

LATHE SPECIALIST

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FOR
THE WORLD**
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ANYANG
XINHENG
MACHINE TOOL CO., LTD.



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COMPANY PROFILE

Anyang Xinheng Machine Tool Co.,Ltd is located in Anyang, Henan Province, China. We have always been committed to the research and manufacture of machine tools.

Our factory covers more than 30,000 square meters and we have the latest manufacturing facility. We have attained ISO9001:2016 international quality control system certificate. Our products are exported overseas and very popular both at home and abroad. We are specialized in precision lathe manufacturing, covering oil country lathe, spherical turning lathe, CNC lathe, conventional lathe, heavy duty lathe, CNC roll turning lathe, automatic production line, etc. We supply the lathe with high quality and competitive price all over the world.

We can provide global quality warranty, and also excellent service and qualified accessories for our lathe during the whole working life. Welcome to contact us!



ABOUT US



- Purpose:** turning for the world.
- Mission:** craftsmanship builds the Chinese machine tool.
- Vision:** to build a centenary enterprise, to create a world brand.
- Value:** integrity of the heart, truth-seeking and refinement, focused and all-win.
- Development idea:** enterprise development, employee benefit, achievement sharing.
- Brand concept:** good quality parts, precision grade machine tools, high-quality employees and world-class brand.
- Quality philosophy:** quality assurance, factory direct, excellent quality.
- Quality principle:** strict process control, process discipline, strong after sales service.
- Production philosophy:** demand is planning, order is command, excellence makes value.
- Market concept:** we meet customers' need and build XINHENG a world famous brand.
- Marketing concept:** let XINHENG machine tool become the customer first choice.
- Service concept:** we set out from customers' need, and to achieve customer's satisfaction.
- Innovative concept:** we are oriented by customers' demand and good at questioning and daring to surpass.
- Environmental-concept concept:** pleasant, green, harmonious, sharing.



Conventional lathe (312/400 mm guideway) ↓

Standard accessory

3-jaw self-centering chuck
Standard V4 toolpost
Standard tailstock
LED work light
Coolant system
Leveling wedge
Anchor bolt
Wrench
Dead center

Optional accessory

Gap bed
Φ80/105 Spindle bore
3-jaw self-centering chuck
4-jaw chuck
Faceplate
Quick change toolpost
Grinding attachment
Follow rest
Steady rest
Taper attachment
Toolpost protection
Chuck protection
Side protection
Foot pedal
Thread indicator
Spindle bore adapter
Live center
DRO



Technical parameter ↓

Item	Unit	CD6132	CD6136	CD6140	CQ6140	CQ6240	CQ6150	CQ6250	CQ6161	CQ6261	CQ6166	CQ6266	
Capacity	Swing over bed	mm	Φ320	Φ360	Φ400	400	500	610	660				
	Swing over carriage	mm	Φ180	Φ200	Φ240	Φ210	Φ300	Φ370	Φ400				
	Swing over gap	mm	-	-	-	630	720	830	880				
	Max. length of workpiece	mm	750/1000	750/1000	750/1000	1000/2000/3000	1000/2000/3000	1000/2000/3000	1000/2000/3000	1000/2000/3000			
	Max. turning length	mm	600/850	600/850	600/850	850/1850/2850	850/1850/2850	850/1850/2850	850/1850/2850	850/1850/2850			
	Span of guideway	mm	312	312	312	400	400	400	400				
Spindle	Spindle nose type	-	C6	C6	C6	C6/D8	C6/D8/D8	C6/D8/D8	C6/D8/D8				
	Spindle taper	-	MT6	MT6	MT6	MT6/ Φ90 1:20	MT6/ Φ90 1:20/ Φ113 1:20	MT6/ Φ90 1:20/ Φ113 1:20	MT6/ Φ90 1:20/ Φ113 1:20				
	Spindle bore	mm	Φ52	Φ52	Φ52	Φ52/80	Φ52/80/105	Φ52/80/105	Φ52/80/105				
	No. of spindle speeds	-	12	12	12	24	24	24	24				
	Range of spindle speeds	r/min	30-1600	30-1600	30-1600	16-1400	16-1400	16-1400	16-1400	16-1400			
	Cross section of tool shank	mm	20×20	20×20	20×20	25×25	25×25	25×25	25×25	25×25			
Toolpost	Tool post type	mm	V4	V4	V4	V4	V4	V4	V4				
	Max.stroke of upper toolpost	mm	140	140	140	140	140	140	140				
	No. of longitudinal feeding	mm/r	44; 0.039-1.05	44; 0.039-1.05	44; 0.039-1.05	64	64	64	64				
Feed	No. of transverse feeding	mm/r	44; 0.019-0.52	44; 0.019-0.52	44; 0.019-0.52	64	64	64	64				
	No. and rang of metric threads	-	25; 0.5-20	25; 0.5-20	25; 0.5-20	44; 1-192	44; 1-192	44; 1-192	44; 1-192				
	No. and rang of inch threads	TPI	35; 80-1.75	35; 80-1.75	35; 80-1.75	21; 24-2	21; 24-2	21; 24-2	21; 24-2				
	No. and rang of modulus threads	-	24; 0.25-10	24; 0.25-10	24; 0.25-10	39; 0.25-48	39; 0.25-48	39; 0.25-48	39; 0.25-48				
	No. and rang of diameter pitch threads	-	30; 160-3.5	30; 160-3.5	30; 160-3.5	37; 1-96	37; 1-96	37; 1-96	37; 1-96				
	Tailstock quill diameter	mm	60	60	60	75	75	75	75				
Tailstock	Tailstock quill taper	-	MT4	MT4	MT4	MT5	MT5	MT5	MT5				
	Tailstock quill effective stroke	mm	100	100	100	150	150	150	150				
	Main motor power	kW	3	3	3	7.5	7.5	7.5	7.5				
Others	Width × Height	mm	970×1220	970×1250	970×1280	1000×1267	1037×1312	1081×1367	1106×1392				
	Length	mm	1940/2180	1940/2180	1940/2180	2650/3650/4800	2650/3650/4800	2650/3650/4800	2650/3650/4800				
	Net weight	kg	1300/1370	1350/1400	1400/1450	2070/2570/3200	2140/2640/3400	2250/2787/3600	2450/2880/3800				
	Note: swing over bed/swing over gap/distance between centers (750 mm - 4000 mm) can be customized.												

Conventional lathe (550/600 mm guideway) ↓

Standard accessory

3-jaw manual chuck
Standard V4 toolpost
Standard tailstock
LED work light
Coolant system
Leveling wedge
Anchor bolt
Wrench
Dead center

Optional accessory

Gap bed
Φ140 Spindle bore
3-jaw self-centering chuck
4-jaw chuck
Faceplate
Quick change toolpost
Grinding attachment
Follow rest
Steady rest
Automatic upper toolpost feeding device
Taper attachment
Toolpost protection
Chuck protection
Side protection
Thread indicator
Spindle bore adapter
Live center
DRO



Technical parameter ↓

Item	Unit	CW 6163B	CW 6263B	CW 6180B	CW 6280B	CW 6194B	CW 6294B	CW 6180	CW 61100
Capacity	Swing over bed	mm	Φ630	Φ800	Φ940	Φ800	Φ1000	Φ800	Φ1000
	Swing over carriage	mm	Φ350	Φ520	Φ660	Φ480	Φ680	Φ480	Φ680
	Swing over gap	-	-	Φ830	-	Φ1000	-	Φ1140	-
	Max. length of workpiece	mm	1500/2000/3000	1500/2000/3000	1500/2000/3000	1500/2000/3000	1500/2000/3000	1500/2000/3000	1500/2000/3000
	Max. turning length	mm	1350/1850/2850	1350/1850/2850	1350/1850/2850	1350/1850/2850	1350/1850/2850	1350/1850/2850	1350/1850/2850
	Span of guideway	mm	550	550	550	550	600	600	600
Spindle	Max. weight of workpiece	ton	1.5/3	1.5/3	1.5/3	2/4	2/4	2/4	2/4
	Spindle nose type	-	C11	C11	C11	C11/C15	C11/C15	C11/C15	C11/C15
	Center taper	-	MT5	MT5	MT5	MT6	MT6	MT6	MT6
	Spindle bore	mm	Φ100	Φ100	Φ100	Φ100/Φ140	Φ100/Φ140	Φ100/Φ140	Φ100/Φ140
	No. of spindle speeds	-	18	18	18	18/6	18/6	18/6	18/6
	Range of spindle speeds	r/min	7.5-1000	6-800	6-800	6-800	Forward: 6-750; Reverse:10-775	Forward: 6-750; Reverse:10-775	Forward: 6-750; Reverse:10-775
Toolpost	Cross section of tool shank	mm	30×30	30×30	30×30	32×32	32×32	32×32	32×32
	Max. stroke of upper toolpost	mm	200	200	200	200	200	200	200
	Max. stroke of lower toolpost	mm	440	540	570	500	500	500	500
Feed	No. of longitudinal and transverse feeding	-	64 kinds each	64 kinds each	64 kinds each	64 kinds each	64 kinds each	64 kinds each	64 kinds each
	Ratio of transverse feed to longitudinal feed	-	1/2	1/2	1/2	1/2	1/2	1/2	1/2
	No. and rang of metric threads	-	50; 1-240	50; 1-240	50; 1-240	50; 1-240	50; 1-240	50; 1-240	50; 1-240
	No. and rang of inch threads	-	26; 14-1	26; 14-1	26; 14-1	26; 14-1	26; 14-1	26; 14-1	26; 14-1
	No. and rang of modulus threads	-	53; 0.5-44	53; 0.5-44	53; 0.5-44	53; 0.5-44	53; 0.5-120	53; 0.5-120	53; 0.5-120
Tailstock	No. and rang of diameter pitch threads	-	24; 28-1	24; 28-1	24; 28-1	24; 28-1	24; 28-1	24; 28-1	24; 28-1
	Tailstock quill diameter	mm	100	100	100	Φ100	Φ100	Φ100	Φ100
	Tailstock quill taper	-	MT5	MT5	MT5	MT6	MT6	MT6	MT6
Power system	Tailstock quill effective stroke	mm	250	250	250	250	250	250	250
	Main motor power	kW	11	11	11	11	11	11	11
Others	Rapid traverse motor power	kW	1.1	1.1	1.1	1.1	1.1	1.1	1.1
	Width×Height	mm	1393×1537	1473×1622	1430×1690	1450*1730	1450*1730	1450*1730	1450*1830
	Length	mm	3725/4225/5225	3725/4225/5225	3725/4225/5225	3670/3985/5165	3670/3985/5165	3670/3985/5165	3670/3985/5165
	Net weight	kg	3700/4200/4700	3900/4400/4900	4400/4900/5400	4900/5100/5500	4900/5100/5500	4900/5100/5500	5400/5600/6000

Note: swing over bed/swing over gap/distance between centers (750 mm - 12000 mm) can be customized.

Conventional lathe (755 mm guideway) ↓

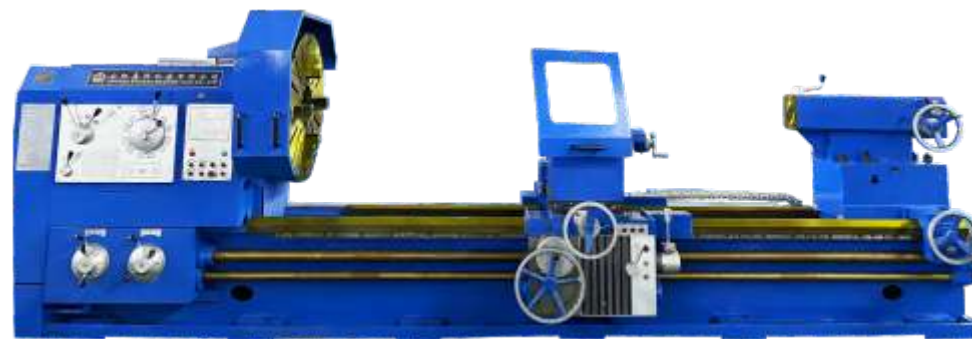
Standard accessory

4-jaw manual chuck
Standard V4 toolpost
Standard tailstock
LED work light
Coolant system
Leveling wedge
Anchor bolt
Wrench
Dead center

Optional accessory

3-jaw self-centering chuck
4-jaw chuck
Faceplate
Quick change toolpost
Grinding attachment
Follow rest
Steady rest
Rotary tailstock with chuck
Electric tailstock

Automatic upper toolpost feeding device
Taper attachment
Toolpost protection
Chuck protection
Side protection
Thread indicator
Spindle bore adapter
Live center
DRO



Technical parameter ↓

Item	Unit	CW61100B	CW61125B	CW61140B	CW61160B	
Capacity	Swing over bed	mm	Φ1000	Φ1250	Φ1400	Φ1640
	Swing over carriage	mm	Φ615	Φ865	Φ1015	Φ1250
	Max. length of workpiece	mm	1500/3000/5000/6000	1500/3000/5000/6000	1500/3000/5000/6000	1500/3000/5000/6000
	Max. turning length	mm	1300/2800/4800/5800	1300/2800/4800/5800	1300/2800/4800/5800	1300/2800/4800/5800
	Span of guideway	mm	755	755	755	755
	Max. weight of workpiece	ton	6	6	6	6
Spindle	Spindle nose type	-	A2-15	A2-15	A2-15	A2-15
	Front taper of spindle hole	-	1:20/Metric 140	1:20/Metric 140	1:20/Metric 140	1:20/Metric 140
	Spindle bore	mm	Φ130	Φ130	Φ130	Φ130
	No. of spindle speeds	-	Forward 21; Reverse 12	Forward 21; Reverse 12	Forward 21; Reverse 12	Forward 21; Reverse 12
Range of spindle speeds	r/min	Forward 3.15-315; Reverse 3.5-291	Forward 3.15-315; Reverse 3.5-291	Forward 3.15-315; Reverse 3.5-291	Forward 3.15-315; Reverse 3.5-291	
Toolpost	Cross section of tool shank	mm	45×45	45×45	45×45	45×45
	Max.stroke of upper Toolpost	mm	300	300	300	300
	Max. stroke of lower Toolpost	mm	520	580	580	630
Feed	No. of longitudinal and transverse feeding	-	56 kinds each	56 kinds each	56 kinds each	56 kinds each
	No. and rang of metric threads	-	44; 1-120	44; 1-120	44; 1-120	44; 1-120
	No. and rang of inch threads	-	31; 28-1/4	31; 28-1/4	31; 28-1/4	31; 28-1/4
	No. and rang of modulus threads	-	45; 0.5-60	45; 0.5-60	45; 0.5-60	45; 0.5-60
	No. and rang of diameter pitch threads	-	38; 1/2-56DP	38; 1/2-56DP	38; 1/2-56DP	38; 1/2-56DP
Tailstock	Tailstock quill diameter	mm	160	160	160	160
	Tailstock quill taper	-	MT6	MT6	MT6	MT6
	Tailstock quill max. stroke	mm	300	300	300	300
Others	Main motor power	kw	22	22	22	22
	Width×Height	mm	2150×1700	2150×1825	2150×2100	2150×2150
	Length	mm	4600/6100/8100/9100	4600/6100/8100/9100	4600/6100/8100/9100	4600/6100/8100/9100
	Net weight	kg	9200/10700/12100/12800	10200/11800/14800/15500	10300/11900/14900/15600	10500/12100/15100/16600

Note: swing over bed/swing over gap/distance between centers (1500 mm - 12000 mm) can be customized.

