



LATHE SPECIALIST

PRECISION, INVENTION,
AUTOMATION & REALIZATION

TURNING
FOR
THE WORLD

www.lathemachinetool.com

2018

安阳鑫恒机床有限公司
ANYANG XINHENG MACHINE TOOL CO., LTD.
地址：安阳高新区平原路南段路西先进装备制造业
示范园内
Add: Industry park, Pingyuan road, Hi-tech
zone Anyang, Henan, China
电话 (Tel) : 86-372 3700288
传真 (Fax) : 86-372 3700288
E-mail: info@ayxhmt.com



ANYANG
XINHENG
MACHINE TOOL CO., LTD.



Some parameters maybe changed due to continuous technology development without notification.



TABLE OF CONTENT

ANYANG XINHENG MACHINE TOOL CO., LTD.

TURNING FOR THE WORLD

PRECISION, INVENTION,
AUTOMATION & REALIZATION

PAGE 01		Company Profile
PAGE 03		Oil Country Lathe
PAGE 04		Spherical Lathe
PAGE 05		CNC Lathe
PAGE 06		CNC Heavy Duty Lathe
PAGE 07		Manual Lathe
PAGE 08		Manual Heavy Duty Lathe
PAGE 09		Mini CNC Lathe
PAGE 10		Sprinkler Lathe
PAGE 11		Valve CNC Lathe
PAGE 13		Brass Valve Production Line
PAGE 15		Drill Pipe & Drill Collar Production Line
PAGE 17		Production Line For Sleeve & Disk Workpiece
PAGE 19		Note

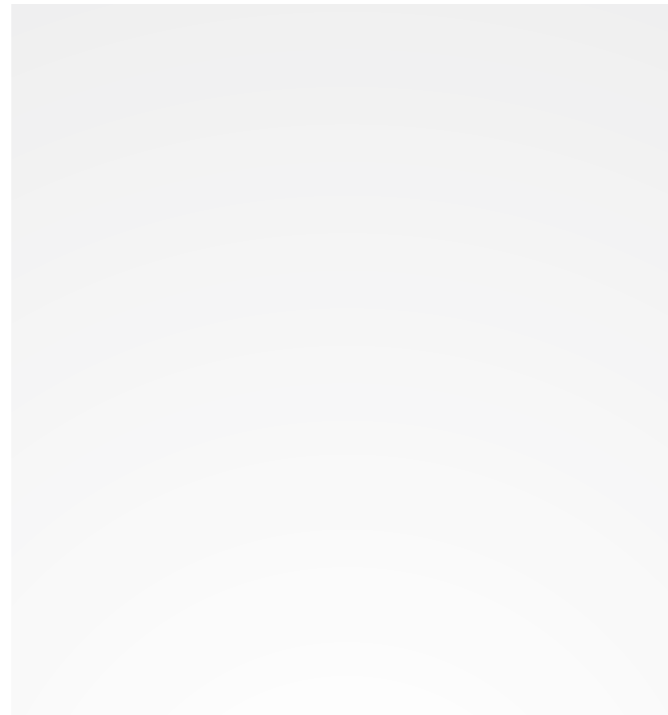


COMPANY PROFILE

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 ISO9001:2000 international quality control system certification. Our products are exported overseas and are very popular both at home and abroad. We specialize in precision machining, covering oil country lathe, spherical turning lathe, CNC lathe, conventional lathe, heavy duty lathe, automatic production line, etc. We supply the lathe machine with high quality and competitive price.

We can provide global quality warranty services, and we also provide excellent service and low-price accessories during the whole working life for our lathe. 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 sale 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 customer' s 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.



Oil country lathe ↓

The QK series oil country lathe, is also known as CNC pipe threading lathe. It is ideal lathe for turning some large workpiece in oil field industries. It is mainly used for machining various kinds of complex shafts, drill pipes, drill collar, sucker rod and oil pipe, such as the inner and outer cylinder, conical surface, circular arc surface, end face, chamfer, threads, etc. The pipe threading lathe also can be used as a common lathe.



Technical Parameter ↓

ITEM	UNIT	QK1212	QK1219	QKP1219	QKP1223	QKA1226/35	QKA1246		
CAPACITIES	External Dia. of pipes	mm	120	190	190	230	260/340	460	
	Swing over bed	mm	800		800	1000/1100		1250	
	Swing over carriage	mm	450		480	630/730		900	
	Max.length of workpiece	mm	750-3000		1000~6000		1500~5000	2800	
	Max.length of turning	mm	550-2800		800-5800		1300~4800	2600	
	Span of guideway	mm	550		600	755		1100	
SPINDLE	Spindle nose		C15		A2-15	A2-20		A2-28	
	Taper hole of spindle		metric 140	metric 213	metric 213	1:20	1:20	metric 140	
	Spindle bore	mm	130	200	200	240	275/355		465
	Top taper of spindle		Morse 6						
	Range of spindle speed	r/min	20~1000	20~600	20~600		400/320	2~200	
FEED	Chuck	mm	3-JAW 400		3-JAW 500/4-JAW 630		630/800	1000	
	Min. feed of X/Z-axis	mm	0.001/0.001						
	Rapid of X/Z-axis	m/min	3/6		4/5				
TOOL POST & TAILSTOCK	Max. travel of X	mm	390		420	570/540		850	
	Turret type		V4 240		V4 300		V4 380		
	Section of tool shank	mm	40X40						50x50
	Indexing repeatability	mm	0.008						
	Max.cutting force	N	19600				29400	39200	
	Dia. /of tailstock	mm	100/250				160/300	260/300	
	Taper hole of tailstock		Morse5			Morse6		metric80	
OTHERS	Main power	kw	22	30	15		18.5	28	
	Accuracy		IT6~IT7						
	Roughness		RA1.6						
	Length	mm	2912~5177		3605~8485		4800-8300	6300	
	Width	mm	1800		2219/2330		2520	2720	
	Hight	mm	1850		1830/2100		2120	2320	
	CNC system		Fanuc/Siemens/Gsk						

