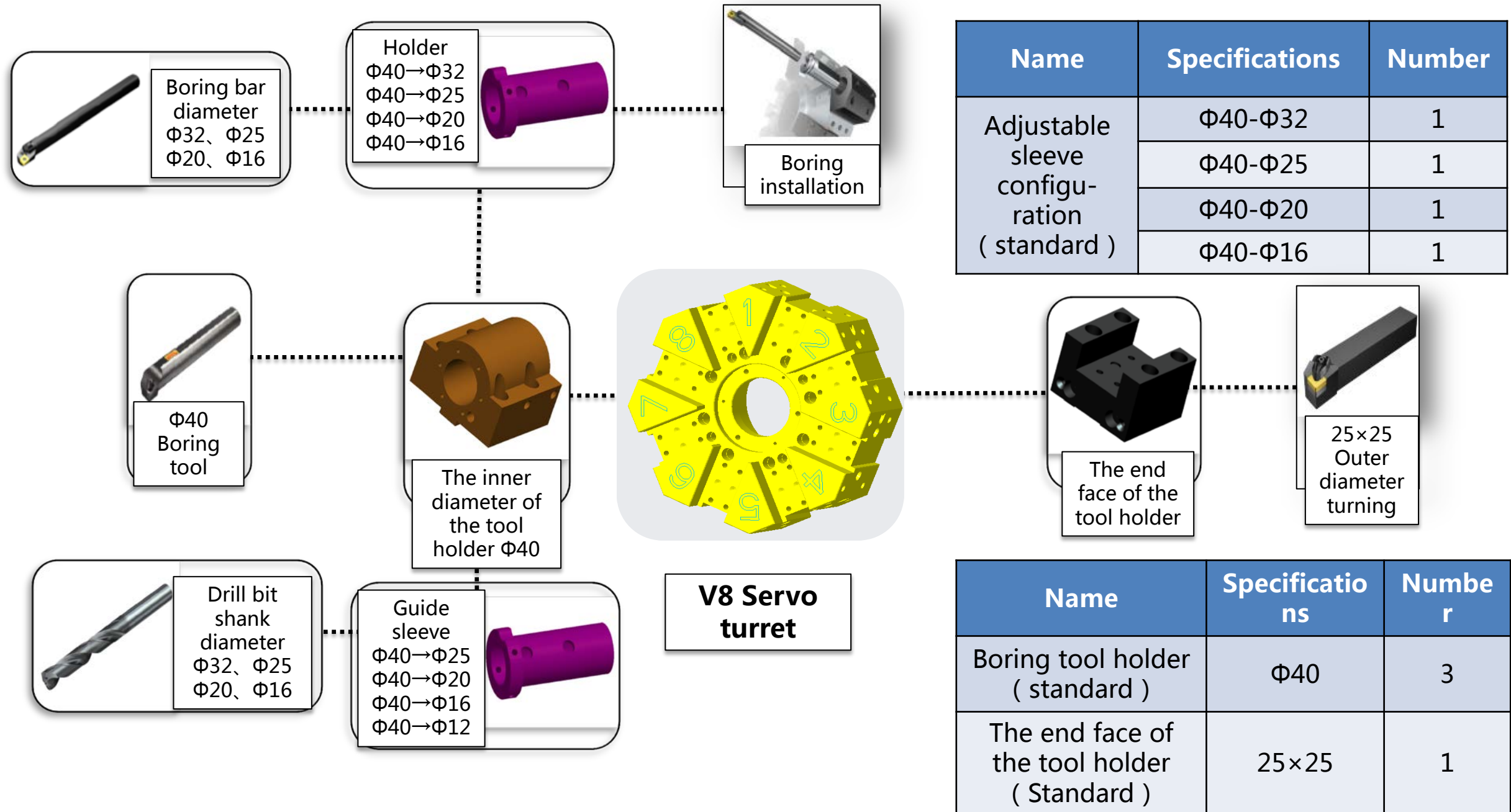
Tool system-HTC150II×290



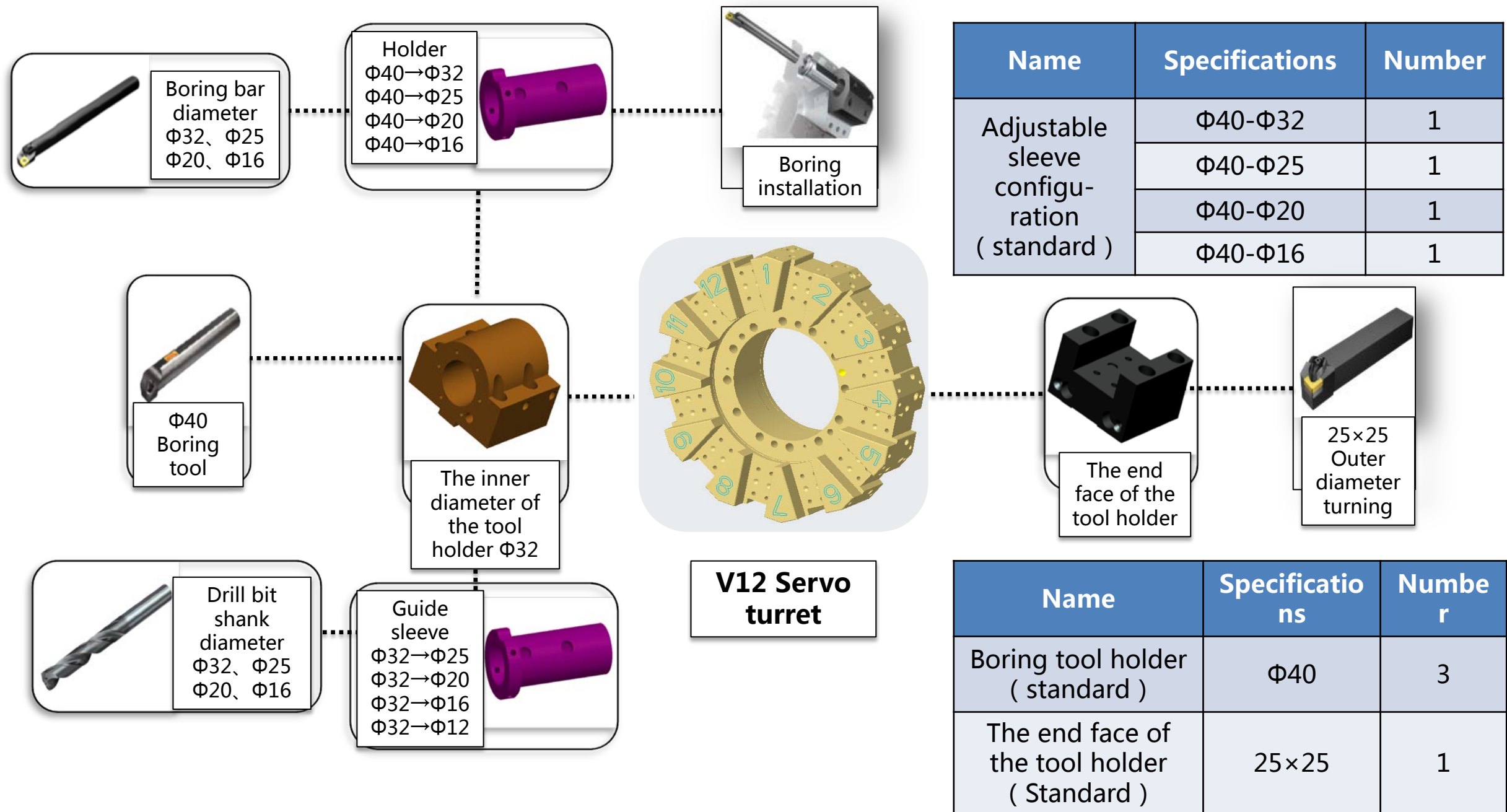
Name	Specifications	Number
Adjustable sleeve configuration (standard)	Φ32-Φ25	1
	Φ32-Φ12	1
	Φ32-Φ16	1
	Φ32-Φ12	1