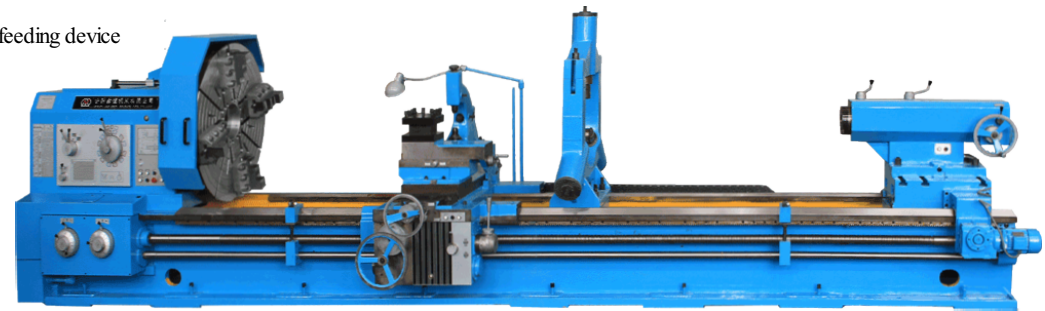
Conventional lathe (970 mm guideway) ↓

Standard accessory

Heavy duty 4-jaw chuck
Standard V4 toolpost
Standard tailstock
LED work light
Coolant system
Leveling wedge
Anchor bolt
Wrench
Dead center

Optional accessory

Spindle bore adapter
Spindle center
Toolpost protection
Chuck protection
4-jaw chuck
Faceplate
Quick change toolpost
Grinding attachment
Follow rest
Steady rest
Rotary tailstock with chuck
Electric tailstock
Double saddle
Automatic upper toolpost feeding device
Taper attachment
Side protection
Thread indicator
Live center
DRO
Force measuring device



Technical parameter ↓

Item	Unit	CW61125	CW61140	CW61160	
Capacity	Swing over bed	mm	Φ1250	Φ1400	Φ1600
	Swing over carriage	mm	Φ865	Φ1010	Φ1210
	Max. length of workpiece	mm	3000/4000/5000/6000	3000/4000/5000/6000	3000/4000/5000/6000
	Max. turning length	mm	2800/3800/4800/5800	2800/3800/4800/5800	2800/3800/4800/5800
	Span of guideway	mm	970	970	970
	Max. weight of workpiece	ton	10	10	10
Spindle	Front taper of spindle hole	-	Metric 140	Metric 140	Metric 140
	Spindle bore	mm	Φ130	Φ130	Φ130
	No. of spindle speeds	-	Forward 21; Reverse 12	Forward 21; Reverse 12	Forward 21; Reverse 12
	Range of spindle speeds	r/min	Forward 3.15-315; Reverse 3.5-291	Forward 3.15-315; Reverse 3.5-291	Forward 3.15-315; Reverse 3.5-291
Toolpost	Cross section of tool shank	mm	45×45	45×45	45×45
	Max. stroke of upper Toolpost	mm	300	300	300
	Max. stroke of lower Toolpost	mm	650	650	650
Feed	No. of longitudinal and transverse feeding	-	56 kinds each	56 kinds each	56 kinds each
	No. and rang of metric threads	-	44; 1-120	44; 1-120	44; 1-120
	No. and rang of inch threads	-	31; 28-1/4	31; 28-1/4	31; 28-1/4
	No. and rang of modulus threads	-	45; 0.5-60	45; 0.5-60	45; 0.5-60
	No. and rang of diameter pitch threads	-	38; 1/2-56DP	38; 1/2-56DP	38; 1/2-56DP
Tailstock	Tailstock quill diameter	mm	220	220	220
	Tailstock quill taper	-	MT6	MT6	MT6
	Tailstock quill max. stroke	mm	300	300	300
Others	Main motor power	kW	22	22	22
	Width×Height	mm	1995×2175	1995×2325	1995×2525
	Length	mm	6020/7020/8020/9020	6020/7020/8020/9020	6020/7020/8020/9020
	Net weight	kg	14500/15800/17000/18300	15000/16300/17500/18800	15500/16800/18000/19300

Note: swing over bed/distance between centers (3000 mm - 16000 mm) can be customized.

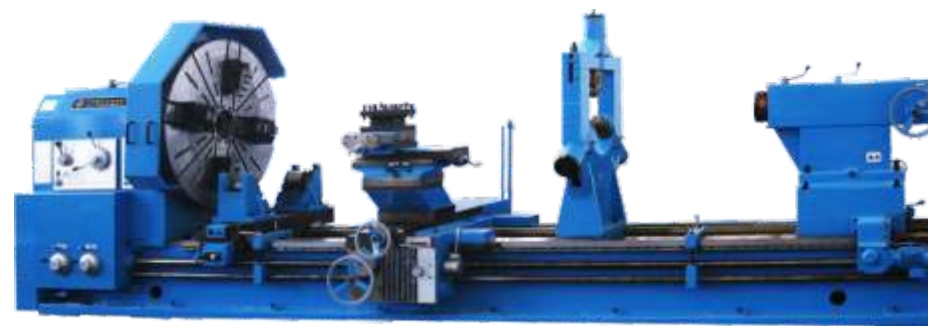
Conventional heavy duty lathe (1100 mm guideway) ↓

Standard accessory

Heavy duty 4-jaw chuck
Standard V4 toolpost
Standard tailstock
LED work light
Coolant system
Leveling wedge
Anchor bolt
Wrench
Metric 80/70° center

Optional accessory

Spindle bore adapter
Spindle center
Toolpost protection
Chuck protection
4-jaw chuck
Faceplate
Quick change toolpost
Grinding attachment
Follow rest
Steady rest
Roller support
Rotary tailstock with chuck
Electric tailstock
Double saddle
Taper attachment
Side protection
Thread indicator
Live center
Heavy duty center
Heavy duty center sleeve
2/3 axes DRO
Force measuring device



Technical parameter ↓

Item	Unit	C61125	C61160	C61180	C61200	
Capacity	Swing over bed	mm	Φ1250	1600	Φ1800	Φ2000
	Swing over carriage	mm	Φ900	Φ1250	Φ1450	Φ1650
	Max. length of workpiece	mm	3000/4000/5000/6000	3000/4000/5000/6000	3000/4000/5000/6000	3000/4000/5000/6000
	Max. turning length	mm	2800/3800/4800/5800	2800/3800/4800/5800	2800/3800/4800/5800	2800/3800/4800/5800
	Span of guideway	mm	1100	1100	1100	1100
	Structure of guideway	-	Rectangular 2 guideways	Rectangular 2 guideways	Rectangular 2 guideways	Rectangular 2 guideways
	Max. weight of workpiece	ton	16	16	16	16
Spindle	Front taper of spindle hole	-	Metric 140	Metric 140	Metric 140	Metric 140
	Spindle bore	mm	Φ100	Φ100	Φ100	Φ100
	No. of spindle speeds	-	Forward 21; Reverse 12	Forward 21; Reverse 12	Forward 21; Reverse 12	Forward 21; Reverse 12
	Range of spindle speeds	r/min	Forward 3.15-315; Reverse 3.5-291	Forward 3.15-315; Reverse 3.5-291	Forward 3.15-315; Reverse 3.5-291	Forward 3.15-315; Reverse 3.5-291
Toolpost	Cross section of tool shank	mm	50×50	50×50	50×50	50×50
	Max. stroke of upper Toolpost	mm	360	360	360	360
	Max. stroke of lower Toolpost	mm	740	850	900	900
Feed	No. of longitudinal and transverse feeding	-	56 kinds each	56 kinds each	56 kinds each	56 kinds each
	No. and rang of metric threads	-	44; 1-120	44; 1-120	44; 1-120	44; 1-120
	No. and rang of inch threads	-	31; 28-1/4	31; 28-1/4	31; 28-1/4	31; 28-1/4
	No. and rang of modulus threads	-	45; 0.5-60	45; 0.5-60	45; 0.5-60	45; 0.5-60
Tailstock	No. and rang of diameter pitch threads	-	38; 1/2-56DP	38; 1/2-56DP	38; 1/2-56DP	38; 1/2-56DP
	Tailstock quill diameter	mm	260	260	260	260
	Tailstock quill taper	-	Metric 80	Metric 80	Metric 80	Metric 80
Others	Tailstock quill max. stroke	mm	300	300	300	300
	Main motor power	kW	30	30	30	30
	Width×Height	mm	2058×2200	2130×2380	2330×2480	2430×2580
	Length	mm	6120/7120/8120/9120	6120/7120/8120/9120	6120/7120/8120/9120	6120/7120/8120/9120
Net weight	kg	18300/19900/21500/23100	19800/21400/23000/24600	20300/21900/235000/25100	20800/22400/24000/25600	

Note: swing over bed/distance between centers (3000 mm - 14000 mm) can be customized.

Conventional heavy duty lathe (1600 mm guideway) ↓

Standard accessory

Heavy duty 4-jaw chuck
Standard V4 toolpost
Standard tailstock
LED work light
Coolant system
Leveling wedge
Anchor bolt
Wrench
Tailstock center

Optional accessory

Spindle bore adapter
Spindle center
Toolpost protection
Chuck protection
4-jaw chuck
Faceplate
2/3 axes DRO
Grinding attachment
Follow rest
Steady rest
Roller support
Rotary tailstock with chuck
Electric tailstock
Double saddle
Side protection
Live center
Heavy duty center
Heavy duty center sleeve
Force measuring device



Technical parameter ↓

Item	Unit	C 61160	C 61200	C 61250	
Capacity	Swing over bed	mm	Φ1600	Φ2000	Φ2500
	Swing over carriage	mm	Φ1250	Φ1600	Φ2000
	Max. length of workpiece	mm	8000/10000/12000/16000	8000/10000/12000/16000	8000/10000/12000/16000
	Max. cutting force of single toolpost	kg	8000	8000	8000
	Total cutting force	kg	6000	6000	6000
	Max. cutting force	kg	16000	16000	16000
	Structure of guideway	-	Rectangular 3 guideways	Rectangular 3 guideways	Rectangular 3 guideways
	Span of guideway	mm	1600	1600	1600
Max. weight of workpiece	ton	32	32	32	
Spindle	Spindle speed	-	Stepless	Stepless	Stepless
	Spindle taper hole angle	°	75	75	75
	Spindle speed range	r/min	0.8-160	0.8-160	0.8-160
	Spindle taper hole	-	Metric 120, taper 1:7	Metric 120, taper 1:7	Metric 120, taper 1:7
	Face plate diameter	mm	Φ1600	Φ1800	Φ2000
Toolpost	Max. stroke of transverse toolpost	mm	725	725	800
	Max. stroke of lower toolpost	mm	600	600	600
Feed	Feed grades	-	18	18	18
	Range of metric threads	mm	2-40	2-40	2-40
	Range of inch threads	-	1-14	1-14	1-14
	Range of modulus threads	mm	1.5-20	1.5-20	1.5-20
Tailstock	Tailstock quill diameter	mm	Φ300	Φ300	Φ300
	Tailstock quill taper	-	Φ100 taper 1:7	Φ100 taper 1:7	Φ100 taper 1:7
	Tailstock quill max. stroke	mm	300	300	300
Others	Main motor power	kW	75	75	75
	Width×Height	mm	2479×2280	2579×2580	2679×2680
	Length	mm	13577/15577/17577/21577	13577/15577/17577/21577	13577/15577/17577/21577
	Net weight	kg	45000/48000/52000/58000	47000/50000/54000/59000	48000/51000/55000/60000

Note: swing over bed/distance between centers (5000 mm - 20000 mm) can be customized.

Conventional heavy duty lathe (2090 mm guideway) ↓

Standard accessory

Heavy duty 4-jaw chuck
Standard V4 toolpost
Standard tailstock
LED work light
Coolant system
Leveling wedge
Anchor bolt
Wrench
Tailstock center

Optional accessory

4-jaw chuck
Faceplate
2/3 axes DRO
Grinding attachment
Follow rest
Steady rest
Roller support
Rotary tailstock with chuck
Electric tailstock
Double saddle
Toolpost protection
Chuck protection
Side protection
Live center
Heavy duty center
Heavy duty center sleeve
Force measuring device
ZF gearbox



Technical parameter ↓

Item	Unit	C61250	
Capacity	Swing over bed	mm	Φ2500
	Swing over carriage	mm	Φ2200
	Length of workpiece	mm	5000-20000
	Max. torque of faceplate	N·m	120000
	Max. cutting force of single toolpost	N	120000
	Total cutting force	N	200000
	Span of guideway	mm	2090
	Structure of guideway	-	Rectangular 3 guideways
	Max. weight of workpiece	ton	63
Spindle	Spindle speed	-	Stepless
	Spindle speed range	r/min	0.5-125
	Spindle taper hole	-	Φ196.869; taper 1:4
	Face plate diameter	mm	Φ2200
Toolpost	Max. stroke of X-axis	mm	1000
	Rapid traverse speed of X-axis	mm/min	3000
	Rapid traverse speed of Z-axis	mm/min	6000
Tailstock	Tailstock quill diameter	mm	Φ560
	Tailstock quill stroke	mm	200
	Tailstock quill taper	mm	75°, Φ160 (taper 1:4)
Others	Main motor type	-	DC motor
	Main motor power	kW	144; 540-1900r/min

Note: swing over bed/distance between centers (5000 mm - 20000 mm) can be customized.

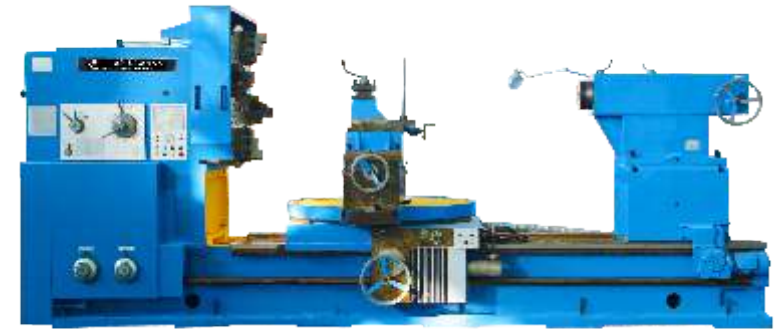
Spherical turning lathe

Standard accessory

3-jaw/4-jaw manual chuck
Standard V4 toolpost
Standard tailstock
LED work light
Coolant system
Leveling wedge
Anchor bolt
Wrench
Dead center

Optional accessory

Power chuck
Ball valve fixture
Hawking
Thread indicator
Grinding attachment
Quick change toolpost
Rotary tailstock
Electric tailstock
Toolpost protection
Chuck protection
Side protection
Spindle bore adapter
Live center



Technical parameter

Item	Unit	C6525	C6555	C6590A	C6590B	C65160	C65180	
Capacity	Swing over bed	mm	Φ560	Φ940	Φ1430	Φ1600	Φ2000	Φ2200
	Max. diameter of sphere	mm	Φ250	Φ550	Φ900	Φ900	Φ1600	Φ1800
	Min. diameter of sphere	mm	Φ50	Φ50	Φ150	Φ260	Φ1000	Φ1200
	Max. length of workpiece	mm	1000	1500	1500	1500	3000	3000
	Span of guideway	mm	400	550	600	755	1100	1100
	Max. weight of workpiece	ton	0.3	1.5	2	6	16	16
Spindle	Spindle nose type	-	C6	C11	C11	A2-15	A2-15	A2-15
	Spindle bore	mm	Φ52	Φ100	Φ104	Φ130	Φ100	Φ100
	Front taper of spindle hole	mm	MT6	Metric120	Metric120	Metric140	Metric140	Metric140
	No. of spindle speeds	-	24	18	18	21	21	21
	Range of spindle speeds	r/min	10-1400	6-800	5.4-720	3.15-315	3.15-315	3.15-315
	Spindle reverse speeds	r/min	14-1580	11-838	6.5-720	3.5-291	3.5-291	3.5-291
Toolpost	Chuck size	mm	Φ250	Φ320	Φ320	Φ400	Φ1250	Φ1250
	Cross section of tool shank	mm	25×25	30×30	32×32	45×45	50×50	50×50
	Swivel angle of toolpost	°	±90	±90	±90	±90	±55	±55
Tailstock	Toolpost type	-	V4	V4	V4	V4	V4	V4
	Tailstock quill diameter	mm	Φ75	Φ100	Φ100	Φ160	Φ260	Φ260
	Tailstock quill taper	-	MT5	MT5	MT5	MT6	Metric 80	Metric 80
Others	Tailstock quill effective stroke	mm	150	250	250	300	300	300
	Main motor power	kW	7.5	11	11	22	30	30
	Length	mm	2668	3725	3360	4700	6120	6220
	Width	mm	1000	1430	1450	2500	2620	2720
	Height	mm	1367	1690	1950	2000	2520	2620
Net weight	kg	2300	4400	5500	12000	20800	21300	

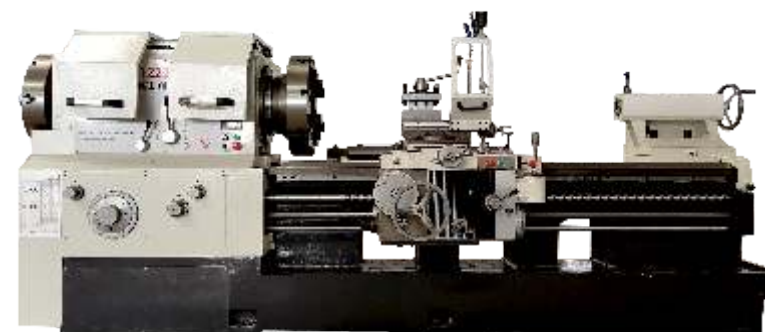
Conventional pipe threading lathe (550/600 mm guideway) ↓

Standard accessory

3-jaw/4-jaw manual chuck
Standard V4 toolpost
Taper attachment
Standard tailstock
LED work light
Coolant system
Leveling wedge
Anchor bolt
Wrench

Optional accessory

Pneumatic chuck
Quick change toolpost
Grinding attachment
Follow rest
Steady rest
Rear support
Thread indicator
Live center
DRO
Toolpost protection
Chuck protection
Side protection
Live center