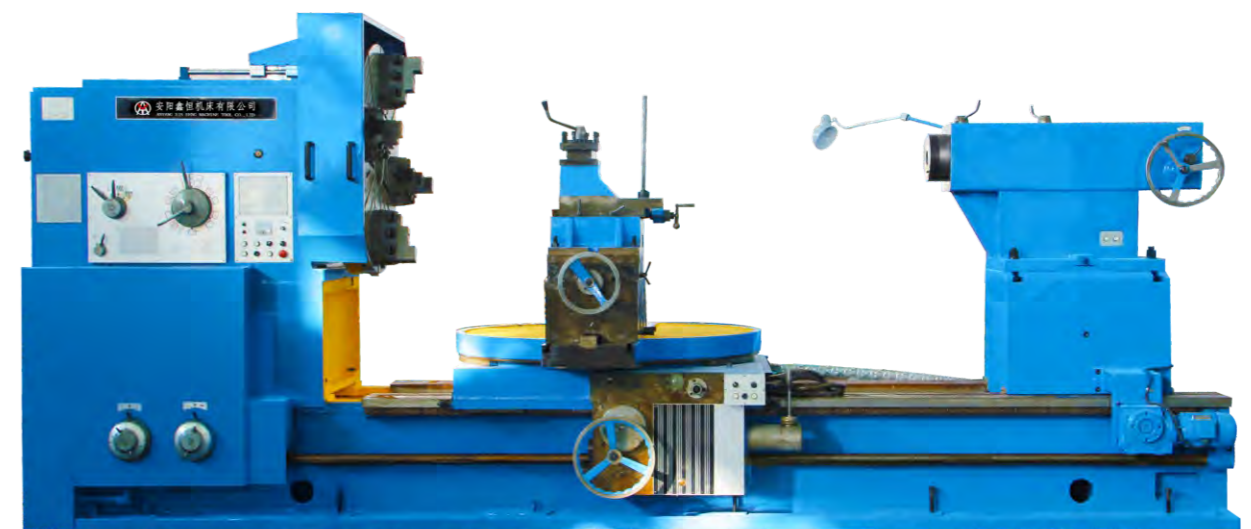
Spherical lathe ↓

The spherical lathe is mainly used for turning the spherical surface and the cover of ball valve. The process range of spherical diameter is 550mm - 1800mm, It can realize grinding and other processing work. The bed adopts rectangular guide rail with good stability and good rigidity.

Spherical turning lathe, also called ball turning lathe, external ball surface turning lathe or globe lathe machine, is mainly used for spherical outside surface, inner surface and the ball on shafts machining. Our company developed the spherical lathe according to the market demand, mainly used for the outer ball of the ball rough machining, fine grinding. It also can be used as a common lathe, such as turning cylindrical, bore, end and so on.

Technical Parameter ↓

	ITEM	UNIT	C6555	C6595	C65160	C65180
CAPACITY	Max. Dia. of spherical	mm	550	900	1600	1800
	Min. Dia. of spherical	mm	50	260	1000	1200
SPINDLE	Dia. of spindle hole	mm	100	130	100	100
	Taper of hole of spindle	mm	120	140	140	140
	No. of spindle speeds		18	21(12)	21(12)	21
	Range of spindle speeds	r/min	6~800	3.15~315	3.15~315	3.15~315
	Spindle reverse speeds	r/min	11~838	3.5~291	3.5~291	3.5~291
TOOL POST	Swivel angle of toolpost	°	±90	±90	±55	±55
OTHERS	Main power	kw	11	22	30	30
	Weight	t	4.4	12	25.4	27.4
	Length	mm	3725	4700	6120	6220
	Width	mm	1280	2500	2620	2720
	Height	mm	1690	2000	2520	2620



CNC lathe ↓

This series are economical and practical CNC lathe, which with mature structure, stable, high-quality, easy programming, simple operation. This series can be used for not only process various shapes of complex shaft, sleeve, disk parts of the internal and external surfaces, conical surface, circular surface, but also widely used for various industries such as automotive, petroleum, military and other mechanical processing.