Name	Specifications	Number
Boring tool holder (standard)	Φ32	3
The end face of the tool holder (Standard)	25×25	1

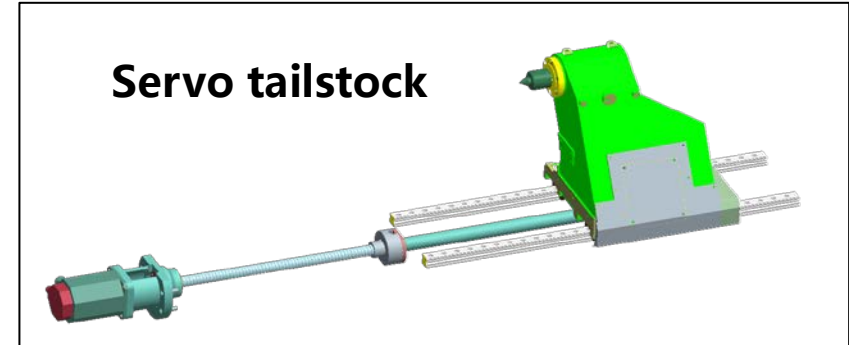
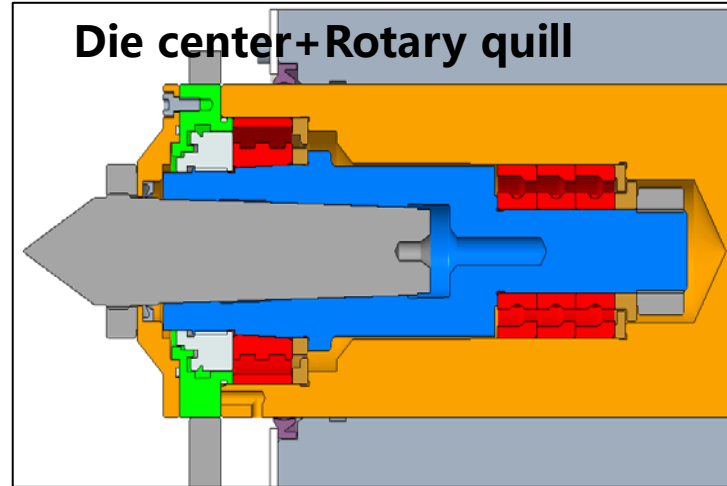
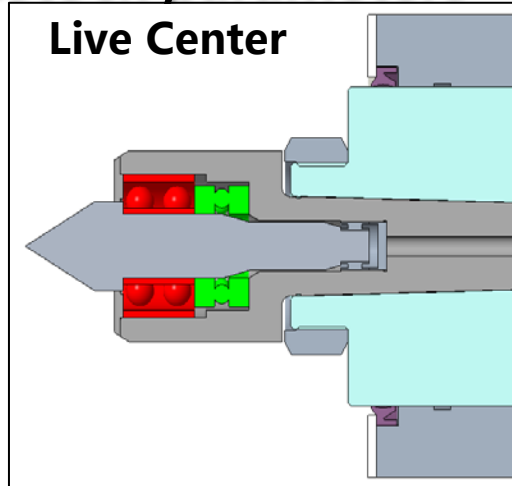
Tool system-HTC150II×520



Tool system-HTC200II/300II



Tailstock parameters



Project	Applicable working conditions
Live Center	Light/Medium load
Die top+ Rot mandrel	Heavy-duty load
Servo tailstock	1. End face and the outer circle or inner bore of a sequence of proces. 2. The frequent production of parts length changes 3. Automation production

Project	Tailstock whole drive type	HTC150 II×290	HTC150II ×520	HTC200 II×360	HTC200 II×560	HTC300 II×580
MT. NO. 4 Live Center	Hydraulic	OP	STD (Hydraulic)	OP	OP	-
MT. NO. 5 Live Center		-	-	OP	STD	-
MT. NO. 4 Dead center		-	-	OP	OP	STD
MT. NO. 4 Live Center	Servo	OP	OP	OP	OP	-
MT. NO. 4 Dead center		OP	OP	OP	OP	OP

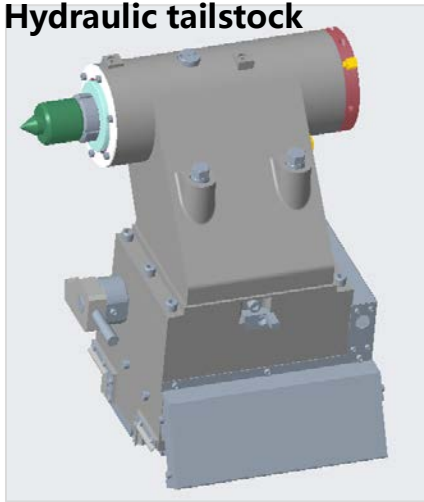
Machine type	Unit	Max. clamping workpiece weight (std chuck, max. speed)	
		Chuck+Tailstock	Chuck, the highest speed
HTC150II×290	kg	100 (Opt.)	23
HTC150II×520		100	
HTC200II×360		100 (Opt.)	
HTC200II×560		100	
HTC300II		150	39

The condition of Max. clamping workpiece weight :

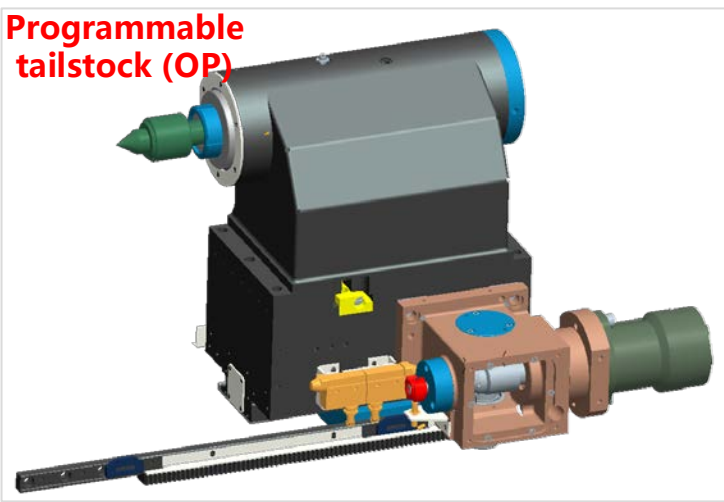
1. The workpiece must be regular and balanced in quality
2. The center of gravity of workpiece must be on the axis of the part
3. The data is only for reference