Technical parameter ↓

Item	Unit	Q1213	Q1219	Q1222	Q1225	Q1227	
Capacity	Swing over bed	mm	Φ630/800	Φ630/800	Φ630/800	Φ800	Φ800
	Swing over carriage	mm	Φ340/520	Φ340/520	Φ340/520	Φ480	Φ480
	Distance between centers	mm	1500/3000	1500/3000	1500/3000	1500/3000	1500/3000
	Pipe threading range	mm	Φ30-126	Φ50-193	Φ50-220	Φ50-250	Φ50-270
	Span of guideway	mm	550	550	550	600	600
	Max. weight of workpiece	ton	3	3	3	4	4
Spindle	Spindle bore	mm	Φ130	Φ200	Φ225	Φ255	Φ280
	Spindle speed regulation	-	Stepless with manual gears	Stepless with manual gears	Stepless with manual gears	Stepless with manual gears	Stepless with manual gears
	Spindle speed range	r/min	30-650	20-550	20-550	20-420	20-420
	Chuck	mm	Φ400 3-jaw manual	Φ520 4-jaw manual	Φ520 4-jaw manual	Φ630 4-jaw manual	Φ630 4-jaw manual
Toolpost	Cross section of tool shank	mm	30×30	32×32	32×32	32×32	32×32
	Toolpost type	-	V4	V4	V4	V4	V4
Feed	Max. stroke of X-axis	mm	320/420	320/420	320/420	420	420
	Max. stroke of Z-axis	mm	1350/2850	1350/2850	1350/2850	1250/2750	1250/2750
	No. and range of X-axis feed	-	22/0.02-0.45	22/0.02-0.45	22/0.02-0.45	22/0.02-0.45	22/0.02-0.45
	No. and range of Z-axis feed	-	26/0.07-1.33	26/0.07-1.33	26/0.07-1.33	26/0.07-1.33	26/0.07-1.33
	Rapid traverse speed of X-axis	mm/min	2300	2300	2300	2300	2300
	Rapid traverse speed of Z-axis	mm/min	4000	4000	4000	4000	4000
	No. and rang of metric threads	-	52/1-24	1-15	1-15	1-15	1-15
No. and rang of inch threads	-	40/28-2	14-1	14-1	14-1	14-1	
Tailstock	Tailstock quill diameter	mm	Φ100	Φ100	Φ100	Φ120	Φ120
	Tailstock quill taper	-	MT5	MT5	MT5	MT6	MT6
	Tailstock quill max. stroke	mm	250	250	250	250	250
Others	Main motor power	kW	11	11	11	15	15
	Rapid traverse motor power	kW	0.3	0.3	0.3	1.1	1.1
	Coolant pump motor power	kW	0.125	0.125	0.125	0.125	0.125
	Width×Height	mm	1500×1500	1550×1550	1650×1550	1700×1600	1700×1600
	Length	mm	3700/5200	3700/5200	3700/5200	4100/5600	4100/5600
	Net weight	kg	4000/5200	4300/5500	4500/5700	8000/9000	8000/9000

Note: swing over bed/distance between centers can be customized.

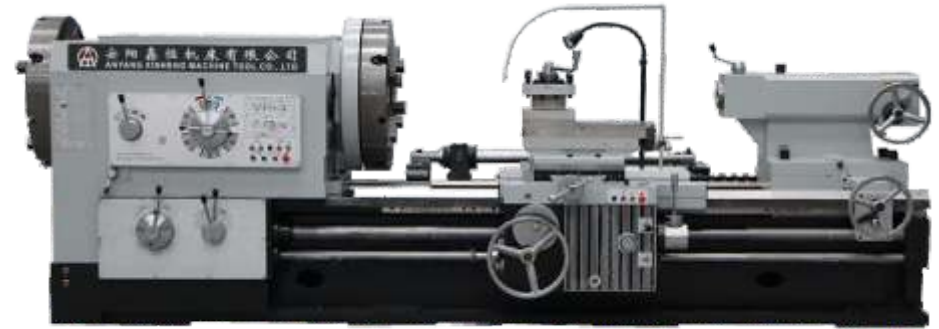
Conventional pipe threading lathe (755 mm guideway) ↓

Standard accessory

4-jaw manual chuck
Standard V4 toolpost
Taper attachment
Standard tailstock
LED work light
Coolant system
Leveling wedge
Anchor bolt
Wrench

Optional accessory

Pneumatic chuck
Quick change toolpost
Grinding attachment
Follow rest
Steady rest
Rear support
Thread indicator
Live center
DRO
Toolpost protection
Chuck protection
Side protection
Live center



Technical parameter ↓

Item	Unit	Q 1227	Q 1232	Q 1238	Q 1243	Q 1250	
Capacity	Swing over bed	mm	Φ1000	Φ1000	Φ1000	Φ1000	Φ1200
	Swing over carriage	mm	Φ610	Φ610	Φ610	Φ610	Φ710
	Distance between centers	mm	1500/3000	1500/3000	1500/3000	1500/3000	1500/3000
	Pipe threading range	mm	Φ130-270	Φ190-320	Φ190-380	Φ270-430	Φ330-510
	Span of guideway	mm	755	755	755	755	755
	Max. weight of workpiece	ton	6	6	6	6	6
Spindle	Spindle bore	mm	Φ280	Φ330	Φ390	Φ440	Φ520
	Spindle speed regulation	-	Stepless with manual gears	Stepless with manual gears	Stepless with manual gears	Stepless with manual gears	Stepless with manual gears
	Spindle speed range	r/min	16-380	7.5-280	6-205	4.9-180	4.9-180
	Chuck	mm	Φ800 4-jaw manual	Φ780 4-jaw electric	Φ850 4-jaw electric	Φ1000 4-jaw electric	Φ1000 4-jaw electric
Toolpost	Cross section of tool shank	mm	45×45	45×45	45×45	45×45	45×45
	Toolpost type	-	V4	V4	V4	V4	V4
Feed	Max. stroke of X-axis	mm	520	520	520	520	520
	Max. stroke of Z-axis	mm	1350/2850	1350/2850	1350/2850	1350/2850	1350/2850
	No. and range of X-axis feed	-	40/0.05-1.5	32/0.05-0.75	32/0.05-0.75	32/0.05-0.75	32/0.05-0.75
	No. and range of Z-axis feed	-	40/0.1-3.0	32/0.1-1.5	32/0.1-1.5	32/0.1-1.5	32/0.1-1.5
	Rapid traverse speed of X-axis	mm/min	1870	1870	1870	1870	1870
	Rapid traverse speed of Z-axis	mm/min	3740	3740	3740	3740	3740
	No. and rang of metric threads	-	30/1-30	23/1-15	23/1-15	23/1-15	23/1-15
No. and rang of inch threads	-	27/28-1	22/28-2	22/28-2	22/28-2	22/28-2	
Tailstock	Tailstock quill diameter	mm	Φ160	Φ160	Φ160	Φ160	Φ160
	Tailstock quill taper	-	MT6	MT6	MT6	MT6	MT6
	Tailstock quill max. stroke	mm	300	300	300	300	300
Power system	Main motor power	kW	22	22	22	22	22
	Rapid traverse motor power	kW	1.5	1.5	1.5	1.5	1.5
	Coolant pump motor power	kW	0.125	0.125	0.125	0.125	0.125
Others	Width×Height	mm	2100×1600	2100×1650	2100×1700	2100×1700	2100×1850
	Length	mm	4800/6300	4900/6400	4900/6400	5000/6500	5000/6500
	Net weight	kg	10000/11500	11500/13000	12800/14300	13000/14500	15000/16500

Note: swing over bed/distance between centers can be customized.

CNC lathe (260/312/400 mm guideway) ↓

Standard accessory

Quenched guideway
GSK928Tea CNC system
High-precision encoder
Motor and drive
Collect chuck/chuck
Gang toolpost/Standard V4 turret
Standard tailstock
LED work light
Coolant system

Automatic Lubrication system
Leveling wedge
Anchor bolt
Wrench
Cabinet shield

Optional accessory

Fanuc 0i-TF CNC system
GSK 980 CNC system
Sinumerik 808D CNC system
Linear guideway
Manual chuck
Pneumatic chuck
Hydraulic collet
Hydraulic chuck
Hydraulic system
Independent spindle
3.7/5.5/7.5kW Servo motor
6/8/12 station electric turret
6/8/12 station hydraulic turret
Milling power head
Grinding attachment
Manual tailstock
Hydraulic tailstock
Pneumatic Tailstock
Truss automation
Oil bath feeder
Servo feeder
Chip conveyor
Follow rest
Steady rest
Live center
Safety door switch



Technical parameter ↓

Item	Unit	CK0640	CK0660	CKD6136	CKD6140/A	CKQ6140	CKQ6150	CKQ6161	CKQ6166	CKQ6180
Capacities	Swing over bed	mm	Φ300	Φ400	Φ360	Φ400	Φ500	Φ610	Φ660	800
	Swing over carriage	mm	Φ120	Φ150	Φ200	Φ220	Φ210	Φ280	Φ370	Φ540
	Max. length of workpiece	mm	180	200	750/1000	750/1000	750/1000/2000	750/1000/2000	750/1000/2000	750/1000/2000
	Max. turning length	mm	180	200	600/850	600/850	600/850/1850	600/850/1850	600/850/1850	600/850/1850
	Span of guideway	mm	260	260	312	312	400	400	400	400
Spindle	Spindle nose type	-	-	-	C6	C6	C6/D8	C6/D8/D8	C6/D8/D8	C6/D8/D8
	Spindle center taper	-	-	-	MT6	MT6	MT6/Φ90 1:20	MT6/Φ90 1:20/Φ113 1:20	MT6/Φ90 1:20/Φ113 1:20	MT6/Φ90 1:20/Φ113 1:20
	Spindle bore	mm	Φ40	Φ48	Φ52	Φ52	Φ52/Φ80	Φ52/Φ80/Φ105	Φ52/Φ80/Φ105	Φ52/Φ80/Φ105
	Range of spindle speeds	r/min	3000	2800	1600/3000	1600	1500/1600	1500/1600	1500/1600	1500/1600
	Chuck size	mm	Spring collet	Spring collet	200	250	250	250	250	250
Turret	Cross section of tool shank	mm	16×16	16×16	20×20	20×20	25×25	25×25	25×25	25×25
	Turret type	-	Gang tool	Gang tool	V4	V4	V4	V4	V4	V4
Feed	Min. feed of X-axis/Z-axis	mm	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	Feed speed range	mm/min	1-2000	1-2000	1-2000	1-2000	1-2000	1-2000	1-2000	1-2000
	Rapid traverse speed of X-axis/Z-axis	mm/min	6000/8000	6000/8000	4000/6000	4000/6000	4000/6000	4000/6000	4000/6000	4000/6000
	Max. stroke of X-axis	mm	190	220	210	210	250	260	320	340
Tailstock	Tailstock quill diameter	mm	-	Φ52	Φ60	Φ60	Φ75	Φ75	Φ75	Φ75
	Tailstock quill taper	-	-	MT4	MT 4	MT 4	MT 5	MT 5	MT 5	MT 5
	Tailstock quill max. stroke	mm	-	90	100	100	150	150	150	150
Power system	Main motor power	kW	4	4	5.5	5.5	7.5	7.5	7.5	7.5
Others	CNC system	-	GSK928TEa	GSK928TEa	GSK928TEa	GSK928TEa	GSK928TEa	GSK928TEa	GSK928TEa	GSK928TEa
	Width × Height	mm	1200×1600	1000×1600	1240×1700	1240×1700	1550×1700	1550×1700	1550×1800	1550×1900
	Length	mm	1600	1700	2170/2415	2170/2415	2550/2750/3700	2550/2750/3700	2550/2750/3700	2550/2750/3700
	Net weight	kg	800	1100	1400/1500	1700/1800	2100/2200/2700	2120/2240/2740	2250/2400/2800	2300/2450/2880

Note: swing over bed/swing over gap/distance between centers (750 mm - 3000 mm) can be customized.

CNC lathe (550/600 mm guideway) ↓

Standard accessory

Fanuc 0i-TF (5) CNC system
3-jaw manual chuck
Standard V4 turret
Standard manual tailstock
LED work light
Coolant system
Automatic Lubrication system
Schneider electrical component
Semi-enclosed cabinet shield

Optional accessory

Leveling wedge
Anchor bolt
Wrench
GSK 980TDi CNC system
Sinumerik 808D CNC system
Φ140mm Spindle bore
Independent spindle
3/4-jaw manual chuck
3/4-jaw pneumatic chuck
3/4-jaw hydraulic chuck
Hydraulic system
Hydraulic spindle brake
11/15 kW Servo motor
6/8/12 station electric turret
6/8/12 station hydraulic turret
Milling power head
Grinding attachment
Hydraulic tailstock
Rotary tailstock
Hydraulic steady rest
Follow rest
Steady rest
Live center
Fully enclosed cabinet shield
Safety door switch
Chip conveyor
Optical linear encoder
Automatic gear shift
Truss automation
C-axis



Technical parameter ↓

Item	Unit	CK6163	CK6263	CK6180	CK6280	CK6194	CK6294	CKP6163	CKP6263	CKP6180	CKP6280	CKP6194	CKP6294	CKB6180	CKB61100	CKBP6180	CKBP61100	
Capacity	Swing over bed	mm	Φ630	Φ800	Φ940	Φ630	Φ800	Φ800	Φ940	Φ800	Φ1000	Φ800	Φ1000	Φ800	Φ1000	Φ800	Φ1000	
	Swing over carriage	mm	Φ340	Φ510	Φ650	Φ340	Φ510	Φ650	Φ480	Φ680	Φ480	Φ680	Φ480	Φ680	Φ480	Φ680	Φ680	
	Swing over gap		-	Φ800	-	Φ970	-	Φ1110	-	Φ800	-	Φ970	-	Φ1110	-	-	-	-
	Max. length of workpiece	mm	1500/2000/3000	1500/2000/3000	1500/2000/3000	1500/2000/3000	1500/2000/3000	1500/2000/3000	1500/2000/3000	1500/2000/3000	1500/2000/3000	1500/2000/3000	1500/2000/3000	1500/2000/3000	1500/2000/3000	1500/2000/3000	1500/2000/3000	1500/2000/3000
	Max. turning length	mm	1350/1850/2850	1350/1850/2850	1350/1850/2850	1350/1850/2850	1350/1850/2850	1350/1850/2850	1350/1850/2850	1350/1850/2850	1350/1850/2850	1350/1850/2850	1350/1850/2850	1350/1850/2850	1350/1850/2850	1350/1850/2850	1350/1850/2850	1350/1850/2850
	Span of guideway	mm	550	550	550	550	550	550	550	550	550	550	550	550	600	600	600	600
Max. weight of workpiece	ton	1.5/3	1.5/3	1.5/3	2/4	2/4	2/4	2/4	2/4	2/4	2/4	2/4	2/4	2/4	2/4	2/4	2/4	
Spindle	Spindle nose type	-	C11	C11	C11	C11	C11	C11	C11	C11	C11	C11	C11	C11/C15	C11/C15	C11/C15	C11/C15	
	Spindle center taper	-	MT5	MT5	MT5	MT5	MT5	MT5	MT5	MT5	MT5	MT5	MT5	MT6	MT6	MT6	MT6	
	Spindle bore	mm	Φ100	Φ100	Φ100	Φ100	Φ100	Φ100	Φ100	Φ100	Φ100	Φ100	Φ100	Φ100/Φ140	Φ100/Φ140	Φ100/Φ140	Φ100/Φ140	
	Spindle speed range	r/min	12.5-1000 (stepless with manual/hydraulic gears)	10-800 (stepless with manual/hydraulic gears)	10-800 (stepless with manual/hydraulic gears)	27-1000 (stepless with manual/hydraulic gears)	22-800 (stepless with manual/hydraulic gears)	22-800 (stepless with manual/hydraulic gears)	8-800 (stepless with manual/hydraulic gears)	8-800 (stepless with manual/hydraulic gears)	8-800 (stepless with manual/hydraulic gears)	8-800 (stepless with manual/hydraulic gears)	8-800 (stepless with manual/hydraulic gears)	8-800 (stepless with manual/hydraulic gears)	8-800 (stepless with manual/hydraulic gears)	8-800 (stepless with manual/hydraulic gears)	8-800 (stepless with manual/hydraulic gears)	
Turret	Cross section of tool shank	mm	32×32	32×32	32×32	32×32	32×32	32×32	32×32	32×32	32×32	32×32	32×32	32×32	32×32	32×32	32×32	
	Turret type	-	V4	V4	V4	V4	V4	V4	V4	V4	V4	V4	V4	V4	V4	V4	V4	
Feed	Min. feed of X-axis/Z-axis	mm	0.001/0.001	0.001/0.001	0.001/0.001	0.001/0.001	0.001/0.001	0.001/0.001	0.001/0.001	0.001/0.001	0.001/0.001	0.001/0.001	0.001/0.001	0.001/0.001	0.001/0.001	0.001/0.001	0.001/0.001	
	Rapid traverse speed of X-axis/Z-axis	mm/min	3000/6000	3000/6000	3000/6000	3000/6000	3000/6000	3000/6000	3000/6000	3000/6000	3000/6000	3000/6000	3000/6000	4000/5000	4000/5000	4000/5000	4000/5000	
	Max. stroke of X-axis	mm	390	475	475	390	475	475	475	475	475	475	475	420	420	420	420	
Tailstock	Tailstock quill diameter	mm	Φ100	Φ100	Φ100	Φ100	Φ100	Φ100	Φ100	Φ100	Φ100	Φ100	Φ100	Φ100	Φ100	Φ100	Φ100	
	Tailstock quill taper	-	MT5	MT5	MT5	MT5	MT5	MT5	MT5	MT5	MT5	MT5	MT5	MT6	MT6	MT6	MT6	
	Tailstock quill max. stroke	mm	250	250	250	250	250	250	250	250	250	250	250	250	250	250	250	
Power system	Main motor power	kW	11	11	11	11	11	11	11	11	11	11	11	15	15	15	15	
	Main motor speed	r/min	1460	1460	1460	1460	1460	1460	1460	1460	1460	1460	1460	970	970	970	970	
Others	CNC system	-	Fanuc 0i-TF(5)	Fanuc 0i-TF(5)	Fanuc 0i-TF(5)	Fanuc 0i-TF(5)	Fanuc 0i-TF(5)	Fanuc 0i-TF(5)	Fanuc 0i-TF(5)	Fanuc 0i-TF(5)	Fanuc 0i-TF(5)	Fanuc 0i-TF(5)	Fanuc 0i-TF(5)	Fanuc 0i-TF(5)	Fanuc 0i-TF(5)	Fanuc 0i-TF(5)	Fanuc 0i-TF(5)	
	Width×Height	mm	1800×1880	1880×1930	1880×1930	1800×1880	1880×1930	1880×1930	1880×1930	1880×1930	1880×1930	1880×1930	1880×1930	1985×2105	1985×2105	1985×2105	1985×2105	
	Length	mm	3895/4390/5390	3895/4390/5390	3895/4390/5390	3895/4390/5390	3895/4390/5390	3895/4390/5390	3895/4390/5390	3895/4390/5390	3895/4390/5390	3895/4390/5390	3895/4390/5390	3970/4510/5465	3970/4510/5465	3970/4510/5465	3970/4510/5465	
	Net weight	kg	4000/4500/5000	4400/4900/5400	4700/5200/5700	4000/4500/5000	4400/4900/5400	4700/5200/5700	4000/4500/5000	4400/4900/5400	4700/5200/5700	5300/5600/6000	5600/5900/6300	5300/5600/6000	5600/5900/6300	5300/5600/6000	5600/5900/6300	