Technical Parameter ↓

ITEM		UNIT	CK6142/52	CK6163/80/94	CKB6180/100	CK61100/125/160
CAPACITIES	Swing over bed	mm	420/520	630/800/940	800/1000	1000~1640
	Swing over carriage	mm	230/300	340/510/650	480/680	630/880/1250
	Max.length of workpiece	mm	500~3000	750~6000	1000~6000	1500~6000
	Max.turning length	mm	350~2830	600~5850	850~5850	1230/2730/4730
	Pan of guideway	mm	350/400	550	600	755
SPINDLE	Spindle nose		A2-6/A2-8	C11	C11/C15(Optional)	A2-15
	Spindle bore	mm	66/52/80	100	100/140(Optional)	130
	Range of spindle speeds	r/min	0~2000	=1000	6~8000	3.15~315
	Chuck	mm	200/250	325	400	4-jaw 1000
	FEED	Rapid speeds	mm/min	4000/5000	3000/6000	4000/5000
Max.travel of X		mm	220/280	390/475	420	520/580/630
TOOL POST & TAILSTOCK	Turret working position		V4(V6/H6/H8/V8 Optional)			
	Section of tool shank	mm	25X25	32X32	40X40	40X40
	Taperhole of tailstock	mm	MT4/Morse5/Morse6			
OTHERS	Main power	kw	7.5	11	15	22
	Lathe mass	kg	1800~4200	5100~10400	4800~8250	9000/11000/13000
	Length	mm	2300~5040	3200~8580	3605~8485	4500/6000/8000
	Width	mm	1500	1800	2219	2435
	Height	mm	1500~1800	1800~2010	1830~2010	2300~2600
	CNC System		Fanuc/Siemens/Gsk			

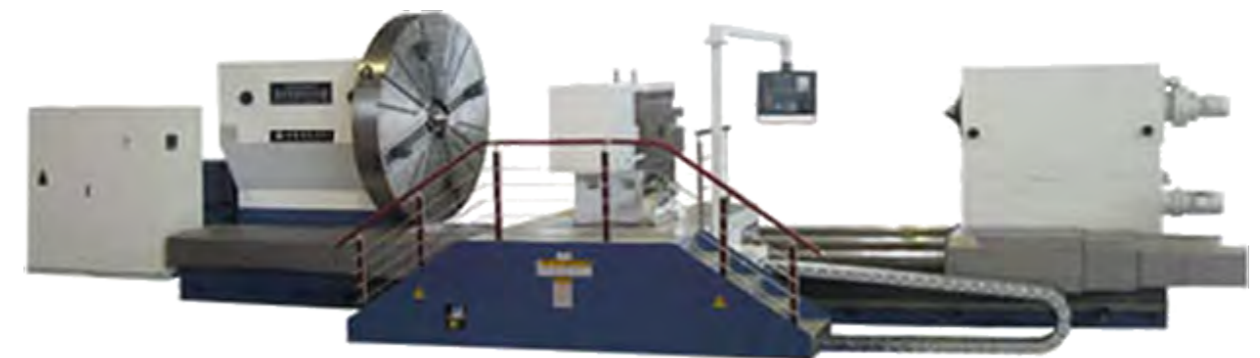
CNC Heavy Duty Lathe ↓

The series lathe are heavy duty CNC lathe with a capacity of 16, 32 and 63 tons. It is suitable for high speed steel and carbide cutting parts. It is suitable for turning, cylindrical and disc parts of different materials for turning, facing, grooving and cutting, processing conical surface, inner and outer surface of cone and various threads.

For processing differences steps with different workpiece, you can choice reasonable cutting speed.

Technical Parameter ↓

ITEM		UNIT	CKH61125/61160/61200/61250(16t/32t/63t)	
CAPACITIES	Swing over bed	mm	1250/1600/2000	1600/2000/2500
	Swing over carriage	mm	900/1250/1600	1250/1600/2200
	Max.length of workpiece	mm	3000~12000	4000~20000
	Max.turning length	mm	2800~11800	3800~18000
	Pan of guideway	mm	1100	1600/2090
SPINDLE	Spindle bore	mm	100	/
	Range of spindle speeds	r/min	CKH:3~320	stepless
	Chuck	mm	1250/1400/1600	1600/1800
FEED	Max.travel	mm	850	725/1000
TOOL POST & TAILSTOCK	Turret working position		V4	V4
	Section of tool shank	mm	50x50	70x70
	Dia./Travel of tailstock quill	mm	260/300	300/300
	Taperhole of tailstock	mm	Metric 80	100/1:7
OTHERS	Main power	kw	30	75/144
	Lathe mass	kg	1500~34800	48000~118000
	Length	mm	6400-15400	15500-18500
	Width/Height	mm	3200/2220 ~ 2950	3500/2280~3250
	CNC System		Fanuc/Siemens/Gsk	



Manual Lathe ↓

CW series lathes are manual horizontal lathes, which are not only suitable for turning inside and outside of the cylindrical surface, conical surface and other rotating parts, but also can be used in a variety of common metric, inch, modulus and thread diameter etc. The characteristics of the machine are: mature, stable performance, high quality, easy programming and simple operation, which is suitable for all kinds of complex shape of the shaft.