Tailstock details

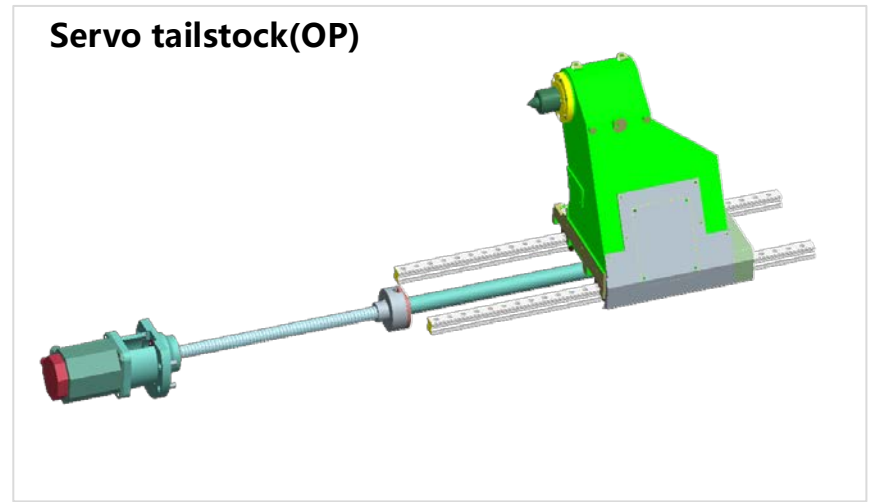
Tailstock move



Hydraulic tailstock



Programmable tailstock (OP)



Servo tailstock(OP)

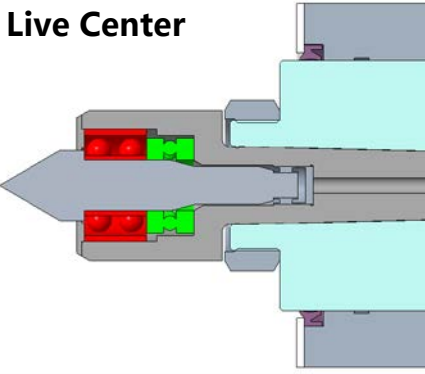
Tailstock body moved rely on Saddle Drive

Tailstock body moved rely on hydraulic motor driven rack and pinion

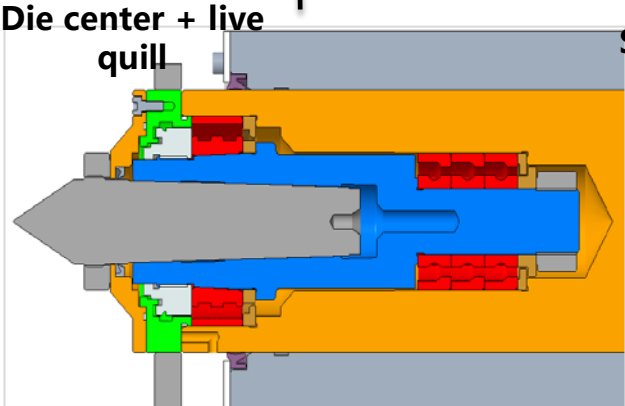
Tailstock body moved rely on servo motor drive screw

Center type

Quill move



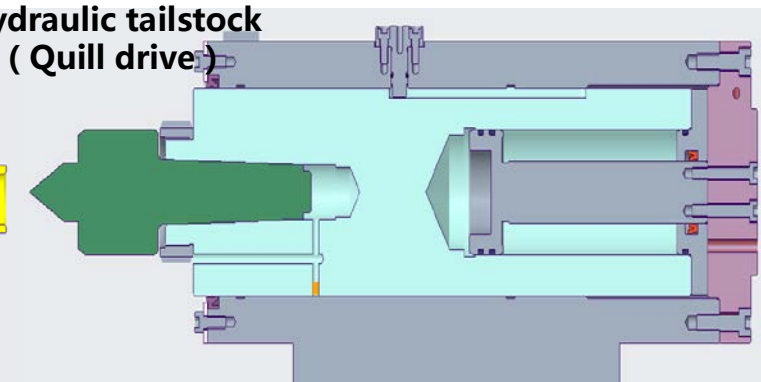
Live Center



Die center + live quill



Servo tailstock (Tailstock whole drive)

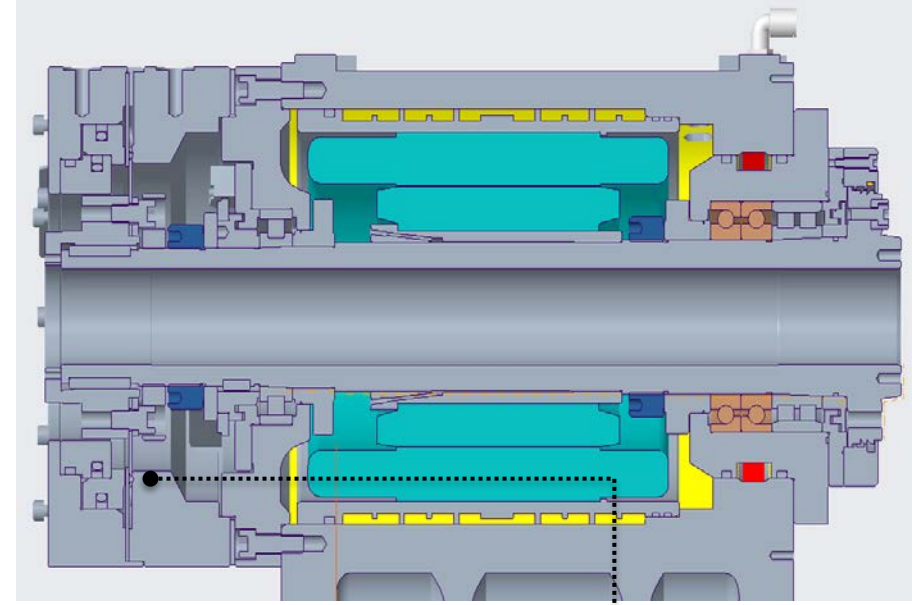
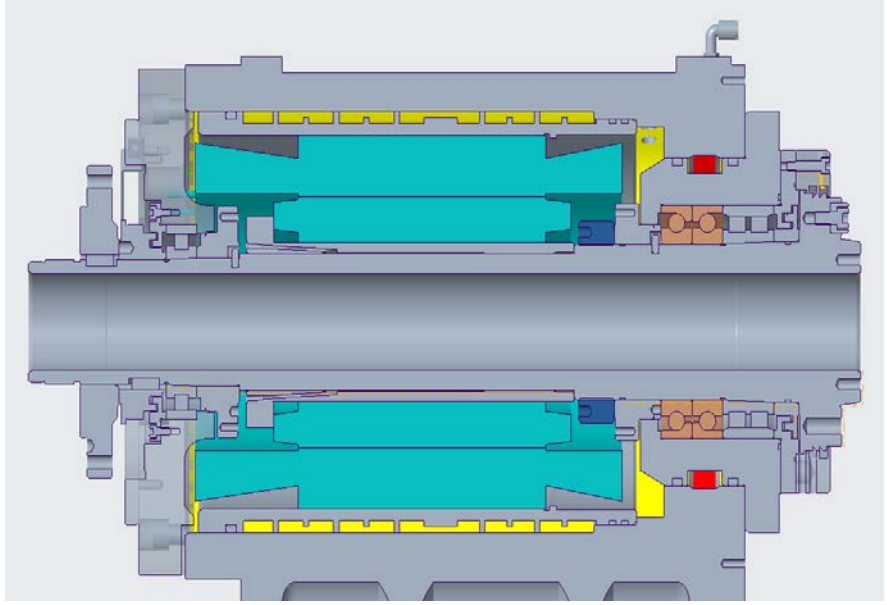