Note: swing over bed/swing over gap/distance between centers (1000 mm - 8000 mm)/ CNC system (FANUC/SIEMENS/GSK/KND) can be customized.

CNC lathe (755mm guideway) ↓

Standard accessory

Fanuc 0i-TF (5) CNC system
4-jaw manual chuck
Standard V4 turret
Rotary motorized tailstock
LED work light
Coolant system
Automatic Lubrication system
Schneider electrical component
Semi-enclosed cabinet shield

Leveling wedge
Anchor bolt
Wrench

Optional accessory

GSK 980TDi CNC system
Sinumerik 808D CNC system
C-axis
Independent spindle
3/4-jaw manual chuck
3/4-jaw pneumatic chuck
3/4-jaw hydraulic chuck
Hydraulic system
Hydraulic spindle brake

11/15 kW Servo motor
6/8/12 station electric turret
6/8/12 station hydraulic turret
Milling power head
Grinding attachment
Hydraulic tailstock
Rotary tailstock
Hydraulic steady rest
Follow rest

Steady rest
Live center
Fully enclosed cabinet shield
Safety door switch
Chip conveyor
Optical linear encoder
Truss automation
Universal tool holder
Cabinet air conditioner



Technical parameter ↓

Item	Unit	CK61100	CK61125	CK61140	CK61160	CK61100E	CK61125E	CK61140E	CK61160E	
Capacity	Swing over bed	mm	Φ1000	Φ1250	Φ1400	Φ1640	Φ1000	Φ1250	Φ1400	Φ1640
	Swing over carriage	mm	Φ630	Φ880	Φ1030	Φ1250	Φ630	Φ880	Φ1030	Φ1250
	Max. length of workpiece	mm	1500/3000/5000	1500/3000/5000	1500/3000/5000	1500/3000/5000	1500/3000/5000	1500/3000/5000	1500/3000/5000	1500/3000/5000
	Max. turning length	mm	1300/2800/4800	1300/2800/4800	1300/2800/4800	1300/2800/4800	1300/2800/4800	1300/2800/4800	1300/2800/4800	1300/2800/4800
	Span of guideway	mm	755	755	755	755	755	755	755	755
Max. weight of workpiece	ton	6	6	6	6	6	6	6	6	
Spindle	Spindle nose type	-	A2-15	A2-15	A2-15	A2-15	A2-15	A2-15	A2-15	A2-15
	Spindle center taper	-	MT6	MT6	MT6	MT6	MT6	MT6	MT6	MT6
	Spindle bore	mm	Φ130	Φ130	Φ130	Φ130	Φ130	Φ130	Φ130	Φ130
	Spindle speed range	r/min	3.15-315 (stepless in 3 manual gears)	3.15-315 (stepless in 3 manual gears)	3.15-315 (stepless in 3 manual gears)	3.15-315 (stepless in 3 manual gears)	3.15-315 (stepless in 4 hydraulic gears)	3.15-315 (stepless in 4 hydraulic gears)	3.15-315 (stepless in 4 hydraulic gears)	3.15-315 (stepless in 4 hydraulic gears)
Chuck	mm	Φ1000 4-jaw manual	Φ1000 4-jaw manual	Φ1000 4-jaw manual	Φ1000 4-jaw manual	Φ1000 4-jaw manual	Φ1000 4-jaw manual	Φ1000 4-jaw manual	Φ1000 4-jaw manual	
Turret	Cross section of tool shank	mm	40×40	40×40	40×40	40×40	40×40	40×40	40×40	40×40
	Turret type	-	V4	V4	V4	V4	V4	V4	V4	V4
Tailstock	Tailstock quill diameter	mm	Φ160	Φ160	Φ160	Φ160	Φ160	Φ160	Φ160	Φ160
	Tailstock quill taper	-	MT6	MT6	MT6	MT6	MT6	MT6	MT6	MT6
	Tailstock quill max. stroke	mm	300	300	300	300	300	300	300	300
Power system	Main motor power	kW	22	22	22	22	30	30	30	30
	Main motor type	-	Converter motor	Converter motor	Converter motor	Converter motor	Servo motor	Servo motor	Servo motor	Servo motor
	Main motor speed	r/min	575/1200	575/1200	575/1200	575/1200	1000	1000	1000	1000
Others	CNC system	-	FANUC 0i-TF (5)	FANUC 0i-TF (5)	FANUC 0i-TF (5)	FANUC 0i-TF (5)	FANUC 0i-TF (5)	FANUC 0i-TF (5)	FANUC 0i-TF (5)	FANUC 0i-TF (5)
	Width×Height	mm	2530×2300	2530×2300	2780×2600	2780×2600	2530×2300	2530×2300	2780×2600	2780×2600
	Length	mm	4800/6300/8300	4800/6300/8300	4800/6300/8300	4800/5300/6300	4800/6300/8300	4800/6300/8300	4800/6300/8300	4800/6300/8300
	Net weight	kg	9200/10700/12500	10200/11500/13500	11000/12300/14100	11400/12700/14500	9200/10700/12500	10200/11500/13500	11000/12300/14100	11400/12700/14500

Note: swing over bed/swing over gap/distance between centers (1000 mm - 12000 mm) can be customized.

CNC lathe (970mm guideway) ↓

Standard accessory

Fanuc 0i-TF (5) CNC system
4-jaw manual chuck
Standard V4 turret
Rotary motorized tailstock
LED work light
Coolant system
Automatic Lubrication system
Schneider electrical component
Semi-enclosed cabinet shield

Leveling wedge
Anchor bolt
Wrench

Optional accessory

GSK 980TDi CNC system
Sinumerik 808D CNC system
C-axis
Servo spindle motor
3/4-jaw manual chuck
3/4-jaw pneumatic chuck
3/4-jaw hydraulic chuck
Hydraulic system
Hydraulic spindle brake

6/8/12 station electric turret
6/8/12 station hydraulic turret
Milling power head
Grinding attachment
Hydraulic tailstock
Pneumatic tailstock
Follow rest
Steady rest
Hydraulic Steady rest

Chip conveyor
Live center
Safety door switch
Universal tool holder
Cabinet air conditioner
Truss automation
Optical linear encoder
Fully enclosed cabinet shield
Force measuring device



Technical parameter ↓

Item	Unit	CK61125E	CK61140E	CK61160E	CK61180E	
Capacity	Swing over bed	mm	Φ1250	Φ1400	Φ1600	Φ1800
	Swing over carriage	mm	Φ880	Φ1010	Φ1210	Φ1410
	Max. length of workpiece	mm	3000/5000/8000	3000/5000/8000	3000/5000/8000	3000/5000/8000
	Max. turning length	mm	2800/4800/7800	2800/4800/7800	2800/4800/7800	2800/4800/7800
	Span of guideway	mm	970	970	970	970
	Max. weight of workpiece	ton	10	10	10	10
Spindle	Spindle nose type	-	A2-15	A2-15	A2-15	A2-15
	Spindle center taper	-	MT6	MT6	MT6	MT6
	Spindle bore	mm	Φ130	Φ130	Φ130	Φ130
	Spindle speed range	r/min	5-320 (stepless in 4 hydraulic gears)	5-320 (stepless in 4 hydraulic gears)	5-320 (stepless in 4 hydraulic gears)	5-320 (stepless in 4 hydraulic gears)
	Chuck	mm	Φ1250 4-jaw manual	Φ1250 4-jaw manual	Φ1250 4-jaw manual	Φ1250 4-jaw manual
Turret	Cross section of tool shank	mm	40×40	40×40	40×40	40×40
	Turret type	-	V4	V4	V4	V4
Tailstock	Tailstock quill diameter	mm	Φ220	Φ220	Φ220	Φ220
	Tailstock quill taper	-	MT6	MT6	MT6	MT6
	Tailstock quill max. stroke	mm	300	300	300	300
Power system	Main motor power	kW	30	30	30	30
Others	CNC system	-	FANUC 0i-TF (5)	FANUC 0i-TF (5)	FANUC 0i-TF (5)	FANUC 0i-TF (5)
	Width×Height	mm	2665×2650	2665×2800	2665×3000	2665×3200
	Length	mm	6520/8520/11520	6520/8520/11520	6520/8520/11520	6520/8520/11520
	Net weight	kg	13500/16500/20000	14000/17000/20500	14500/17500/21000	15000/18000/21500

Note: swing over bed/distance between centers (3000 mm - 12000 mm) can be customized.

CNC heavy duty lathe (1100 mm guideway) ↓

Standard accessory

Fanuc 0i-TF (5) CNC system
4-jaw manual chuck
Standard turret
Rotary motorized tailstock
LED work light
Coolant system
Automatic Lubrication system
Schneider electrical component
Cabinet shield

Optional accessory

GSK 980TDi CNC system
Sinumerik 808D CNC system
C-axis
Servo spindle motor
3/4-jaw manual chuck
3/4-jaw pneumatic chuck
3/4-jaw hydraulic chuck
Hydraulic system
Hydraulic spindle brake
6/8/12 station electric turret
6/8/12 station hydraulic turret
Hydraulic tailstock
Pneumatic Tailstock
Follow rest
Steady rest
Roller support
Chip conveyor
Live center
Safety door switch
Universal tool holder
Cabinet air conditioner
Truss automation
Optical linear encoder
Semi/Full enclosed cabinet shield
Force measuring device



Technical parameter ↓

Item	Unit	CKH61125	CKH61160	CKH61200	CKHJ61125	CKHJ61160	CKHJ61200	
Capacity	Swing over bed	mm	Φ1250	Φ1600	Φ2000	Φ1250	Φ1600	Φ2000
	Swing over carriage	mm	Φ900	Φ1250	Φ1600	Φ900	Φ1250	Φ1600
	Max. length of workpiece	mm	5000/8000/12000	5000/8000/12000	5000/8000/12000	5000/8000/12000	5000/8000/12000	5000/8000/12000
	Max. turning length	mm	4800/7800/11800	4800/7800/11800	4800/7800/11800	4800/7800/11800	4800/7800/11800	4800/7800/11800
	Span of guideway	mm	1100	1100	1100	1100	1100	1100
	Structure of guideway	-	Rectangular 2 guideways	Rectangular 2 guideways	Rectangular 2 guideways	Rectangular 2 guideways	Rectangular 2 guideways	Rectangular 2 guideways
	Max. weight of workpiece	ton	16	16	16	16	16	16
Spindle	Spindle nose type	-	A2-15	A2-15	A2-15	A2-15	A2-15	A2-15
	Spindle center taper	°	75	75	75	75	75	75
	Spindle bore	mm	Φ100	Φ100	Φ100	Φ100	Φ100	Φ100
	Spindle speed range	r/min	3-320 (stepless in 4 hydraulic gears)	3-320 (stepless in 4 hydraulic gears)	3-320 (stepless in 4 hydraulic gears)	Forward:3.15-315(21 gears); Reverse3.5-291(12 gears)	Forward:3.15-315(21 gears); Reverse3.5-291(12 gears)	Forward:3.15-315(21 gears); Reverse3.5-291(12 gears)
	Chuck	mm	Φ1250 4-jaw manual	Φ1400 4-jaw manual	Φ1600 4-jaw manual	Φ1250 4-jaw manual	Φ1400 4-jaw manual	Φ1600 4-jaw manual
Turret	Cross section of tool shank	mm	50×50	50×50	50×50	50×50	50×50	50×50
	Turret type	-	V4	V4	V4	V4	V4	V4
Tailstock	Tailstock quill diameter	mm	260	260	260	260	260	260
	Tailstock quill taper	-	Metric 80	Metric 80	Metric 80	Metric 80	Metric 80	Metric 80
	Tailstock quill max. stroke	mm	300	300	300	300	300	300
Power system	Main motor power	kW	30	30	30	30	30	30
	Main motor type	-	Servo motor	Servo motor	Servo motor	Converter motor	Converter motor	Converter motor
	Main motor speed	r/min	115/2300	115/2300	115/2300	1470	1470	1470
Others	CNC system	-	FANUC 0i-TF (5)	FANUC 0i-TF (5)	FANUC 0i-TF (5)	FANUC 0i-TF (5)	FANUC 0i-TF (5)	FANUC 0i-TF (5)
	Width×Height	mm	3200×2220	3200×2750	3200×2950	3200×2220	3200×2750	3200×2950
	Length	mm	8400/11400/15400	8400/11400/15400	8400/11400/15400	8400/11400/15400	8400/11400/15400	8400/11400/15400
	Net weight	kg	26000/32600/41400	29500/36100/44900	33500/40100/48900	26000/32600/41400	29500/36100/44900	33500/40100/48900

Note: swing over bed/distance between centers (3000 mm - 20000 mm) can be customized.

CNC heavy duty lathe (1600 mm guideway) ↓

Standard accessory

Fanuc 0i-TF (1) CNC system
 4-jaw manual chuck
 Standard V4 turret
 Rotary motorized tailstock
 LED work light
 Coolant system
 Automatic Lubrication system
 Schneider electrical component
 Cabinet shield

Leveling wedge
 Anchor bolt
 Wrench

Optional accessory

GSK 980TDi CNC system
 Sinumerik 828D CNC system
 3/4-jaw manual chuck
 3/4-jaw hydraulic chuck
 Hydraulic system
 6/8/12 station electric turret
 6/8/12 station hydraulic turret
 Grinding attachment
 Hydraulic tailstock

Follow rest
 Steady rest
 Roller support
 Chip conveyor
 Live center
 Safety door switch
 Universal tool holder
 Cabinet air conditioner
 Truss automation

Optical linear encoder
 Force measuring device
 ZF gearbox



Technical parameter ↓

Item	Unit	CK61160	CK61200	CK61250	
Capacity	Swing over bed	mm	Φ1600	Φ2000	Φ2500
	Swing over carriage	mm	Φ1250	Φ1600	Φ2000
	Max. length of workpiece	mm	5000/8000/12000	5000/8000/12000	5000/8000/12000
	Span of guideway	mm	1600	1600	1600
	Structure of guideway	-	Rectangular 3 guideways	Rectangular 3 guideways	Rectangular 3 guideways
	Max. faceplate torque	kN.m	80	80	80
	Max. weight of workpiece	ton	32	32	32
Spindle	Taper hole of spindle	-	75°; Φ120	75°; Φ120	75°; Φ120
	Spindle speed regulation	-	Stepless	Stepless	Stepless
	Spindle speed range	r/min	0.8-160	0.8-160	0.8-160
	Face plate diameter	mm	1600/1800	1600/1800	1600/1800
	Chuck	mm	Φ1600mm 4-jaw manual	Φ1800mm 4-jaw manual	Φ2000mm 4-jaw manual
Turret	Cross section of tool shank	mm	70×70	70×70	70×70
	Turret size	mm	440×440	440×440	440×440
	Turret type	-	V4	V4	V4
	Max. cutting force of single turret	kN	80	80	80
	Total cutting force	kg	16000	16000	16000
Tailstock	Tailstock quill diameter	mm	Φ300	Φ300	Φ300
	Tailstock quill taper	-	Φ100 taper 1:7	Φ100 taper 1:7	Φ100 taper 1:7
	Tailstock quill max. stroke	mm	300	300	300
Power system	Main motor power	kW	75	75	75
	Spindle motor type	-	DC motor	DC motor	DC motor
	Main motor speed	r/min	400-1200	400-1200	400-1200
Others	CNC system	-	FANUC 0i-TF(1)	FANUC 0i-TF(1)	FANUC 0i-TF(1)
	Width×Height	mm	2280×3500	2280×3500	2280×3500
	Length	mm	10600/13600/176000	10600/13600/176000	10600/13600/176000

Note: swing over bed/distance between centers (4000 mm - 20000 mm) can be customized.