Technical Parameter ↓

CAPACITIES	Swing over bed	mm	630/800/940	800/1000	1000/1250/1400/1640
	Swing over carriage	mm	350/520/660	480/680	615/865/1015/1250
	Max.length of workpiece	mm	750~10000	1500~6000	1500~12000
	Max.turning length	mm	600~9850	1350~5850	1300~11800
	Pan of guideway	mm	550	600	755
SPINDLE	Spindle nose		C11/C15		A2-15(8XM22)
	Spindle bore	mm	100/130/140		
	Taper hole of spindle		1:20/120/140		
	Range of spindle speeds	r/min	6~1000	6~775	3.15~315
	No.of spindle speeds		18/6		21
FEED	No. and range of metric thread		50;1~240		44;1~120mm
	No. and range of inch thread		26; 14~1		31;28~1/4
	No. and range of module thread		53; 0.5~120		45;0.5~60mm
	No. and range of dia. thread		24; 28~1		38;1/2~56DP
TOOL POST & TAILSTOCK	Max.travel of cross slide	mm	440/540/570	500	520(20'')/580(22'')/630(24'')
	Max.travel of top slide	mm	200		300
	Section of tool shank	mm	32(192x192)	32(202x202)	45 (260x260)
	Dia./Travel of tailstock	mm	100/250	100/250	160(6'')/300(12'')
	Taper hole of tailstock quill	mm	morse5/morse6		
OTHERS	Main motor power	kw	11		22
	Length	mm	2958~12275	3670~8260	4600~15100
	Width	mm	1393/1473/1430	1730	2150
	Height	mm	1537/1622/1690	1450	1700/1825/2150

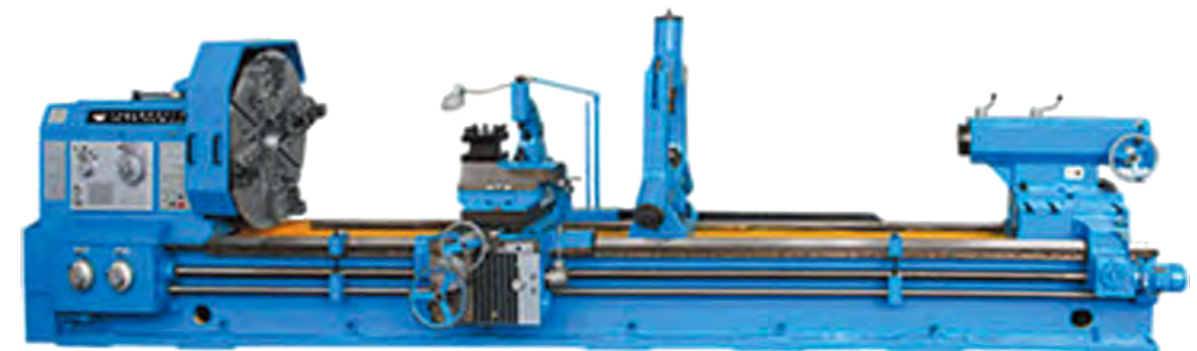
Manual Heavy Duty Lathe ↓

This series of machine tools are mainly used to undertake all kinds of turning work, such as all kinds of parts of the end, cylindrical, bore, metric thread, inch thread, modulus thread and diameter thread. The lathe has advantages of large loading capacity, high precision, reasonable structure and convenient operation.

The machine tool bed with a structure of three rectangular guide. It is made of high standard cast iron (HT300). The guide rail width is 1600mm which is of strong rigidity and strong anti-vibration ability. The precision grinding ensure high precision and good retention..

Technical Parameter ↓

ITEM		UNIT	CW61125/61140/61160 (10t)	C61125/61160/61180/61200 (16t)	C61160/61200/61250(32t)
CAPACITIES	Swing over bed	mm	1250~2500		
	Swing over carriage	mm	865~2200		
	Max.length of workpiece	mm	3000~20000		
	Max.turning length	mm	2800~18000		
SPINDLE	Pan of guideway	mm	970	1100	1600
	Dia.of spindle hole	mm	100/130		/
	Taper hole of spindle		Metric140		75°
	Range of spindle speeds	r/min	3.15~315		
	No.of spindle speeds		forward: 21; reverse: 12		STEPLESS
FEED	Dia.chuck D	mm	/		
	Range of feed motion	mm	longitudinal: 0.1~12; cross: 0.05~6; top siide: 0.025~3	0.125~48; 0.063~24	
	No. and range of metric thread		44; 1~120		2~40
	No. and range of inch thread		31;28~1/4		1~14
TOOL POST & TAILSTOCK	No. and range of module thread		45;0.5~60		1.5~20
	Max.travel of cross slide	mm	650~900		
	Max.travel of top slide	mm	300	360	600
	Section of tool shank	mm	45 (260x260)	50 (380x380)	70
	Dia./ Travel of tailstock	mm	220/300	260/300(12?)	300/300
OTHERS	Taper hole of tailstock quill	mm	morse 6		
	Main motor power	kw	22	30	75
	Length	mm	6020~15020		13577~21577
	Width	mm	1995~2515		
OTHERS	Height	mm	2175~2655		
	Max.weight of workpiece	t	10	16	32



Mini CNC Lathe ↓

The mini CNC lathe applies the mechanical and electrical integration design, which with reasonable structure, wide range of uses, simple operation and nice appearance. It can achieve control automatically. It can process a variety of the inner and outer ring, end face, slot, conical surface, spherical surface and cylinders and taper threads etc.