Hydraulic tailstock (Quill drive)

With MC Function parameters

项目			HTC200II MC		HTC300II MC×580	项目			HTC200II MC		HTC300II MC×580
			360	560					360	560	
Scope of work	The bed of the maximum swing dia.	mm	Φ620		Tails tock	Quill dia.	mm	Φ100 (OP)	Φ100		
	The saddle on the maximum swing dia.	mm	Φ410			Φ420	Center type	-	MT.NO.04 (OP)	MT.NO.05	MT.NO.04
	Maximum turning dia.	mm	Φ330			Φ520	Quill stroke	mm	122 (OP)	122	
	Maximum turning length	mm	330	530		?	Tailstock stroke	mm	350	580	500
	Spindle Center according to height	mm	1030		1110	Turret	Type	-	Servo power turret V12		
Maximum spindle speed	rpm	4500		3500	OD size		mm	25×25			
Spindle power continuous/Maximum	kW	11/15		15/18.5	ID size		mm	Φ40			
Spindle torque continuous/Maximum	Nm	158/211		251/305	Indexing time(T-T)		s	0.2			
Spindle nose	-	JISA2-6		JISA2-8	Milling axis maximum drilling dia.		mm	Φ20			
Spindle through hole dia.	mm	Φ62		Φ76	Milling axis maximum milling dia.		mm	Φ25			
Max. Bar dia	mm	Φ50		Φ65	Milling shaft torque		Nm	23.5/35			
Chuck size	Inch	8 (OP10)		10 (OP12)	Power capacity		kVA	35			
Servo axis	X/Z Stroke	mm	230/380	230/580	265/660	Cooling water tank capacity	L	225	240	280	
	X/Z Rapid feed	m/m in	24/30		Machine dimensions L × W × H	Machine weight	t	4.2	4.8	5.3	
	X/Z Motor power	kW	1.8/1.8			3.0/3.0	CNC system	-	FANUC 0i-TF β5		
	X/Z Positioning accuracy	mm	0.008/0.008	0.008/0.010		0.008/0.012	2817×1850×1	3097×1850	2600×1800×2		

With MC Features-Spindle part



Spindle
Can do this positioning but not the positioning post-processing

Main features		
Project	Standard machine	With MC Features
Spindle position	-	Hydraulic locking
Turret	Servo	Servo power
Min. scale	-	0.01°

Hydraulic Locking

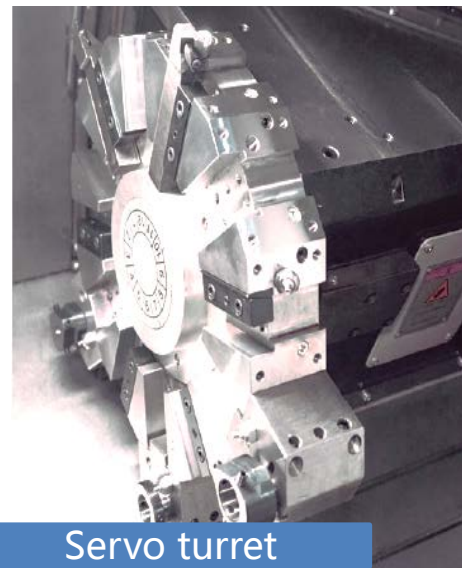
C axis
You can do the exact positioning and the positioning post-processing

C Axis positioning accuracy: 72"
CAxis repeat positioning accuracy:36"

With MC Features-The Turret section

Power turret features:

1. Tool disc rotation and segmentation are using a special type of servo motor drive;
- 2., Power shaft using **Spindle motor** Drive, large torque, low noise;
3. Tool change quickly, and don't mess knife;
4. Power knife provisions in compliance with DIN69880 With DIN5480 Standards;
5. Repeat positioning accuracy **0.003 mm**; the
6. The **Three-piece curved tooth clutch** Structure, to ensure the positioning precision.