CNC heavy duty lathe (2090 mm guideway) ↓

Standard accessory

Fanuc 0i-TF (1) CNC system
 4-jaw manual chuck
 Standard turret
 Rotary motorized tailstock
 LED work light
 Coolant system
 Automatic Lubrication system
 Schneider electrical component
 Cabinet shield

Leveling wedge
 Anchor bolt
 Wrench

Optional accessory

GSK 980TDi CNC system
 Sinumerik 828D CNC system
 4-jaw manual chuck
 Hydraulic system
 Frame turret
 Hydraulic tailstock
 Follow rest
 Steady rest
 Roller support
 Chip conveyor
 Live center
 Cabinet air conditioner
 Optical linear encoder
 Force measuring device
 ZF gearbox



Technical parameter ↓

Item	Unit	CK61250(63T)
Capacity	Swing over bed	mm Φ2500
	Swing over carriage	mm Φ2200
	Max.length of workpiece	mm 5000/8000/12000
	Span of guideway	mm 2090
	Structure of guideway	- Rectangular 3 guideways
	Max. faceplate torque	kN·m 120
	Max.weight of workpiece	ton 63
Spindle	Taper hole of spindle	- 75° Φ196.869
	Spindle speed regulation	- Stepless
	Spindle speed range	r/min 0.5-125
	Face plate diameter	mm 2200
	Chuck	mm Φ2500mm 4-jaw manual
Turret	Cross section of tool shank	mm 80×80
	Stroke of X-axis (transverse)	mm 1000
	Rapid traverse speeds of X-axis	mm/min 3000
	Stroke of Z-axis (longitudinal)	mm 5000-18000
	Rapid traverse speeds of Z-axis	mm/min 6000
	Max. stroke of tool plate	mm 300
	Max. cutting force of single turret	kN 120
Tailstock	Total cutting force	kN 200
	Tailstock quill diameter	mm 560
	Tailstock quill taper	- 75° Φ160 (taper 1:4)
Power system	Tailstock quill max. stroke	mm 200
	Main motor power	kW 144
	Main drive motor type	- DC motor
Others	Main drive motor speed range	r/min 540-1900
	CNC system	- FANUC 0i-TF(1)
	Width×Height	mm 4000×3800
	Length	mm 12000/15000/19000

Note: swing over bed/distance between centers (5000mm - 20000mm) can be customized.

CNC roll turning lathe

Standard accessory

Fanuc 0i-TF (5) CNC system	Leveling wedge
4-jaw manual chuck	Anchor bolt
Standard turret	Wrench
Standard tailstock	Center
LED work light	Foot switch
Coolant system	
Automatic Lubrication system	
Schneider electrical component	
Cabinet shield	

Optional accessory

GSK 980TDi CNC system	Steady rest
Sinumerik 828D CNC system	Roller support
3/4 jaw manual chuck	Live center
3/4 jaw pneumatic chuck	Safety door switch
3/4 jaw hydraulic chuck	Cabinet air conditioner
Hydraulic system	Optical linear encoder
Hydraulic tailstock	Semi/Full enclosed cabinet shield
Force measuring device	
Follow rest	



Technical parameter

Item	Unit	CK8450	CKQ8465	CKQ8485	CK8465	CK8485	CKQ84100	CK84100	CK84125	CK84160	
Capacities	Max. roll turning diameter	mm	Φ500	Φ650	Φ850	Φ650	Φ850	Φ1000	Φ1000	Φ1250	Φ1600
	Max. length of workpiece	mm	2500/3000	2500/3000	2500/3000	3500/5000	3500/5000	3500/5000	5000/6000/8000	5000/6000/8000	5000/6000/8000
	Max. turning length	mm	2300/3000	2300/3000	2300/3000	3000/4800	3000/4800	3000/4800	4800/5800/7800	4800/5800/7800	4800/5800/7800
	Span of guideways	mm	850/900	850/900	850/900	1100	1100	1100	1450	1450	1450
	Max. weight of workpiece	kg	3600/4000	3600/4000	3600/4000	8000	8000	8000	20000	20000	20000
Spindle	Spindle nose type	-	C2-11	C2-11	C2-11	A2-15	A2-15	A2-15	A2-15	A2-15	A2-15
	Spindle bore	mm	Φ100	Φ100	Φ100	Φ130	Φ130	Φ130	Φ96	Φ96	Φ96
	Taper hole of spindle	-	Metric120	Metric120	Metric120	Metric 140	Metric 140	Metric 140	Metric 140	Metric 140	Metric 140
	Taper of spindle center	-	MT5	MT5	MT5	MT6	MT6	MT6	MT6	MT6	MT6
	Spindle speed range	r/min	10-500	10-500	10-500	8-350	8-350	8-350	5-200	5-200	5-200
	Chuck (4-jaw manual)	mm	Φ500-630	Φ500-630	Φ500-630	Φ630-800	Φ630-800	Φ630-800	Φ800-1125	Φ800-1125	Φ800-1125
Turret	Cross section of tool shank	mm	40×40	40×40	40×40	40×40	40×40	40×40	50×50	50×50	50×50
	Turret type	-	V4	V4	V4	V4	V4	V4	V4	V4	V4
Feed	Max. stroke of X-axis	mm	330	330	330	450	450	450	450	450	450
	Min. feed of X-axis/Z-axis	mm	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001	0.001
	Rapid traverse speed of X-axis	m/min	3	3	3	3	3	3	3	3	3
	Rapid traverse speed of Z-axis	m/min	6	6	6	6	6	6	6	6	6
Tailstock	Tailstock quill diameter	mm	200	200	200	220	220	220	300	300	300
	Tailstock quill taper	-	MT5	MT5	MT5	MT6	MT6	MT6	MT6	MT6	MT6
	Tailstock quill max. stroke	mm	310	310	310	330	330	330	310	310	310
Others	CNC system	-	Fanuc	Fanuc	Fanuc	Fanuc	Fanuc	Fanuc	Fanuc	Fanuc	Fanuc
	Spindle motor power	kW	Fanuc 0i-TF (5)	Fanuc 0i-TF (5)	Fanuc 0i-TF (5)	Fanuc 0i-TF (5)	Fanuc 0i-TF (5)	Fanuc 0i-TF (5)	Fanuc 0i-TF (5)	Fanuc 0i-TF (5)	Fanuc 0i-TF (5)
	Machining accuracy	-	IT6-IT7	IT6-IT7	IT6-IT7	IT6-IT7	IT6-IT7	IT6-IT7	IT6-IT7	IT6-IT7	IT6-IT7
	Surface roughness	μm	Ra 0.8	Ra 0.8	Ra 0.8	Ra 0.8	Ra 0.8	Ra 0.8	Ra 0.8	Ra 0.8	Ra 0.8

CNC pipe threading lathe (550/600 mm guideway) ↓

Standard accessory

Sinumerik 808D CNC system	Leveling wedge
3-jaw/4-jaw manual chuck	Anchor bolt
Standard V4 turret	Wrench
Standard manual tailstock	Foot switch
LED work light	
Coolant system	
Automatic Lubrication system	
Schneider electrical component	
Cabinet shield	

Optional accessory

GSK 980TDi CNC system	Rear support
Fanuc 0i-TF (5) CNC system	Follow rest
3/4 jaw pneumatic chuck	Length gauge
3/4 jaw hydraulic chuck	Live center
11/15 kW servo spindle motor	Cabinet air conditioner
6/8/12 station electric turret	Safety door switch
6/8/12 station hydraulic turret	Chip conveyor
Hydraulic tailstock	Optical linear encoder
Hydraulic Steady rest	Automatic pipe loading and unloading device



Technical parameter ↓

Item	Unit	QK1213	QK1219	QK1222	QK1225	QK1227	
Capacity	Swing over bed	mm	Φ630/800	Φ630/800	Φ630/800	Φ800	Φ800
	Swing over carriage	mm	Φ340/520	Φ340/520	Φ340/520	Φ480	Φ480
	Distance between centers	mm	1000/1500/3000	1000/1500/3000	1000/1500/3000	1000/1500/3000	1000/1500/3000
	Pipe threading range	mm	Φ30-126	Φ50-193	Φ50-220	Φ120-250	Φ130-270
	Span of guideway	mm	550	550	550	600	600
	Max. weight of workpiece	ton	3	3	3	4	4
Spindle	Spindle bore	mm	Φ130	Φ200	Φ225	Φ255	Φ280
	Spindle speed regulation	-	stepless in 3 manual gears	stepless in 4 manual /hydraulic gears	stepless in 4 manual /hydraulic gears	stepless in 4 manual /hydraulic gears	stepless in 4 manual /hydraulic gears
	Spindle speed range	r/min	30-720	20-550	20-550	20-420	20-420
	Chuck	mm	Φ400 3-jaw manual	Φ500 3-jaw manual	Φ500 3-jaw manual	Φ630 4-jaw manual	Φ630 4-jaw manual
Turret	Cross section of tool shank	mm	32×32	32×32	32×32	32×32	32×32
	Turret type	-	V4	V4	V4	V4	V4
Feed	Max. stroke of X-axis	mm	320/420	320/420	320/420	420	420
	Max. stroke of Z-axis	mm	850/1350/2850	850/1350/2850	850/1350/2850	850/1350/2850	850/1350/2850
	Rapid traverse speed of X-axis	mm/min	4000	4000	4000	4000	4000
	Rapid traverse speed of Z-axis	mm/min	6000	6000	6000	6000	6000
Tailstock	Tailstock quill diameter	mm	Φ100	Φ100	Φ100	Φ120	Φ120
	Tailstock quill taper	-	MT5	MT5	MT5	MT6	MT6
	Tailstock quill max. stroke	mm	250	250	250	250	250
Power system	Main motor power	kW	11	11	11	15	15
	Coolant pump motor power	kW	0.125	0.125	0.125	0.125	0.125
Others	CNC system	-	Siemens 808D	Siemens 808D	Siemens 808D	Siemens 808D	Siemens 808D
	Width×Height	mm	1800×1850	1880×1850	1880×1850	1930×1900	1930×1900
	Length	mm	3300/3800/5300	3300/3800/5300	3300/3800/5300	3600/4100/5600	3600/4100/5600
	Net weight	kg	4500/5000/6000	4600/5100/6100	4700/5200/6200	6000/6500/7500	6200/6700/7700

Note: swing over bed/distance between centers can be customized.

CNC pipe threading lathe (755 mm guideway) ↓

Standard accessory

Sinumerik 808D CNC system
 3-jaw/4-jaw manual chuck
 Standard V4 turret
 Standard manual tailstock
 LED work light
 Coolant system
 Automatic Lubrication system
 Schneider electrical component
 Cabinet shield

Optional accessory

GSK 980TDi CNC system
 Fanuc 0i-TF (5) CNC system
 3/4 jaw pneumatic chuck
 3/4 jaw hydraulic chuck
 11/15 kW servo spindle motor
 6/8/12 station electric turret
 6/8/12 station hydraulic turret
 Hydraulic tailstock
 Hydraulic Steady rest
 Rear support
 Follow rest
 Length gauge
 Live center
 Cabinet air conditioner
 Safety door switch
 Chip conveyor
 Optical linear encoder
 Automatic pipe loading and unloading device



Technical parameter ↓

Item	Unit	QK1232	QK1238	QK1243	QK1250	QK1263	
Capacity	Swing over bed	mm	Φ1000	Φ1000	Φ1000	Φ1200	Φ1400
	Swing over carriage	mm	Φ610	Φ610	Φ610	Φ710	Φ800
	Distance between centers	mm	1500/3000	1500/3000	1500/3000	1500/3000	1500/3000
	Pipe threading range	mm	Φ190-320	Φ190-380	Φ270-430	Φ330-510	Φ330-630
	Span of guideway	mm	755	755	755	755	1100
	Max. weight of workpiece	ton	6	6	6	6	10
Spindle	Spindle bore	mm	Φ330	Φ390	Φ440	Φ520	Φ640
	Spindle speed regulation	-	stepless with manual/hydraulic gears	stepless with manual/hydraulic gears	stepless with manual/hydraulic gears	stepless with manual/hydraulic gears	stepless with manual/hydraulic gears
	Spindle speed range	r/min	10-280	8-205	8-205	8-190	2-120
	Chuck	mm	Φ780 4-jaw electric	Φ850 4-jaw electric	Φ1000 4-jaw electric	Φ1000 4-jaw electric	Φ1250 4-jaw manual
Turret	Cross section of tool shank	mm	40×40	40×40	40×40	50×50	50×50
	Turret type	-	V4	V4	V4	V4	V4
Feed	Max. stroke of X-axis	mm	520	520	520	520	750
	Max. stroke of Z-axis	mm	1250/2750	1250/2750	1250/2750	1250/2750	1250/2750
	Rapid traverse speed of X-axis	mm/min	4000	4000	4000	4000	4000
	Rapid traverse speed of Z-axis	mm/min	4000	4000	4000	4000	4000
Tailstock	Tailstock quill diameter	mm	Φ160	Φ160	Φ160	Φ160	Φ260 (rotary quill)
	Tailstock quill taper	-	MT6	MT6	MT6	MT6	Metric 80
	Tailstock quill max. stroke	mm	300	300	300	300	300
Power system	Main motor power	kW	22	22	22	22	37
	Coolant pump motor power	kW	0.125	0.125	0.125	0.125	0.125
Others	CNC system	-	Siemens 808D	Siemens 808D	Siemens 808D	Siemens 808D	Siemens 808D
	Width×Height	mm	2080×2080	2220×2120	2220×2120	2300×2200	2500×2500
	Length	mm	5000/6500	5000/6500	5000/6500	5000/6500	5600/7100
	Net weight	kg	11500/12500	12000/13000	13000/14000	15000/16000	18000/19300

Note: swing over bed/distance between centers can be customized.