Advantages:

- 1.Reinforced spindle motor
- 2.High rotation accuracy
- 3.Good shock resistance
- 4.High precision ball screw
- 5.Excellent dynamic performance



Technical Parameter ↓

Specifiction	Unit	CK0632	CK0640	CK0660	CK6132	CK6136
Swing over bed	mm	200	320	320	320	360
Swing over table	mm	80-150	90-150	80-150	160	200
Row of knife number		4--8	4--8	4--8	4--8	4--8
Spindle bore	mm	38	49	89	60	60
Spindle speed	r/min	100-2500	100-2100	100-1800	150-2200	150-2200
Cross stroke	mm	380	260	380	260	260
Max.length of production	mm	260	500	260	750	750
Rapid traverse	mm/min	X:5000 Z:6000				
Power of main motor	kw	3	3	3	5.5	5.5
N.W.	kg	800	900	950	1700	1700
L*W*H	mm	1500*1000*1500			1980*1400*1650	
Control system		customized require (GSK/SIEMENS/FUNUC)				

Sprinkler Lathe ↓

The CNC Sprinkler lathe is special designed for machining fire sprinkler, It is high efficiency with the automatic feeding device. We can design the automatic feeding device according to customers' requirements. A complete fire sprinkler production line is composed of two CNC lathes and automatic feeding device, which is high precision (processing accuracy 0.01mm), high speed and easy for operation.

Technical Parameter ↓

ITEM	UNIT	SK-0632-S
swing over bed	mm	240
max turning length	mm	200
max length of workpiece	mm	160
Max travel	mm	X: 220
		Z: 220
rapid of X/Z	mm	X: 8000
		Z: 8000
indexing repeatability	mm/min	X: 0.007
		Z: 0.01
spindle bore	mm	30
shaft end form		7"7"30" short cone
hole taper		21
Turret		V 4
spindle speed	r/min	2800
main motor power	kw	3
capacitance	KVA	4
weight	kg	700
dimensions	mm	1450*1000*1550



Besides the fire sprinkler, the automatic lathe can process varieties of ironware components, brass parts and so on, such as joints, uniontee, teevalve, etc.



Valve CNC lathe

The valve CNC lathe is specially designed for different kinds of valves, such as ball valve, check valve, gate valve and safety valve, etc. There is the automatic feeding device which designed for the different valves.

Advantages:

- 1.Precision bearings
- 2.Repeat positioning (0.01mm)
- 3.Overall cast bed
- 4.Rail widening
- 5.Super audio quenching rail surface
- 6.Screw thicker
- 7.High precision (processing accuracy0.01mm).



Technical Parameter

	Item	Unit	CK0632	CK0640	CK0660	CK6132	CK6136
Capacity	Swing over bed	mm	200	320	320	320	360
	Swing over table	mm	80-150	90-150	80-150	160	200
	Row of knife number		4--8	4--8	4--8	4--8	4--8
Spindle	Spindle bore	mm	38	49	89	60	60
	Spindle speed	r/min	100-2500	100-2100	100-1800	150-2200	150-2200
Cross	Cross stroke	mm	380	260	380	260	260
	Max.length of production	mm	260	500	260	750	750
	Rapid traverse	mm/min	X:5000 Z:6000				
Others	Power of main motor	kw	3	3	3	5.5	5.5
	N.W.	kg	800	900	950	1700	1700
	L*W*H	mm	1500*1000*1500			1980*1400*1650	
	Control system		customized require (GSK/SIEMENS/FUNUC)				