Servo turret

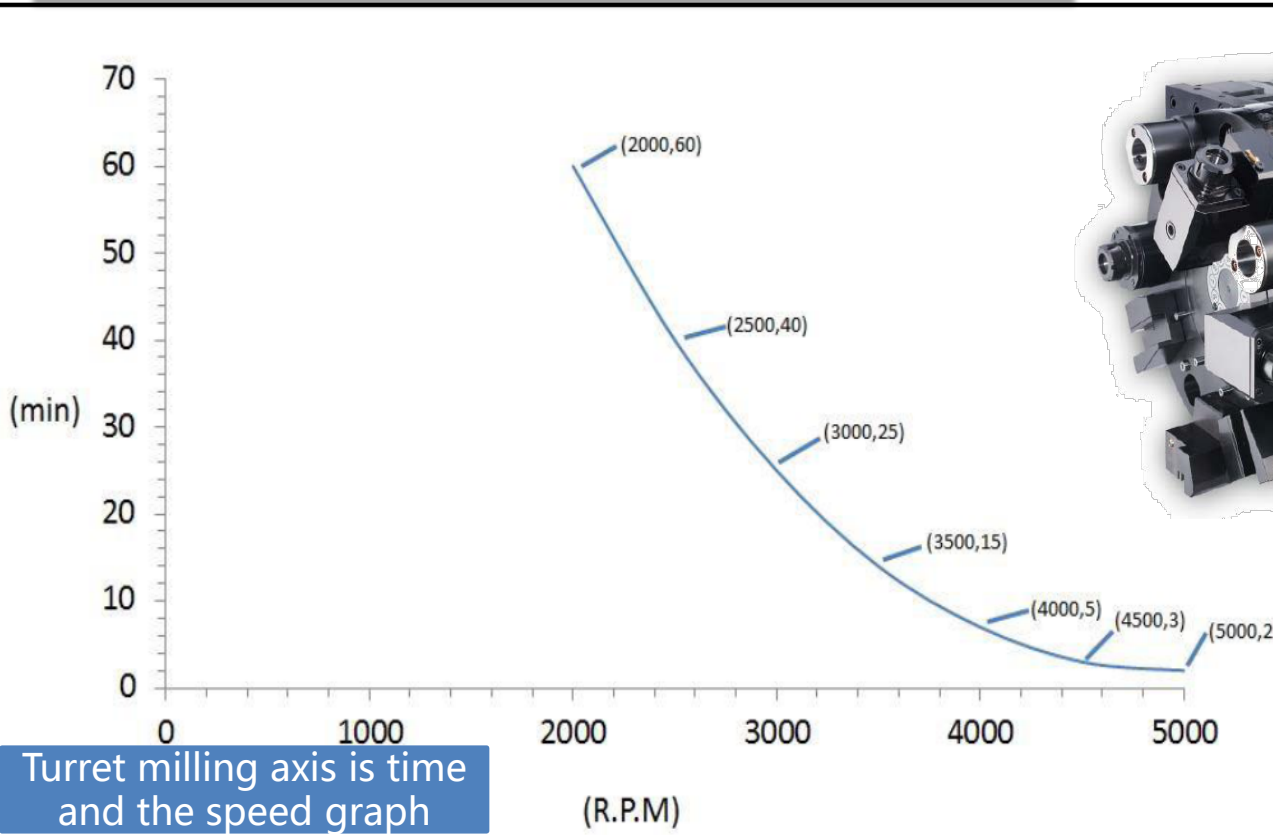
Function transformation



Power turret

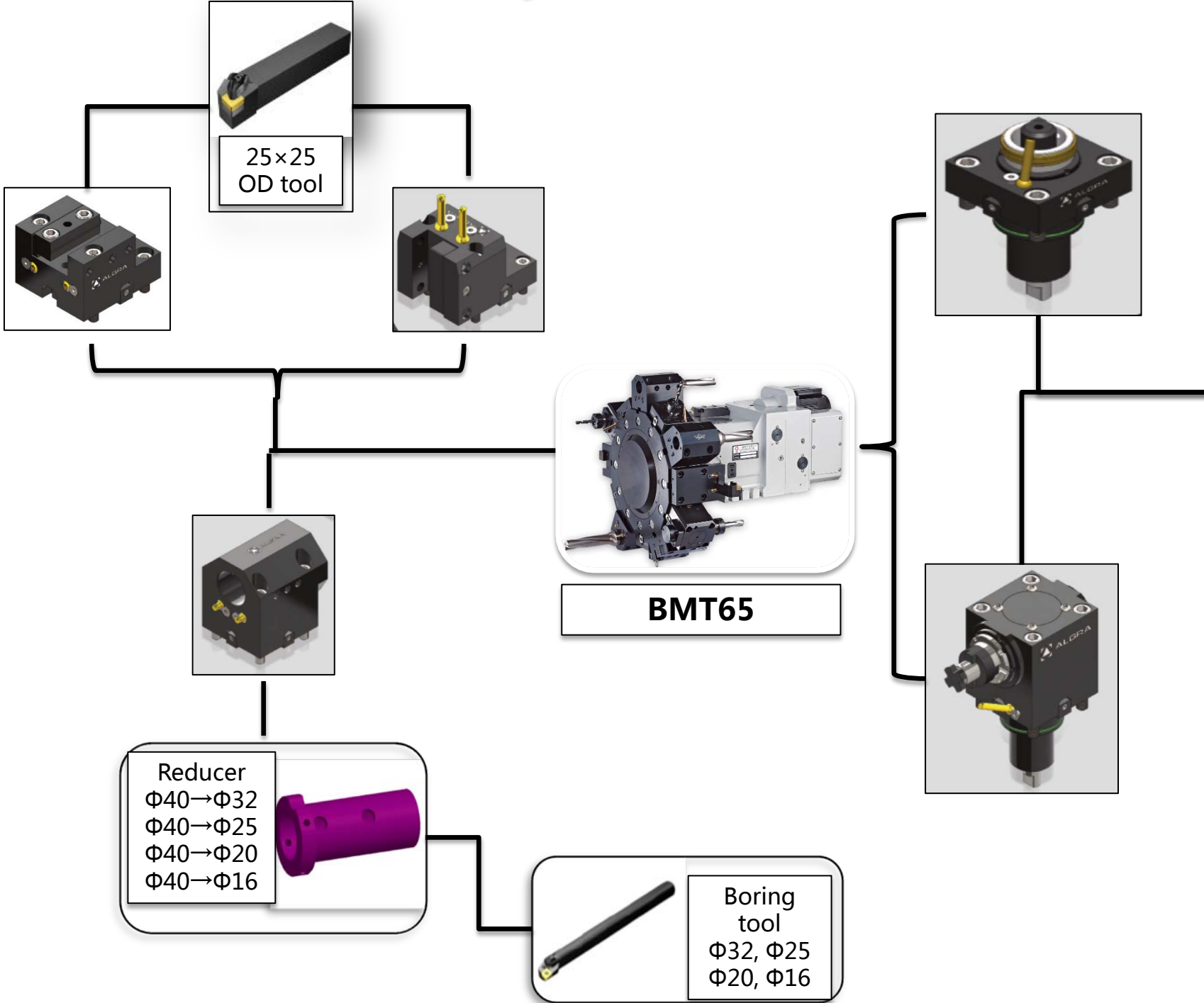
Milling axis parameters

Milling axis max. drilling diameter	mm	Φ20
Milling shaft radial tool max. extended length	mm	50
Milling axis Max rigidity tapping diameter	-	M14×2 Or M20×1.5
Milling axis max. milling diameter	mm	Φ25
Milling axis maximum speed	rpm	4000(5min)
Milling spindle motor power	kW	3.7/5.5
Milling shaft gear ratio	-	1:1
Milling shaft rated/Maximum torque	Nm	23.5/35



Turret milling axis is time and the speed graph

MFunction tool system-only for HTC200II/HTC300II



Name	Specifications	No
Reducer (standard)	Φ40-Φ32	1
	Φ40-Φ25	1
	Φ40-Φ20	1
	Φ40-Φ16	1



Collet
ER32-6
ER32-10
ER32 Φ15~ Φ16

Name (Holder)	Spec.	No
Boring tool holder (standard)	Φ40	1
End face tool holder (Standard)	25×25	1
OD tool holder (Standard)	25×25	2
Axial power tool (St.)	RAPPS40	1
Radial power tool (Standard)	RRPPA40	1
Collet (Standard)	ER32-6	1
	ER32-10	1
	ERΦ15~ Φ16	1



CBKImmersion multi-stage stainless steel centrifugal pump standard

Cooling pressure	Applicable working conditions
0.2~0.4 Mpa (Standard)	Ordinary water-cooled
≤ 1 Mpa (Option)	Tool cooling
≤ 2 Mpa (Option)	1, Large flow cooling 2, Tool within the cold
3~7Mpa (Option)	1, Large flow cooling 2, Tool within the cold 3, Auxiliary breaker