Slant bed CNC pipe threading lathe

Standard accessory

Sinumerik 808D CNC system	Leveling wedge
3-jaw/4-jaw manual chuck	Anchor bolt
H8 hydraulic turret	Wrench
Standard tailstock	Quenched guideway
LED work light	Foot switch
Coolant system	
Automatic Lubrication system	
Schneider electrical component	
Cabinet shield	

Optional accessory

GSK 980TDi CNC system	Follow rest
Fanuc 0i-TF (5) CNC system	Length gauge
3/4 jaw pneumatic chuck	Live center
3/4 jaw hydraulic chuck	Cabinet air conditioner
15/22 kW servo spindle motor	Automatic door
8/12 station electric turret	Chip conveyor
8/12 station hydraulic turret	Optical linear encoder
Hydraulic tailstock	Automatic pipe loading and unloading device
Hydraulic Steady rest	Linear guideway



Technical parameter

Item	Unit	QKXI212	QKXI215	QKXI222	QKXI227	QKXI238	QKXI250	QKXI219J	QKXI222J	QKXI225J	QKXI227J	
Bed slant angle	°	45	45	45	45	45	45	45	45	45	45	
Capacity	Swing over bed	mm	Φ630	Φ630	Φ680	Φ900	Φ1200	Φ1200	Φ600	Φ600	Φ600	
	Max. turning diameter	mm	Φ600	Φ600	Φ600	Φ600	Φ710	Φ710	Φ450	Φ450	Φ450	
	Swing over cross slide	mm	Φ440	Φ440	Φ450	Φ600	Φ710	Φ710	Φ450	Φ450	Φ450	
	Distance between centers	mm	1000	1000	1000	1000	1000	4000	-	-	-	
	Pipe threading range	mm	Φ110	Φ140	Φ220	Φ300	Φ380	Φ500	Φ190	Φ220	Φ250	Φ275
Spindle	Spindle nose type	-	A2-11	A2-11	A2-15	Short cylinder	Thread	Thread	Short cylinder	Short cylinder	Short cylinder	
	Spindle bore	mm	Φ120	Φ150	Φ230	Φ305	Φ390	Φ520	Φ200	Φ225	Φ255	Φ280
	Max. spindle speed	r/min	800	800	550	350	190	190	550	550	450	450
Turret	Cross section of tool shank	mm	32×32	32×32	32×32	32×32	32×32	32×32	32×32	32×32	32×32	
	Turret type	-	H8 Hydraulic	H8 Hydraulic	H8 Hydraulic	H8 Hydraulic	H8 Hydraulic	H8 Hydraulic	H8 Hydraulic	H8 Hydraulic	H8 Hydraulic	
Feed	Stroke of X-axis	mm	335	335	350	375	375	375	350	350	350	
	Stroke of Z-axis	mm	1100	1100	1140	1250	1250	3750	600	600	600	
	Rapid traverse speed of X-axis	mm/min	4000	4000	4000	10000	10000	10000	4000	4000	4000	
	Rapid traverse speed of Z-axis	mm/min	6000	6000	6000	12000	12000	12000	6000	6000	6000	
Tailstock	Tailstock quill diameter	mm	Φ130	Φ130	Φ140	Φ170	Φ170	Φ170	Without tailstock	Without tailstock	Without tailstock	
	Tailstock quill taper	-	MT5	MT5	MT6	MT6	MT6	MT6	-	-	-	
	Tailstock quill max. stroke	mm	100	100	200	180	180	180	-	-	-	
Power system	Main motor power	kW	15	15	22	22	22	22	22	22	22	
	Coolant pump motor power	kW	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	0.55	
Others	Width×Height	mm	2050×2300	2050×2300	2100×2300	2182×2100	2482×2300	2482×2300	2250×2350	2250×2350	2250×2350	
	Length	mm	4850	4850	6600	6700	7000	10000	5100 (including chip conveyor)	5100 (including chip conveyor)	5100 (including chip conveyor)	
	Net weight	kg	7500	7500	12000	14300	21500	28000	10300	10500	11300	

Note: swing over bed/distance between centers can be customized.

High performance CNC pipe threading lathe

Standard accessory

Fanuc 0i-TF (1) CNC system
 3-jaw/4-jaw manual chuck
 Double turret
 Standard tailstock
 LED work light
 Coolant system
 Automatic Lubrication system
 Schneider electrical component
 Cabinet shield

Leveling wedge
 Anchor bolt
 Wrench
 Foot switch
 Length gauge

Optional accessory

GSK 980TDi CNC system
 Sinumerik 828D CNC system
 3/4-jaw pneumatic chuck
 3/4-jaw hydraulic chuck
 8/12 station electric turret
 8/12 station hydraulic turret
 Cabinet air conditioner
 Automatic door
 Chip conveyor

Optical linear encoder
 Automatic pipe loading and unloading device
 Linear guideway



Technical parameter

Item	Unit	QKH-178	QKH-340	
Bed slant angle	°	45	45	
Capacities	Pipe threading range	mm	Φ60-178	Φ140-340
	Pipe type	-	ERW; High frequency welded steel pipe; Seamless steel pipe	ERW; High frequency welded steel pipe; Seamless steel pipe
	Quality standard of threads	-	API-5B	API-5B
	Range of workpiece length	m	6-12.5	6-12.5
	Form of guideway	mm	Linear guideway	Linear guideway
Spindle	Spindle speed range	r/min	50-900	50-500
	The distance between spindle center to floor	mm	1200	1200
Chuck	Front chuck type	-	Hydraulic, pre-centering	Hydraulic, pre-centering
	Rear chuck type	-	Hydraulic	Hydraulic
Turret	Upper turret type	-	6-position	6 positions
	Lower turret type	-	Fixed	Fixed
	Repeat positioning precision of lower turret	mm	±0.005	±0.005
Others	CNC system	mm	FANUC	FANUC
	Main motor power	kW	132	132
	Workpiece surface roughness	-	Ra1.6	Ra1.6
	Width×Height	mm	2120×2100	2410×2100
	Length	mm	4448	4613
	Lathe weight	kg	16500	20000
	Feeding equipment weight	kg	7000	12000

Slant bed CNC lathe (AP series) ↓

Standard accessory

GSK988T CNC system	Anchor bolt
Collet/3-jaw through-hole chuck	Wrench
Gang toolpost	Foot switch
LED work light	Cabinet air conditioner
Coolant system	
Automatic Lubrication system	
Schneider electrical component	
Cabinet shield	
Leveling wedge	

Optional accessory

Fanuc 0i-TF (5) CNC system	Chip conveyor & trolley	Tool setter
Sinumerik 808D CNC system	Hydraulic spindle brake	Workpiece probe
3-jaw non-through-hole chuck	High pressure pump	
Power head	Milling power head	
C-axis	Oil mist collector	
Auto door	Oil skimmer	
Main spindle air curtain	Parts catcher	
Bar feeder	Robot	
Transformer		



Technical parameter ↓

Item	Unit	AP32	AP36	AP36B	AP46DP	
Capacity	Bed slant angle	°	30	30	30	45
	Swing over bed	mm	Φ320	Φ360	Φ360	Φ420
	Swing over carriage	mm	Φ110	Φ110	Φ110	Φ160
	Max. turning length	mm	260	230	330	200 (Turret)/280 (Gang tool post)
	Max. carriage length	mm	700	700	600	500
Spindle	Spindle nose type	-	A2-5	A2-5	A2-5	A2-5
	Spindle bore	-	Φ51	Φ48	Φ56	Φ52
	Allowable bar diameter through spindle bore	mm	Φ40	Φ40	Φ42	Φ42
	Max. spindle speed	r/min	4500	4500	5000	5000
	Spindle motor power	kW	3.7	5.5	5.5	7.5
	Collet/Chuck specification	-	CL42-A5 Collet	CL42-A5 Collet	CL42-A5 Collet	6 inch Chuck
Stroke & Feed	Max. X-axis stroke	mm	300	380	410	750
	Max. Z-axis stroke	mm	280	250	330	290
	Rapid traverse speed of X-axis/Z-axis	m/min	X:20/Z:20	X:20/Z:20	X:24/Z:24	X:18/Z:24
	Max. feeding speed of X-axis/Z-axis	m/min	5	5	5	5
Accuracy	Repeat positioning accuracy of X-axis/Z-axis	mm	0.003	0.003	0.003	0.003
	Positioning accuracy of X-axis/Z-axis	mm	0.006	0.006	0.006	0.005
Turret	Turret type	-	Gang tool post	Gang tool post	Gang tool post	Hydraulic turret + Gang tool post
	No. of switching positions	-	-	-	-	8
	Cross section of tool shank	mm	20×20	20×20	20×20	20×20
	Boring bar diameter	mm	Φ25	Φ25	Φ25	Φ20 (Hydraulic turret)/ Φ25 (Gang tool post)
Others	CNC system	-	GSK988T	GSK988T	GSK988T	GSK988T
	Length×Width×Height	mm	1780×1380×1550	2120×1520×1650	2600×1700×1600	2000×1550×1600
	Weight	kg	1250	1570	3000	2600

Slant bed CNC lathe (ADseries) ↓

Standard accessory

Fanuc 0i-TF (5) CNC system	Leveling wedge
3-jaw through-hole chuck	Anchor bolt
H8/12 Hydraulic turret	Wrench
Hydraulic tailstock	Foot switch
LED work light	Chip conveyor & trolley
Coolant system	Cabinet air conditioner
Automatic Lubrication system	
Schneider electrical component	
Cabinet shield	

Optional accessory

Syntec CNC system	Oil skimmer
Sinumerik 808D CNC system	Bar feeder
3-jaw non-through-hole chuck	Parts catcher
C-axis	Robot
Auto door	Transformer
Hydraulic spindle brake	Tool setter
High pressure pump	Workpiece probe
Oil mist collector	BMT power turret
Tool setter	VDI power turret



Technical parameter ↓

Item	Unit	AD15B	AD25	AD35	AD45	
Capacities	Bed slant angle	°	45	45	45	
	Swing over bed	mm	Φ440	Φ520	Φ660	Φ850
	Distance between centers	mm	600/850/1100	1000/1500/2000/3000	1000/1500/2000/3000	1500/2000/3000
	Max. turning diameter (shaft/disc workpiece)	mm	Φ220/Φ320	Φ250/Φ420	Φ350/Φ550	Φ450 /Φ800
	Max. turning length	mm	450/700/950	750/1250/1750/2750	750/1250/1750/2750	1250/1750/2750
Max. weight of workpiece	kg	500	800	1000	1000	
Spindle	Spindle nose type	-	A2-6	A2-8	A2-8	A2-11
	Spindle bore	mm	Φ62	Φ87	Φ92	Φ131
	Max. torque of spindle	N·m	128	338	652/313 (Dual speed motor)	1534
	Spindle speed range	r/min	45-4000	35-3500	25-2500	10-2000
	Bore diameter of hollow hydraulic chuck	mm	Φ52	Φ72	Φ81	Φ120
Chuck	inch	8	10/12	12	15	
Turret	Cross section of tool shank	mm	25×25	25×25	25×25	32×32
	Turret type	-	H8 (hydraulic)	H12 (hydraulic)	H12 (hydraulic)	H12 (hydraulic)
Stroke & Feed	Max. boring diameter	mm	Φ40	Φ40	Φ50	Φ60
	X-axis effective stroke	mm	170	220	280	410
	Z-axis effective stroke	mm	450/700/950	750/1250/1750/2750	750/1250/1750/2750	1250/1750/2750
	Rapid traverse speed of X-axis	m/min	24	24	24	20
Rapid traverse speed of Z-axis	m/min	24	24	24	20	
Tailstock	Tailstock type	mm	Hydraulic tailstock	Programmable hydraulic tailstock	Programmable hydraulic tailstock	Programmable hydraulic tailstock
	Tailstock quill diameter	mm	Φ80	Φ85	Φ110	Φ140
	Tailstock quill taper	-	MT 5	MT 5	MT 5	MT 6
	Tailstock quill max. stroke	mm	80	80	100	130
Others	Main motor power	kW	AC11/9	AC18.5/15	AC30/22	AC45/37
	CNC system	-	Fanuc 0i-TF(5)	Fanuc 0i-TF(1)	Fanuc 0i-TF(1)	Fanuc 0i-TF(1)
	Width×Height	mm	1485×1700	1545×1950	1820×2130	2350×2600
	Length	mm	2575/2875/3470	3380/4550/4960/6160	3620/4725/5825/7000	6360/6860/7860
	Net weight	kg	3600/4200/4800	5500/6500/7500/8500	8000/10000/11000/15000	15000/16000/18000

Slant bed CNC lathe (AE series) ↓

Standard accessory

Fanuc 0i-TF (5) CNC system	Leveling wedge
3-jaw through-hole chuck	Anchor bolt
H8 hydraulic turret	Wrench
Manual tailstock	Foot switch
LED work light	Cabinet air conditioner
Coolant system	
Automatic Lubrication system	
Schneider electrical component	
Cabinet shield	

Optional accessory

Syntec CNC system	High pressure pump
Sinumerik 808D CNC system	Oil mist collector
3-jaw non-through-hole chuck	Oil skimmer
C-axis	Bar feeder
H12 hydraulic turret	Parts catcher
Programmable hydraulic tailstock	Robot
Hydraulic tailstock	Tool setter
Auto door	Workpiece probe
Chip conveyor & trolley	Static tool holder



Technical parameter ↓

Item	Specifications	Unit	AE40B	AE45B	AE45B	AE50B
Capacity	Bed slant angle	°	30	30	30	30
	Swing over bed	mm	Φ400	Φ420	Φ420	Φ520
	Max. turning diameter	mm	Φ350	Φ400	Φ400	Φ500
	Max. turning diameter over carriage	mm	Φ210	Φ250	Φ250	Φ260
	Max. length of workpiece	mm	600	700	1000	1000
	Max. turning length	mm	390	500	800	800
Stroke & Feed	X-axis effective stroke	mm	185	210	210	260
	Z-axis effective stroke	mm	390	800	800	800
	Rapid traverse speed of X-axis/Z-axis	m/min	36/36	36/36	36/36	36/36
	Max. feeding speed of X-axis/Z-axis	m/min	5	5	5	5
Spindle	Spindle nose type	-	A2-6	A2-6	A2-6	A2-8
	Spindle bore	mm	Φ66	Φ66	Φ66	Φ86
	Allowable bar diameter through spindle bore	mm	Φ50	Φ55	Φ55	Φ75
	Max. spindle speed	rpm	4000	4000	4000	2500
	Spindle motor power	kW	11	11	11	15
	Hydraulic chuck	inch	8	10	10	12
Accuracy	Repeat positioning accuracy of X-axis/Y-axis/Z-axis	mm	0.003	0.003	0.003	0.003
	Positioning accuracy of X-axis/Y-axis/Z-axis	mm	0.005	0.005	0.005	0.005
Turret	Turret type	-	Hydraulic turret	Hydraulic turret	Hydraulic turret	Hydraulic turret
	No. of switching positions	-	8/12	8/12	8/12	8/12
	Cross section of tool shank	mm	25×25	25×25	25×25	25×25
	Boring bar diameter	mm	Φ32	Φ40	Φ40	Φ40
Tailstock	Tailstock quill diameter	mm	Φ80	Φ80	Φ80	Φ80
	Tailstock quill taper	-	MT5	MT5	MT5	MT5
	Tailstock quill max. stroke	mm	1900/4/9	1900/4/9	1900/4/9	1900/4/9
Others	Electricity capacity	kVA	23	23	23	28
	CNC system	-	Fanuc 0i-TF (5)	Fanuc 0i-TF (5)	Fanuc 0i-TF (5)	Fanuc 0i-TF (5)
	Length×Width×Height	mm	2300×1600×1700	2600×1600×1700	2900×1600×1700	2900×1700×1800
	Weight	kg	3200	4200	4700	5000

Slant bed CNC turning center (AE-YD series) ↓

Standard accessory

Fanuc 0i-TF (5) CNC system
 3-jaw through-hole chuck
 Power head
 H8 hydraulic turret
 LED work light
 Coolant system
 Automatic Lubrication system
 Schneider electrical component
 Cabinet shield

Optional accessory

Syntec CNC system
 Sinumerik 808D CNC system
 Fanuc 0i-TF (1) CNC system
 3-jaw non-through-hole chuck
 C-axis
 12 Hydraulic turret
 Parts catcher
 Robot
 Chip conveyor & trolley

High pressure pump
 Oil mist collector
 Oil skimmer
 Bar feeder
 Static tool holder
 Auto door
 Tool setter
 Workpiece probe



Technical parameter ↓

Item	Unit	AE45YD	AE46YD	AE52YD
Capacity	Bed slant angle	°	30	30
	Swing over bed	mm	Φ450	Φ500
	Max. turning diameter (shaft/disc workpiece)	mm	Φ130/Φ160	Φ140/Φ200
Spindle	Spindle nose type	-	A2-5	A2-6
	Spindle bore	mm	Φ56	Φ62
	Allowable bar diameter through spindle bore	mm	Φ40	Φ50
	Max. spindle speed	r/min	4500	4000
	Collet specification	-	CL42-A5	CL52-A6
Turret	Cross section of tool shank	mm	20×20	20×20
	Turret type	-	Hydraulic turret	Hydraulic Turret
	No. of switching positions	-	8	8
	Boring bar diameter	mm	Φ25	Φ25
Power Head	Power head tool collet Specification	-	ER20 (Axial×4+Radial×4)	ER20 (Axial×4+Radial×4)
	Max. power head speed	r/min	3000	3000
	Max. drilling diameter (Copper and aluminum)	mm	Φ12	Φ12
	Max. tapping diameter (Copper and aluminum)	mm	M12	M12
	Tool diameter	mm	Φ2-Φ13	Φ2-Φ13
Stroke & Feed	X-axis effective stroke	mm	450	450
	Y-axis effective stroke	mm	220	220
	Z-axis effective stroke	mm	350	410
	Rapid traverse speed of X-axis/Z-axis	m/min	X:24/Z:24	X:30/Z:30
	Rapid traverse speed of Y-axis	m/min	15	15
Accuracy	Repeat positioning accuracy of X-axis/Z-axis	mm	0.003	0.003
	Positioning accuracy of X-axis/Z-axis	mm	0.006	0.005
Others	Spindle motor power	kW	7.5	5.5
	Electricity capacity	KVA	13	16
	CNC system	-	GSK988T	GSK988T
	Length×Width×Height	mm	2500×1800×1800	2400×1800×2150
	Net weight	kg	3000	3000

Slant bed CNC turning center (AE-BX/BY series) ↓

Standard accessory

Fanuc 0i-TF (5) CNC system	Leveling wedge
3-jaw through-hole chuck	Anchor bolt
Power head	Wrench
BMT power turret	Foot switch
LED work light	C-axis
Coolant system	Hydraulic tailstock
Automatic Lubrication system	Hydraulic spindle brake
Schneider electrical component	
Cabinet shield	