Various valves products



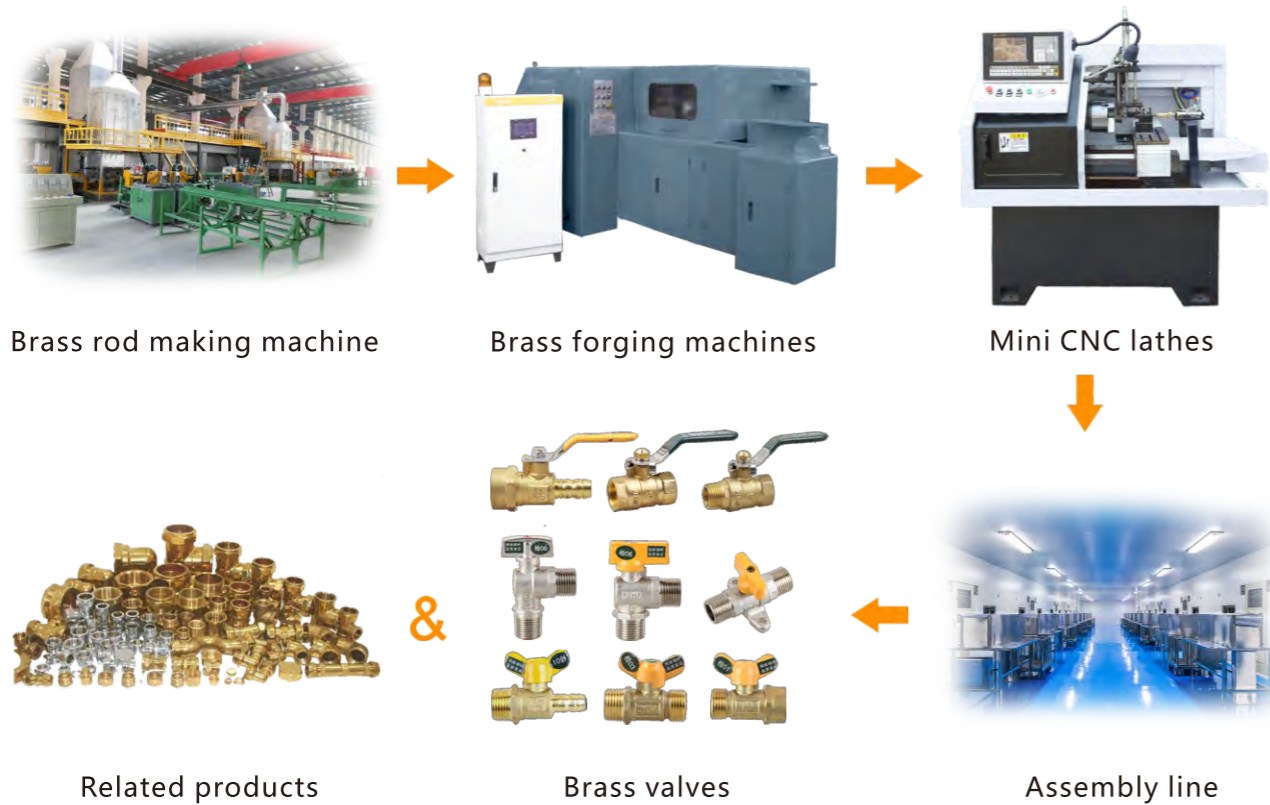
Related products



Brass valve production line ↓

The complete production line consists of brass rod making machines, brass forging machines, CNC lathes and assembly line. It can produce the valves from scrap copper chips. The brass making machines including melting furnace, temperature keeping furnace, automatic cutting machine and so on. The valve hot forging machine is a high efficient automatic machine for producing complex blanks. The raw materials are used to select the copper rod of $\varnothing 15\text{mm}$ - $\varnothing 30\text{mm}$, and after automatic heating, cutting, stamping and discharging, the blank is finally finished. Then machining the blanks on the CNC lathes.

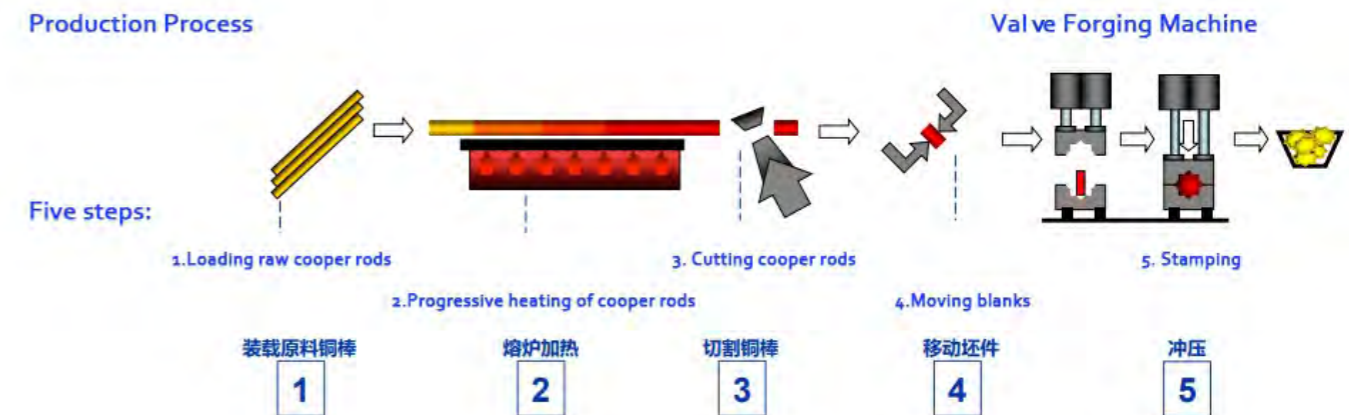
The high precision production line can achieve fully automatic control, which can save lots of labor costs.