Hydraulic system

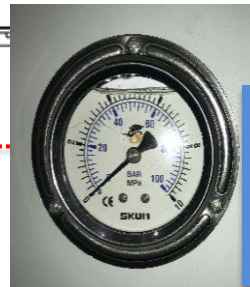
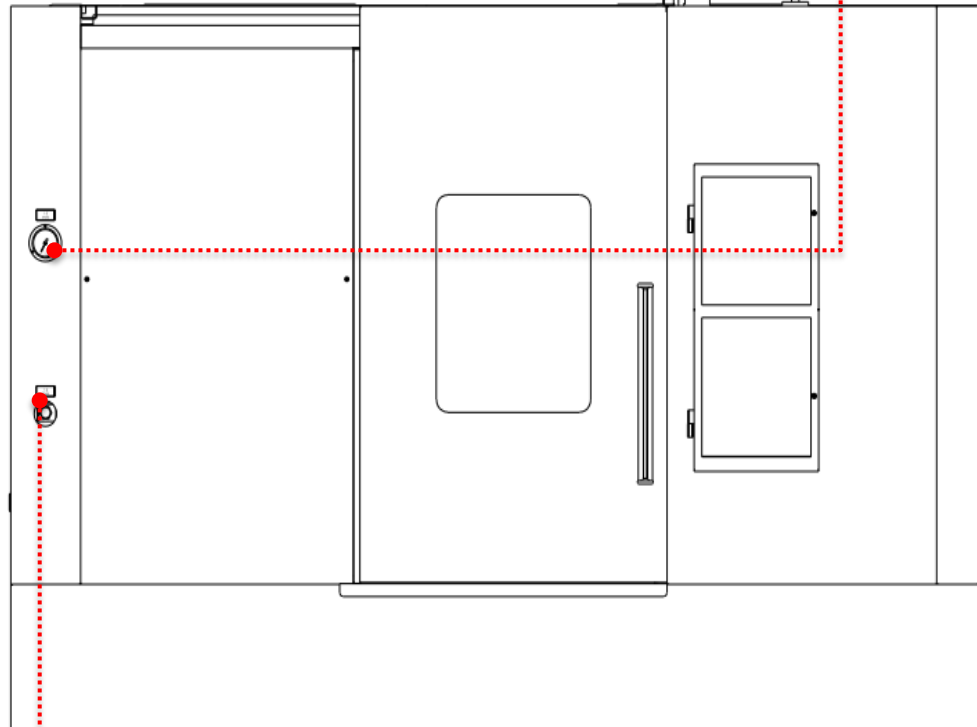


Hydraulic station parameters

The system set pressure factory standard	4.0Mpa
System theoretical displacement	12L/min
Oil pump motor	2.2kW-4P 380v/50Hz
Running noise	Less than 75dB
Allowable temperature rise	15°C-45°C
Ambient temperature	-5~45°C
Environment humidity	20~95%RH
Allow the oil temperature	0~80°C
Recommended oil	ISO VG32
Maximum pressure adjustment range	0~6.0 Mpa



**Chuck oil pressure
0.5~3Mpa**



**Tailstock oil pressure
1~1.5 Mpa**

Pressure regulator conversion table

Oil pres. Mpa	0.5	1.0	1.5	2.0	2.5	3.0
Chuck kN	9.5	19	28.5	38	47.5	57
Sleeve kN	-	1.59	2.39	-	-	-







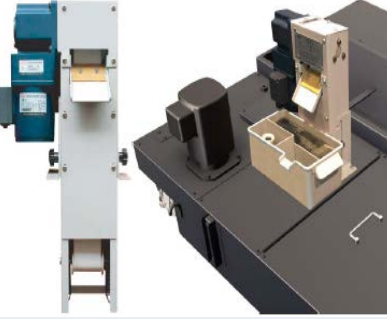



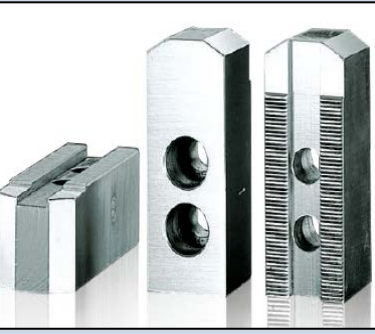
Options-Automatic feeding machine



IronsLNS

Model	Unit	DH65 S2		SN542 S2/SN551 S2			
-		1.2 M	1.5 M	2.5 M	3.2 M	3.7 M	4.4 M
Rod diameter	mm	Φ5~Φ65		Φ5~Φ45 (SN542) / Φ5~Φ51 (SN551)			
Maximum bar length	mm	1210	1510	2500	3200	3700	4400
Bar capacity	mm	Φ5×114		Φ10×28			
Mechanical length	mm	1660	1960	3250	3910	4450	5110
Mechanical width	mm	1126		682			
Spindle height	mm	850~1250		900~1195			
Feeding Chuck size	mm	-		50			
Machine weight	kg	298	328	800	975	1000	1125
Air pressure requirements	Mpa	0.5~0.7					

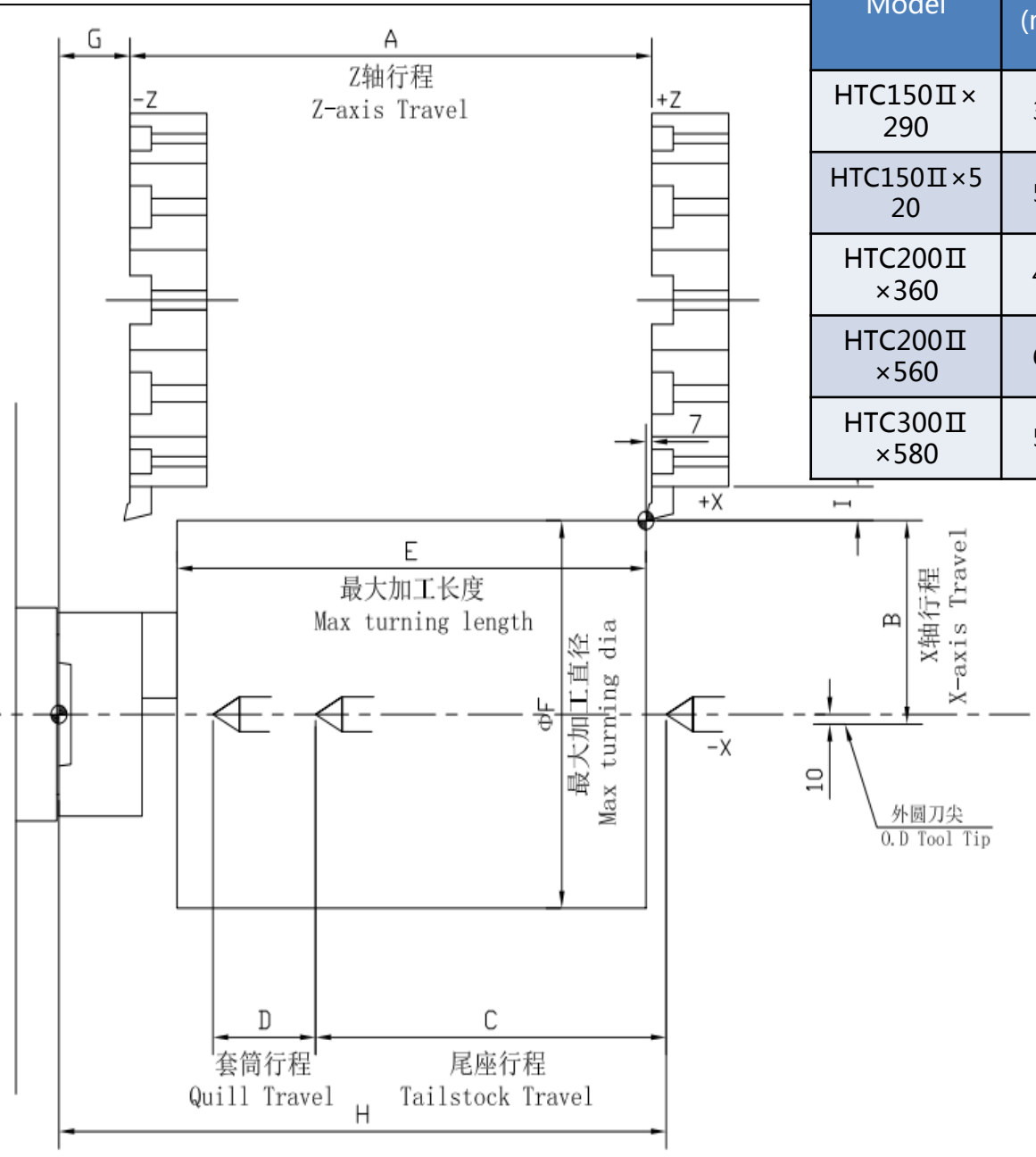
The machine the rest of the options configurations table