Optional accessory

Syntec system	Oil mist collector	Power tool holder
Sinumerik 808D CNC system	Oil skimmer	VDI power turret
Fanuc 0i-TF (1) CNC system	Bar feeder	
3-jaw non-through-hole chuck	Parts catcher	
Cabinet air conditioner	Robot	
Programmable hydraulic tailstock	Cabinet air conditioner	
Chip conveyor & trolley	Auto door	
Tool setter	Workpiece probe	
High pressure pump	Static tool holder	



Technical parameter ↓

Item	Specifications	Unit	AE40BX	AE45BX	AE55BX	AE40BY	AE45BY	AE55BY
Capacity	Bed slant angle	°	30	30	30	30	30	30
	Swing over bed	mm	Φ400	Φ420	Φ520	Φ400	Φ420	Φ520
	Max. turning diameter	mm	Φ350	Φ350	Φ350	Φ350	Φ350	Φ350
	Max. turning diameter over carriage	mm	Φ200	Φ200	Φ280	Φ200	Φ200	Φ280
	Max. drilling and milling diameter 90°/0°	mm	Φ220/Φ150	Φ250/Φ200	Φ270/Φ250	Φ220/Φ150	Φ250/Φ200	Φ270/Φ250
	Max. length of workpiece	mm	600	1000	1000	500	850	850
Stroke & Feed	Max. turning length	mm	390	800	800	320	650	650
	X-axis effective stroke	mm	185	215	260	185	215	260
	Y-axis effective stroke	mm	-	-	-	±50	±50	±50
	Z-axis effective stroke	mm	390	650	650	320	650	650
	Rapid traverse speed of X-axis/Z-axis	m/min	36/36	36/36	36/36	36/36	36/36	36/36
	Rapid traverse speed of Y-axis	m/min	-	-	-	12	12	12
Spindle	Max. feeding speed of X-axis/Z-axis	m/min	5	5	5	5	5	5
	Spindle nose type	-	A2-6	A2-6	A2-8	A2-6	A2-6	A2-8
	Spindle bore	mm	Φ66	Φ66	Φ86	Φ66	Φ66	Φ86
	Allowable bar diameter through spindle bore	mm	Φ50	Φ55	Φ75	Φ50	Φ55	Φ75
	Max. spindle speed	rpm	4000	4000	2500	4000	4000	2500
	Spindle motor power	kW	11	11	15	11	11	15
Accuracy	Hydraulic chuck	inch	8	10	12	8	10	12
	Repeat positioning accuracy of X-axis/Y-axis/Z-axis	mm	0.003	0.003	0.003	0.003	0.003	0.003
	Positioning accuracy of X-axis/Y-axis/Z-axis	mm	0.005	0.005	0.005	0.005	0.005	0.005
	Positioning accuracy of C-axis	°	0.001	0.001	0.001	0.001	0.001	0.001
Turret	Turret type	-	Power tooling turret	Power tooling turret	Power tooling turret	Power tooling turret	Power tooling turret	Power tooling turret
	No. of switching positions	-	12	12	12	12	12	12
	Cross section of tool shank	mm	25×25	25×25	25×25	25×25	25×25	25×25
	Boring bar diameter	mm	Φ32	Φ32	Φ32	Φ32	Φ32	Φ32
	Turret motor power	kW	2.7	2.7	2.7	2.7	2.7	2.7
	Max. speed of turret motor	rpm	4000	4000	4000	4000	4000	4000
	Stall torque of turret motor	N·m	12	12	12	12	12	12
Tailstock	Live tool holder type	-	BMT 45/ER25	BMT 55/ER32	BMT 55/ER32	BMT 45/ER25	BMT 55/ER32	BMT 55/ER32
	Tailstock quill diameter	mm	Φ80	Φ80	Φ80	Φ80	Φ80	Φ80
	Tailstock quill taper	-	MT5	MT5	MT5	MT5	MT5	MT5
Others	Tailstock quill max. stroke	mm	100	100	100	100	100	100
	Electricity capacity	kVA	30	30	35	30	30	35
	CNC system	-	Fanuc 0i-TF (5)	Fanuc 0i-TF (5)	Fanuc 0i-TF (5)	Fanuc 0i-TF (5)	Fanuc 0i-TF (5)	Fanuc 0i-TF (5)
	Length×Width×Height	mm	2300×1600×1700	2600×1600×1700	2900×1700×1800	2430×1730×2100	3000×1730×2000	3000×1850×2100
Weight	kg	3300	4300	5100	3700	5200	5500	

Vertical CNC lathe

Standard accessory

Hydraulic chuck	Wrench
Hydraulic turret	Foot switch
Cabinet shield	Chip conveyor & trolley
Chip conveyor	
LED work light	
Coolant pump	
Schneider electrical component	
Leveling wedge	
Anchor bolt	

Optional accessory

Power Turret	High pressure pump
Double cutting tools	Oil mist collector
Power tool holder	Oil skimmer
Static tool holder	Robot
Tailstock	Tool setter
Hydraulic chuck and rotary cylinder	Dual speed gearbox for the spindle motor
Auto door	Workpiece counter
Workpiece probe	Spindle indexing encoder
Hydraulic spindle brake	High pressure coolant through turret



Technical parameter

Item	Unit	VTL500	VTL700	VTL900	VTL1250	
Capacity	Max. swing diameter	mm	Φ500	Φ770	Φ970	Φ1300
	Max. turning diameter	mm	Φ500	Φ700	Φ900	Φ1250
	Max. swing diameter over carriage	mm	Φ500	Φ400	Φ600	Φ800
	Max. height of workpiece	mm	700	700	700	800
	Max. weight of workpiece	kg	500	500	600	1500
	Rated power of main motor	kW	11	11	15	15
Spindle	Spindle speed range	r/min	50-1200	50-1200	50-800	20-300
	Speed ratio of reducer	-	1:4	1:4	1:4	1:4
	Synchronous belt reduction ratio	-	1:2.5	1:2.5	1:2.5	1:2.5
	Spindle nose type	-	A2-6	A2-8	A2-11	A2-11
Feed	Max. stroke of X-axis	mm	300	570	630	810
	Max. stroke of Z-axis	mm	500	750	750	850
	X-axis roller linear rail width	mm	35	45	45	55
	Z-axis roller linear rail width	mm	45	55	55	55
	Feeding speed of X-axis/Z-axis	mm/min	0.05-4000	0.05-4000	0.05-4000	0.05-4000
	Rapid traverse speed of X-axis/Z-axis	m/min	15	15	15	15
	Feeding motor torque of X-axis/Z-axis	N·m	11	11	20	27
Turret	Cross section of tool shank	mm	25×25	25×25	32×32	32×32
	Turret type	-	H8	H8	H8	H8
	Boring bar diameter	mm	Φ32	Φ32	Φ40	Φ40
Precision	Repeat positioning accuracy of X-axis/Z-axis	mm	0.01	0.01	0.01	0.01
	Positioning accuracy of X-axis/Z-axis	mm	0.02	0.02	0.02	0.02
Others	CNC system	-	Fanuc 0i-TF (5)	Fanuc 0i-TF (5)	Fanuc 0i-TF (5)	Fanuc 0i-TF (5)
	Length×Width×Height	mm	1205×1200×2430	1500×1360×2726	1550×1760×3067	1650×1860×3070
	Net weight	kg	5000	6600	8600	9600

High precision vertical CNC lathe

Standard accessory

Hydraulic chuck
Hydraulic turret
Cabinet shield
Chip conveyor
LED work light
Coolant pump
Schneider electrical component
Leveling wedge
Anchor bolt

Wrench
Foot switch
Chip conveyor & trolley
H8 hydraulic turret

Optional accessory

Power Turret
Double cutting tools
Power tool holder
Static tool holder
Tailstock
Hydraulic chuck and rotary cylinder
Auto door
Workpiece probe
Hydraulic spindle brake
High pressure pump
Oil mist collector
Oil skimmer
Robot
Tool setter
Dual speed gearbox for the spindle motor
Counter display for each insert
Chuck position sensor
High pressure coolant through turret



Technical parameter

Item	Unit	VLA450	VLA550	VLA650	VLA850	
Capacities	Max. swing diameter	mm	Φ600	Φ760	Φ840	Φ950
	Max. turning diameter	mm	Φ450	Φ550	Φ650	Φ850
Spindle	Spindle nose	-	A2-8	A2-8	A2-11	A2-11
	Spindle bore	mm	Φ72	Φ86	Φ86	Φ100
	Spindle speed	r/min	2500	2000	1500	1200
	Inner diameter of spindle front bearing	mm	Φ120	Φ130	Φ160	Φ180
	Chuck diameter	mm/inch	Φ304/12	Φ381/15	Φ450/18	Φ610/24
	Spindle end radial runout	mm	0.003	0.003	0.003	0.004
Turret	Cross section of tool shank	mm	25×25	25×25	25×25	32×32
	Boring bar diameter	mm	Φ40	Φ50	Φ50	Φ50
	Turret type	-	H8	H8	H8	H8
	Tool disc swing	mm	400	450	480	520
Stroke	Stroke of X-axis	mm	270	350	380	880
	Stroke of Z-axis	mm	600	700	850	950
Servo motor	Spindle servo motor power	kW	15	18.5	18.5	18.5
	Main motor max. torque	N.m	180	240	240	275
	Spindle max. torque	N·m	450	600	720	825
	Servo motor power of X-axis	kW	2.5	3	3	3
	Servo motor torque of X-axis	N·m	Stall torque 20/Max. torque 45	Stall torque 27/Max. torque 68	Stall torque 27/Max. torque 68	Stall torque 30/Max. torque 83
	Servo motor power of Z-axis	kW	3	3	3	3
Rapid traverse	Rapid traverse speed of X-axis	m/min	16	15	15	12
	Rapid traverse speed of Z-axis	m/min	16	15	15	12
Accuracy	Repeat positioning accuracy of X-axis/Z-axis	mm	0.004	0.004	0.004	0.004
	Positioning accuracy of X-axis/Z-axis	mm	0.008	0.008	0.008	0.008
Hydraulic station	Hydraulic station volume	L	80	80	80	80
	Motor power	kW	2.2	3	3.75	3.75
	Flow rate	L/min	30	30	40	40
Others	CNC system	-	FANUC 0i-TF (5)	FANUC 0i-TF (5)	FANUC 0i-TF (5)	FANUC 0i-TF (5)
	Length×Width×Height	mm	1680×3320×2700	1850×3500×2700	1900×3620×2900	2500×3760×3300
	Net weight	kg	6000	8000	8600	11000

Slant bed CNC piston lathe

Standard accessory

Fanuc 0i-TF (5) CNC system
 3-jaw manual chuck
 Standard piston turret
 Manual tailstock
 LED work light
 Coolant system
 Automatic Lubrication system
 Schneider electrical component
 Cabinet shield

Leveling wedge
 Anchor bolt
 Wrench
 Linear motor

Optional accessory

Syntec CNC system
 Sinumerik 808D CNC system
 Auto door
 Piston fixture
 Piston tools
 Cabinet air conditioner
 Chip conveyor
 Chip trolley
 High pressure pump

Oil mist collector
 Oil skimmer
 Robot
 Transformer
 Tool setter
 Optical linear encoder



Technical parameter

Item		Unit	HPL12	HPL20
Capacities	Max. piston diameter	mm	Φ50-Φ120	Φ60-Φ200
	Max. piston ovality amount	mm	2.2	2.2
	Max. amount of piston curved line	mm	2.4	2.4
Spindle	Spindle type	-	Mechanical spindle unit	Mechanical spindle unit
	Spindle speed	r/min	100-3000	100-3000
	Max. toolpost tracking spindle speed	r/min	400-1500	400-1500
	Spindle taper	-	MT5	MT6
	Spindle runout	mm	0.003	0.003
Linear motor	Linear motor type	-	Voice coil motor	Voice coil motor
	Linear motor stroke	mm	2.2	2.2
Feed	Max. transverse stroke	mm	210	230
	Max. longitudinal stroke	mm	310	600
	Servo motor power of X-axis	N·m	8	10
	Servo motor power of Z-axis	N·m	8	10
Tailstock	Tailstock quill diameter	mm	52	70
	Tailstock quill taper	mm	MT4	MT5
	Tailstock quill max. stroke	mm	110	100
Accuracy	Curved line and ovality machining accuracy (for one time ovality)	mm	±0.003	±0.003
Others	CNC system	-	Fanuc 0i-TF (5)	Fanuc 0i-TF (5)
	Main Motor Power	kW	5.5	7.5
	Coolant tank volume	L	70	80
	Length×Width×Height	mm	2450×1750×1650	2670×2080×1835
	Net weight	kg	2800	4000

Vertical machine center

Standard accessory

Fanuc 0i-MF (5) CNC system
16/24 ATC
Movable Manual Pulse Generator
LED work light
Coolant system
Automatic Lubrication system
Schneider electrical component
Cabinet shield
Leveling wedge

Anchor bolt

Wrench

Chip conveyor & trolley

Optional accessory

GSK CNC system
Siemens CNC system
Mitsubishi CNC system
Spindle speed upgrade
Coolant-through spindle bore
Cabinet air conditioner
High pressure pump
Oil mist collector
Oil skimmer

Parts catcher

Robot

Transformer

Tool setter

Workpiece probe

4-axis

32 ATC



Technical parameter

Specification		Unit	V3M655	V3M855	V3M1055	V3M1377	V3M1587	V3M1696	V3M1896	V3M2087H
Capacity	Worktable dimension	mm×mm	500×800	500×1000	550×1000	700×1400	800×1600	900×1800	900×2000	820×2200
	Max. load capacity	kg	400	500	600	1200	1400	1600	1600	1400
	T slot	-	4-14×84	5-18×90	5-18×90	5-18×110	5-18×110	5-22×165	5-22×165	5-18×120
	Distance between spindle center to Z-axis guideway surface	-	550	570	595	750	855	950	950	850
	Distance between spindle nose to worktable	mm	120-620	120-620	120-670	75-775	150-850	160-840	160-840	200-900
Guideway type of X-axis/Y-axis/Z-axis		Linear/Linear/Linear	Linear/Linear/Linear	Linear/Linear/Linear	Linear/Linear/Linear	Linear/Linear/Linear	Quenched/Quenched/Quenched	Quenched/Quenched/Quenched	Quenched/Quenched/Quenched	Quenched/Quenched/Quenched
Spindle	Spindle nose type	-	BT 40	BT 40	BT 40	BT 50	BT 50	BT 50	BT 50	BT 50
	Max. spindle speed	rpm	8000/12000	8000/12000	8000/12000	8000	6000	6000	6000	6000
	Spindle transmission	-	synchronous belt / direct drive	synchronous belt / direct drive	synchronous belt / direct drive	synchronous belt / direct drive	synchronous belt / direct drive	synchronous belt / direct drive	synchronous belt / direct drive	synchronous belt / direct drive
	Spindle motor power	kW	5.5	7.5	7.5	15-18.5	15-18.5	15-18.5	15-18.5	15-18.5
	Spindle torque	N·m	23.5	35	35	64	64	64	64	64
Feed	X-axis stroke	mm	600	800	1000	1300	1500	1600	1800	2000
	Y-axis stroke	mm	500	500	550	700	800	900	900	800
	Z-axis stroke	mm	500	500	550	700	700	680	680	700
	Rapid traverse speed of X-axis/Y-axis/Z-axis	m/min	48/48/48	48/48/48	48/48/48	32/32/32	30/30/30	24/24/15	24/24/15	24/24/15
	Max. feeding speed of X-axis/Y-axis/Z-axis	m/min	1-10	1-10	1-10	1-10000	1-10000	1-10000	1-8000	1-8000
ATC	ATC type	-	Vertical disc type	Vertical disc type	Vertical disc type	Vertical disc type	Vertical disc type	Vertical disc type	Vertical disc type	Vertical disc type
	No. of switching positions	pcs	16	24	24	24	24	24	24	24
	Max. tool diameter with/without tool in adjacent tool position	-	80/150	80/150	80/150	110/200	110/200	110/200	110/200	110/200
	Max. tool weight	kg	8	8	8	18	18	18	18	18
	Max. tool length	mm	300	300	300	300	300	300	300	300
	Tool indexing time (excluding tool releasing and locking time)	sec.	1.3-2.2	1.3-2.2	1.3-2.2	2.91	2.91	2.91	2.91	2.91
Precision	Repeat positioning accuracy	mm	0.003/300	0.003/300	0.003/300	±0.003	±0.003	±0.005	±0.005	±0.01
	Positioning accuracy	mm	0.005/300	0.005/300	0.005/300	±0.005	±0.005	±0.008	±0.008	±0.008
Others	Electricity capacity	kAV	20	20	25	30	30	30	30	30
	Required air pressure	Kgf/cm ²	6	6	6	-	-	-	-	-
	Long× Width × Height	mm	1650×1390×1950	2600×2340×2600	2800×2340×2600	3200*2540*2600	3900*2740*3650	4450*3395*2105	5500*3395*2345	5420*2800*2810
	Net weight	kg	4300	5300	5600	10000	13500	14500	15500	10700
	CNC system	-	Fanuc 0i-MF (5)	Fanuc 0i-MF (5)	Fanuc 0i-MF (5)	Fanuc 0i-MF (5)	Fanuc 0i-MF (5)	Fanuc 0i-MF (5)	Fanuc 0i-MF (5)	Fanuc 0i-MF (5)