Technical Parameter ↓

Model	Blanks weight (g)	Productivity	MotorPower	Frequency furnace power(KW)	Machine weight (KG)	Machine size L*W*H
		(n/min)	(KW)			(mm)
ZW-TA06	30	70	4	50	2500	2150X1100X1100
ZW-TA08	50	70	7.5	60	5000	4200X1500X1450
ZW-TA10	100	70	15	80	8000	4900X1850X1820
ZW-TA12	120	70	18.5	100	10000	5000X1900X1800
ZW-TA16	160	65	22	120	12000	5600X1900X1950
ZW-TA20	200	60	30	150	15000	5800X1950X1900
ZW-TA30	250	60	30	200	18000	5800X2000X1900

Brass rod forging production process:

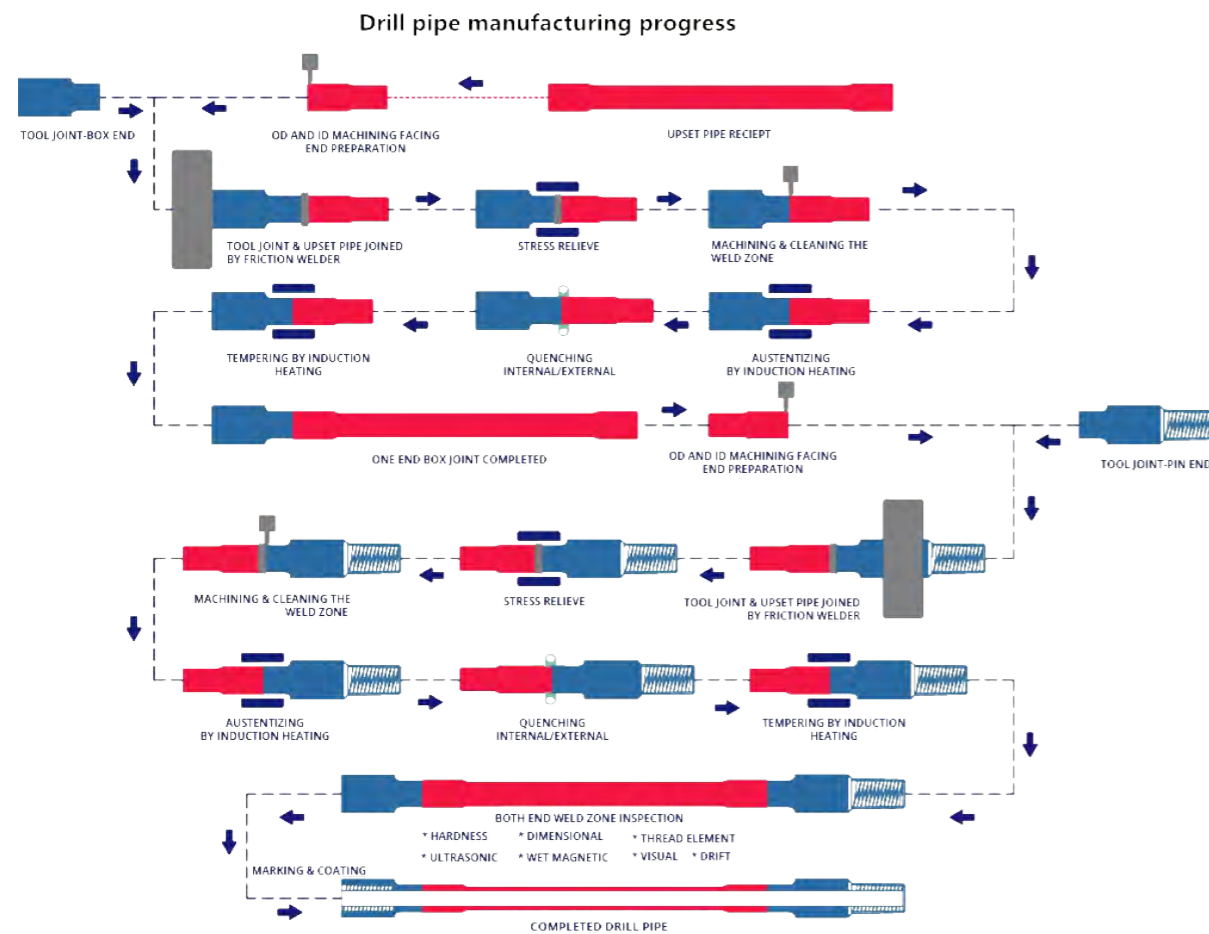
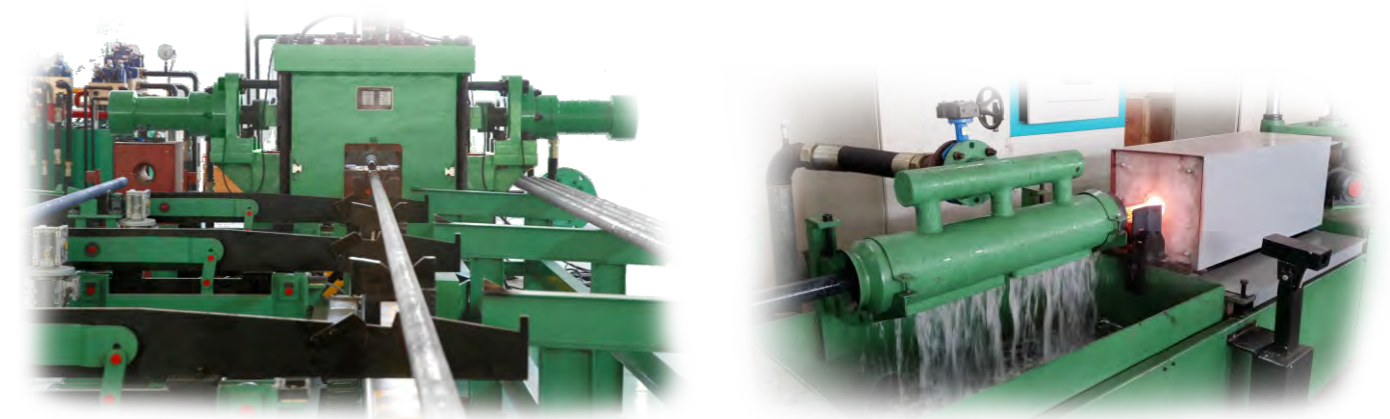