	<p>Automatic tool setting instrument</p>		<p>In the real Chuck</p>		<p>Hollow Chuck</p>		<p>Oil mist collector</p>
	<p>Workpiece cleaning airsoft</p>		<p>Hard jaws</p>		<p>Oil-water separation device</p>		<p>Electric Cabinet air conditioning</p>
	<p>Solid cylinder</p>		<p>Hollow cylinder</p>		<p>Soft claws</p>		

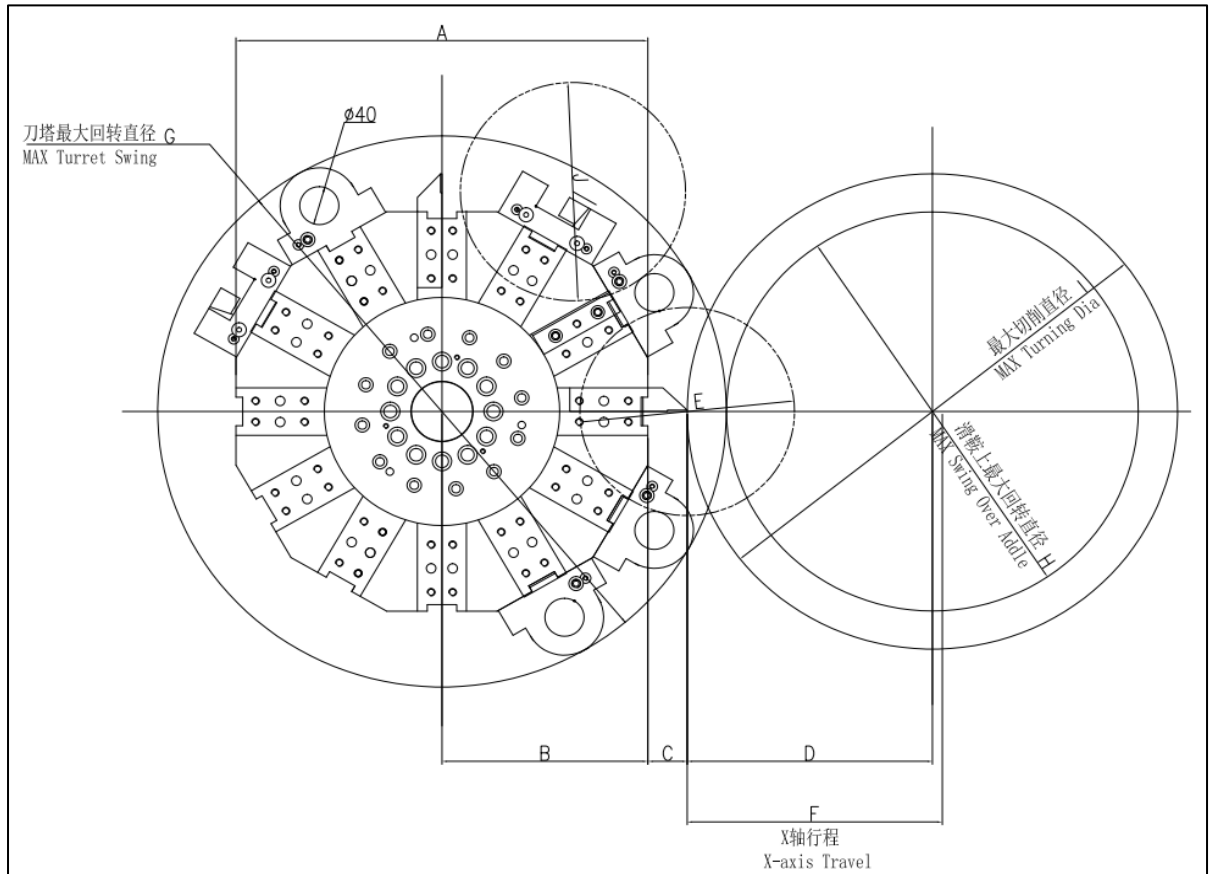
Note: the table in the picture is only for illustrative effect and not as a final product configuration based on

Processing range

Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F(mm)		G (mm)	H (mm)	I (mm)
						Over the bed	Through the turret			
HTC150II × 290	345	175	365 (Opt.)	90 (Opt.)	290	Φ300	Φ300	93	551	24
HTC150II × 520	573	175	521	-	520	Φ300	Φ300	93	689	35
HTC200II × 360	410	225	380 (Opt.)	122 (Opt.)	360	Φ400	Φ410	95	390 (Opt.)	35
HTC200II × 560	610		580	122	560				750	
HTC300II × 580	565	270	500	122	550	Φ520	Φ420	105	1165	40