5-axis Vertical machine center

Standard accessory

Sinumerik ONE CNC system	Anchor bolt
24 ATC	Wrench
Movable Manual Pulse Generator	Chip conveyor & trolley
LED work light	
Coolant system	
Automatic Lubrication system	
Schneider electrical component	
Cabinet shield	
Leveling wedge	

Optional accessory

Syntec CNC system	Tool setter
Spindle speed upgrade	Workpiece probe
Coolant-through spindle bore	32 ATC
Cabinet air conditioner	
High pressure pump	
Oil mist collector	
Oil skimmer	
Robot	
Transformer	



Technical parameter

Specification	Unit	V5M1345	V5M2042	V5M2542	V5M3256	
Capacity	Worktable diameter	mm	Φ130	Φ200	Φ255	Φ320
	Max. load capacity	kg	20	80	120	200
	T slot	-	-	12×4	12×4	12×6
	Distance between spindle center to Z-axis guideway surface	-	550	570	650	855
	Distance between spindle nose to worktable	mm	0-450	0-420	0-420	0-560
Spindle	Guideway type of X-axis/Y-axis/Z-axis	-	Linear/Linear/Linear	Linear/Linear/Linear	Linear/Linear/Linear	Linear/Linear/Linear
	Spindle nose type	-	BT40	BT40	BT40	BT50
	Max. spindle speed	rpm	8000/12000	8000/12000	8000/10000	7000
	Spindle transmission	-	synchronous belt / direct drive	synchronous belt / direct drive	synchronous belt / direct drive	synchronous belt / direct drive
	Spindle motor power	kW	5.5	7.5	11	15
Feed	Spindle torque	N·m	31	32	47	64
	B-axis stroke	°	±120	±100	±120	±120
	C-axis stroke	°	360	360	360	360
	X-axis stroke	mm	600	800	1100	1300
	Y-axis stroke	mm	400	500	600	800
	Z-axis stroke	mm	450	420	420	560
	Rapid traverse speed of X-axis/Y-axis/Z-axis	m/min	36/36/36	36/36/36	36/36/36	30/30/30
	Max. feeding speed of B-axis	rpm	50	60	60	50
	Max. feeding speed of C-axis	rpm	75	60	60	50
	Max. feeding speed of X-axis/Y-axis/Z-axis	m/min	10	10	10	10
ATC	ATC type	-	Vertical disc type	Vertical disc type	Vertical disc type	Vertical disc type
	No. of switching positions	pcs	24	24	24	24
	Max. tool diameter with/without tool in adjacent tool position	-	80/150	80/150	80/150	110/200
	Max. tool weight	kg	8	8	8	15
Precision	Max. tool length	mm	300	300	300	350
	Repeat positioning accuracy of B-axis/C-axis	°	0.002	0.002	0.002	0.002
	Positioning accuracy of B-axis/C-axis	°	0.003	0.003	0.003	0.003
	Repeat positioning accuracy of X-axis/Y-axis/Z-axis	mm	0.003	0.003	0.003	0.005
Others	Positioning accuracy of X-axis/Y-axis/Z-axis	mm	0.005	0.005	0.005	0.008
	Electricity capacity	kVA	26	31	35	45
	Width × Height × Height	mm	1650×1390×1950	2600×2340×2600	3100×3150×3280	3600×2740×3610
CNC system	Net weight	kg	4050	5500	7400	13500
	Quantity of simultaneous axis	pcs	5	5	5	5
	Typical function	-	RTCP	RTCP	RTCP	RTCP
	CNC system	-	Sinumerik ONE	Sinumerik ONE	Sinumerik ONE	Sinumerik ONE

■ Fire sprinkler production line ↓

Nowadays, almost all buildings are equipped with fire sprinkler system. There are huge demand of fire sprinklers in the world very year. Fire sprinkler production line is developed under such circumstances by Anyang Xinheng Machine Tool Co., Ltd, and this production line is widely applied in fire sprinkler filed.

The whole processes, including brass rod cutting, heating, hot forging, trimming, shot blasting, machining, deflector assembling, glass bulb seat machining, O ring assembling, final assembling and pressure testing, are fully automatic with very few labor cost.



■ Product range ↓

All ordinary fire sprinklers, such as pendent, uprights, sidewalls, and concealed sprinklers, can be produced by our production line.

The productivity can be customized according to customer's actual requirement.



■ Key equipment introduction ↓



Automatic CNC lathe for fire sprinkler



Glass Bulb Seat Lathe



Glass Bulb Assembling Maching



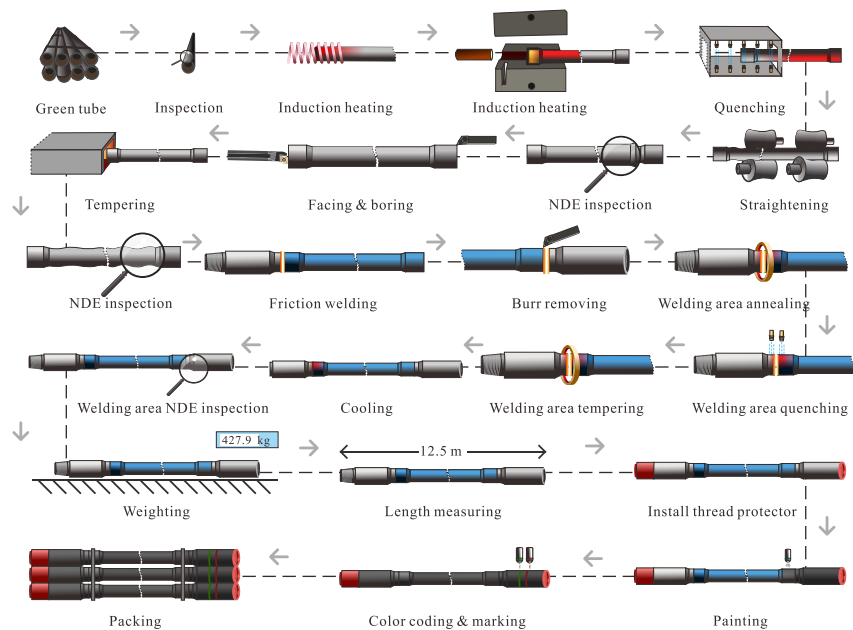
Pressure Tester for Fires Sprinkler



Please scan the code to check the production line video

■ Drill pipe production Line ↓

The production line for the processing and production of oil drilling pipe, drill collar, oil casting, and sucker rod, mainly divided into three steps, using the upsetting machine, heat treatment machines, pipe threading lathes and some other machines. The production line is fully automatic. It can produce high quality and strong rigidity drill pipe in short time.



■ Product range ↓

Drill pipe diameter range: from 60.3 mm to 168.3 mm (from 2³/₈" to 6⁵/₈")

Steel grade: E75, X95, G105 and S135

Upsetting forms: EU, IU and IEU.



■ Key equipment introduction ↓



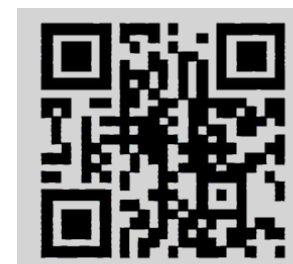
Hydraulic upsetting press



Oil country lathe



Hydraulic friction welding machine



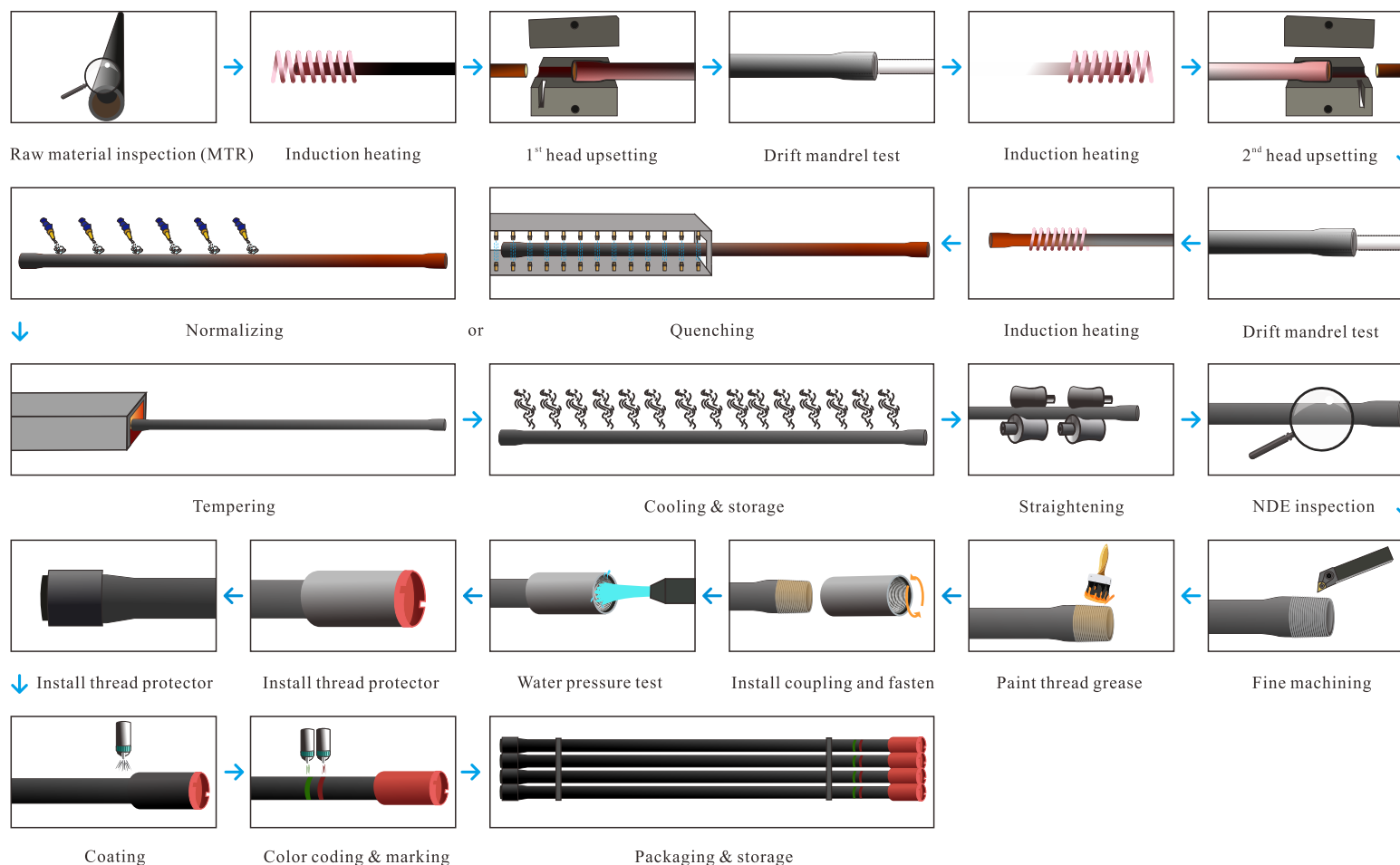
Welding area heat treatment line



Please scan the code to check the production line video

■ API 5CT Tubing Production Line ↓

API 5CT external-upset tubing production line is composed by induction heating furnace, automatic feeding and discharging device, hydraulic upsetting press, drift mandrel testing machine, tubing heat treatment line, hydraulic straightening machine, oil country lathe, hydrostatic testing machine, pipe coupling fitting machine, coating machine, color coding machine, etc.



Product range ↓

Labels	Outside diameter D mm	Nominal linear mass threaded and coupled kg/m	Upset				
			Outside diameter D ₄ mm +1.59 0	Length from end of pipe to start of taper L _{cu} mm +0 -25.4	Length from end of pipe to end of taper L _a mm	Length from end of pipe to start of pipe body L _b mm max.	
1	2						
2	2	3	4	5	6	7	8
1.05	1.2	26.67	1.79	33.4	60.32	—	—
1.05	1.54	26.67	2.29	33.4	60.32	—	—
1.315	1.8	33.4	2.68	37.31	63.5	—	—
1.315	2.24	33.4	3.33	37.31	63.5	—	—
1.66	2.4	42.16	3.57	46.02	66.68	—	—
1.66	3.07	42.16	4.57	46.02	66.68	—	—
1.9	2.9	48.26	4.32	53.19	68.26	—	—
1.9	3.73	48.26	5.55	53.19	68.26	—	—
2-3/8	4.7	60.32	6.99	65.89	101.6	152.4	254
2-3/8	5.95	60.32	8.85	65.89	101.6	152.4	254
2-3/8	7.45	60.32	11.09	65.89	101.6	152.4	254
2-7/8	6.5	73.02	9.67	78.59	107.95	158.75	260.35
2-7/8	7.9	73.02	11.76	78.59	107.95	158.75	260.35
2-7/8	8.7	73.02	12.95	78.59	107.95	158.75	260.35
2-7/8	9.45	73.02	14.06	78.59	107.95	158.75	260.35
3-1/2	9.3	88.9	13.84	95.25	114.3	165.1	266.7
3-1/2	12.95	88.9	19.27	95.25	114.3	165.1	266.7
4	11	101.6	16.37	107.95	114.3	165.1	266.7
4-1/2	12.75	114.3	18.97	120.65	120.65	171.45	273.05

Key equipment introduction ↓



Hydraulic upsetting press



Key equipment introduction ↓



Drift mandrel testing machine



Oil country lathe



Hydrostatic testing machine



Please scan the code to check the production line video

■ Piston Production Line ↓

Automated material sorting and material loading/unloading on the entire production line result in dramatic reduction of labor requirement. With online inspection and instant automatic compensation of machining dimensions, higher machining yield rate can be achieved. Exclusive twin machining position design allows simultaneous material loading/unloading on one position during machine on the other side. material loading/unloading time can be saved quick tool and fixture change system design reduces time of shifting one model to a completely different one

■ Product range ↓



Key equipment introduction ↓

Casting and Heat treatment



Melt



Degassing



Deslagging



Inspection



Casting



Casting riser cutting



Salt core rinse



Heat treatment

Machining process



Rough turning O.D +
Finish turning



Rough pin bore + Circle
groove + Finish turning
chamfer + Finish pin bore



Pin hole polishing



oil hole drilling



Register turning and
center hole drilling



Oval turning



Drilling drain hole on
the pin boss



Riser removing &
Deburring

Surface treatment and inspection



Surface treatment



Coating



Inspection + mark



Package

■ Lathe optional ↓

» System



Siemens



Fanuc



GSK



KND

» Headstock



NSK bearing



SKF bearing

» Chuck



3-jaw chuck



4-jaw chuck



Independent chuck



Self centering chuck



Composite chuck



Hydraulic chuck



Pneumatic chuck



Protective cover of chuck

» **Guideway**



Linear guideway



Double bed saddle

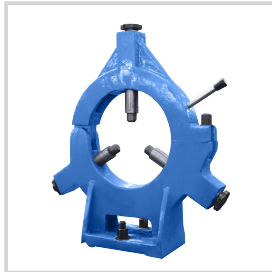


Saddle

» **Turret**



Follow rest



Steady rest



Vertical 4-position turret



Vertical 6-position turret



Horizontal 6-position turret



Horizontal 8-position turret



Horizontal 12-position turret



Protective cover of turret



Taper attachment



Grinding head



Milling head



boring tool holder

Lathe optional ↓

» Tailstock



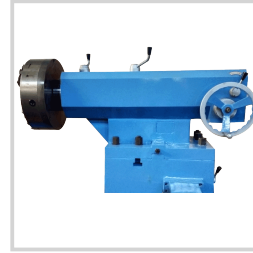
Electric tailstock



Pneumatic tailstock



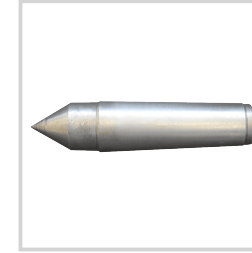
Hydraulic tailstock



Rotatory tailstock



Chuck tailstock



Center



Manual pulse generator

» Others



Chip conveyor



Electric cabinet air conditioner



Automatic pipe loading and unloading device



Digital display



Fully-enclosed cabinet shield



Semi-enclosed cabine shield cover



Safety door switch



Foot pedal



Servo bar feeder



Workpiece probe



Tool setter



V24.7



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Some parameters may be changed without notification due to continuous technology improvement.