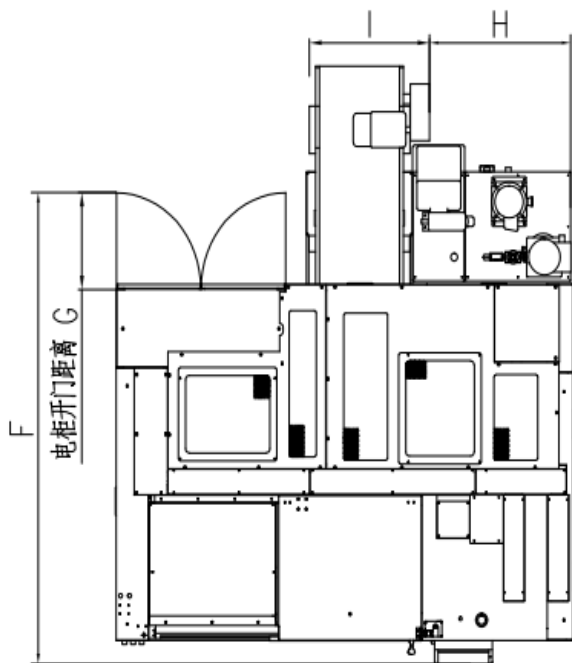
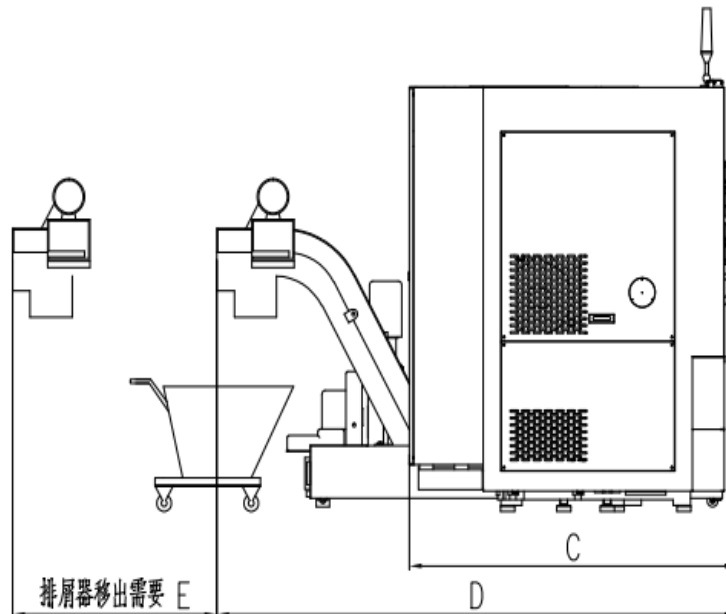
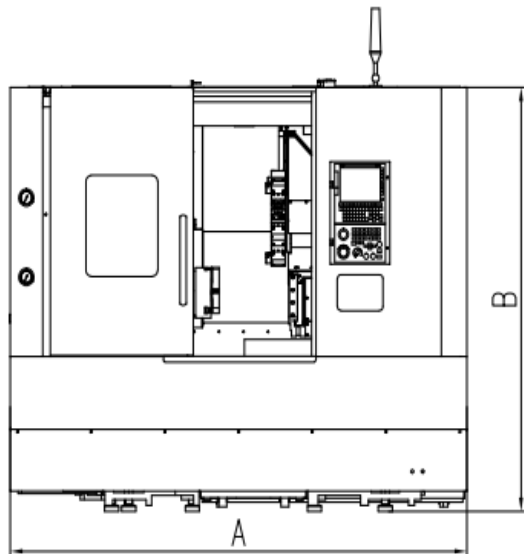


Turret interference figure



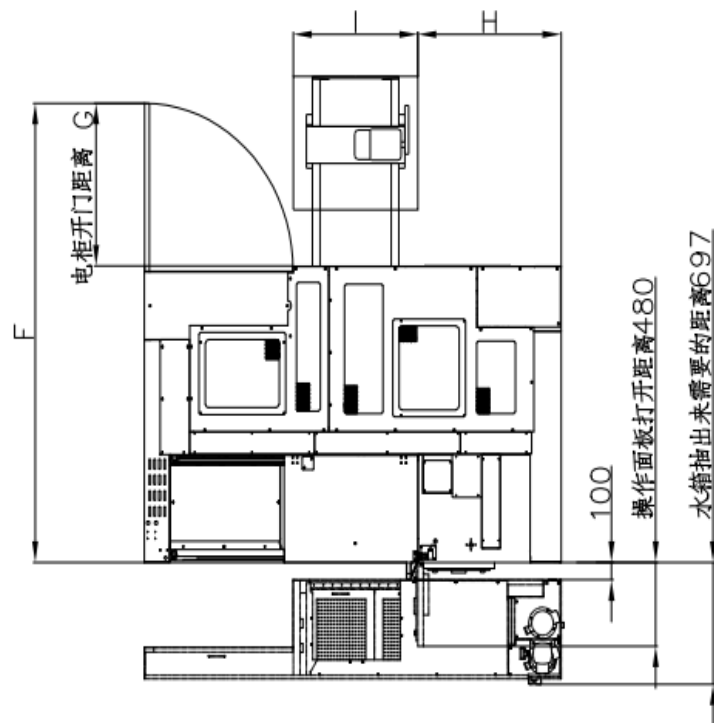
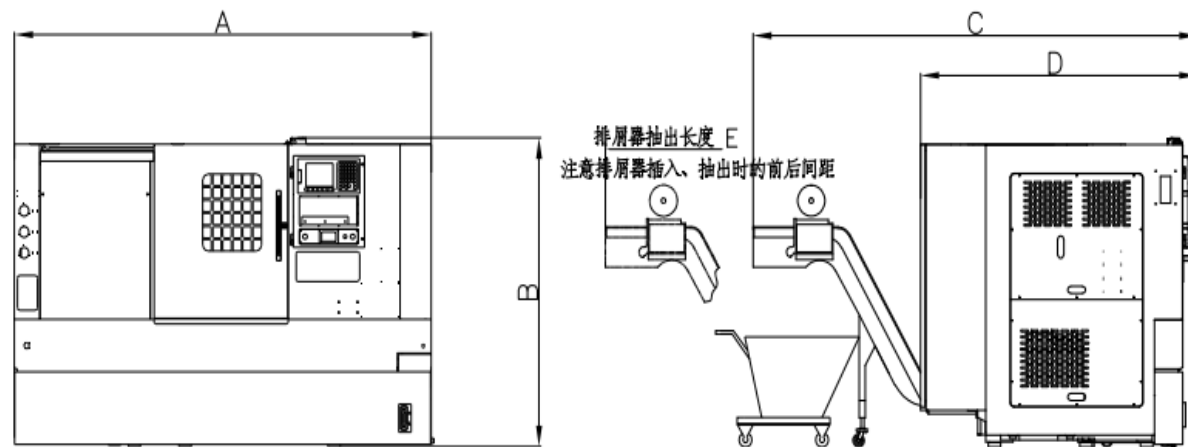
Machine type	A(mm)	B(mm)	C(mm)	D(mm)	E(mm)	F(mm)	G(mm)	H(mm)	I(mm)	J(mm)
HTC150II ×290	302	151	24	160	Φ230	175	Φ490	Φ300	Φ300	Φ255
HTC150II ×520	320	151	24	160	Φ230	175	Φ490	Φ300	Φ300	Φ255
HTC200II	385	192.5	35	200	Φ180	225	Φ541	Φ410	Φ400	Φ200
HTC300II			40	200	Φ180	225	Φ562	Φ410	Φ400	Φ194

The machine the outer contour of the size of the-HTC150II/300 ii



Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	H (mm)	I (mm)
HTC150II × 290	1900	1750	1580	2370	1500	2320	740	340	685
HTC150II × 520									
HTC300II × 580	2600	2150	1800	2970	1780	2385	495	810	

The machine the outer contour of the size of the-HTC200II



Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	I (mm)	H (mm)
HTC200II ×360	2400	1790	2900	1800	1700	2650	930	810	645
HTC200II ×560	2700								