Production efficiency: The brass valve production line efficiency is 5 to 6 times than the traditional manufacturing process, according to different product conditions, the production line can produce 50-100 pieces per minute.

Labor costs: One worker can operate several machines, compared with the traditional process will save 6-10 labors at least.

Drill pipe & Drill collar 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 thread lathes and some other machines. The production line is fully automatic. It can produce high quality and strong rigidity drill pipe in short time.



Step1: HM410 hydraulic upsetting machine

The upsetting equipment is composed of upsetting machine, automatic feeding device, hydraulic station, pipeline, intermediate frequency heating furnace and control cabinet. High rigidity and strong upsetting force are the features of the main machine.

PLC control applied advanced photoelectric detection technology. It can achieve automatic production.

STEP2: Quenching and tempering

The heat treatment process is used to improve the overall mechanical performance of the drill pipe. Quenching is heat the pipe to critical temperature and cooling it instantly. After queching, the pipe should be keep below critical temperature and cooling it again. In this way, the ductility and toughness of the pipe will be strengthen.

STEP3: Pipe threading lathe : QKA1235

QK series lathe are mainly used in oilfield industries, which are not only suitable for processing oil pipe, drill pipe, but also processing drill collar and sucker rod. The lathe has the advantages of high efficiency, low scrap rate and good consistency etc.



Advantages

- Easy operation
- high precision
- Attractive price
- Maintenance simple
- High efficiency
- Automatic control

The production line can process : drill pipe, drill collar, oil pipes and oil casting etc.



Production line for sleeve & disk workpiece

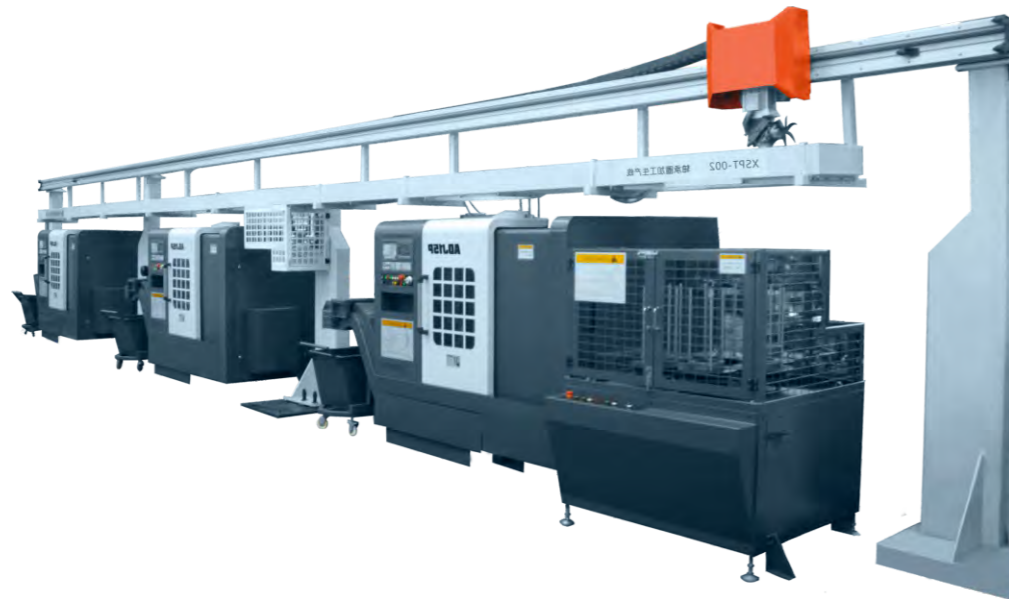
XSPT-002 bearing ring automatic line is composed of three ADJ15P CNC lathes and a set of SMT20 Manipulator automatic feeding device.

The automatic line grasping force is no more than 7Kg.

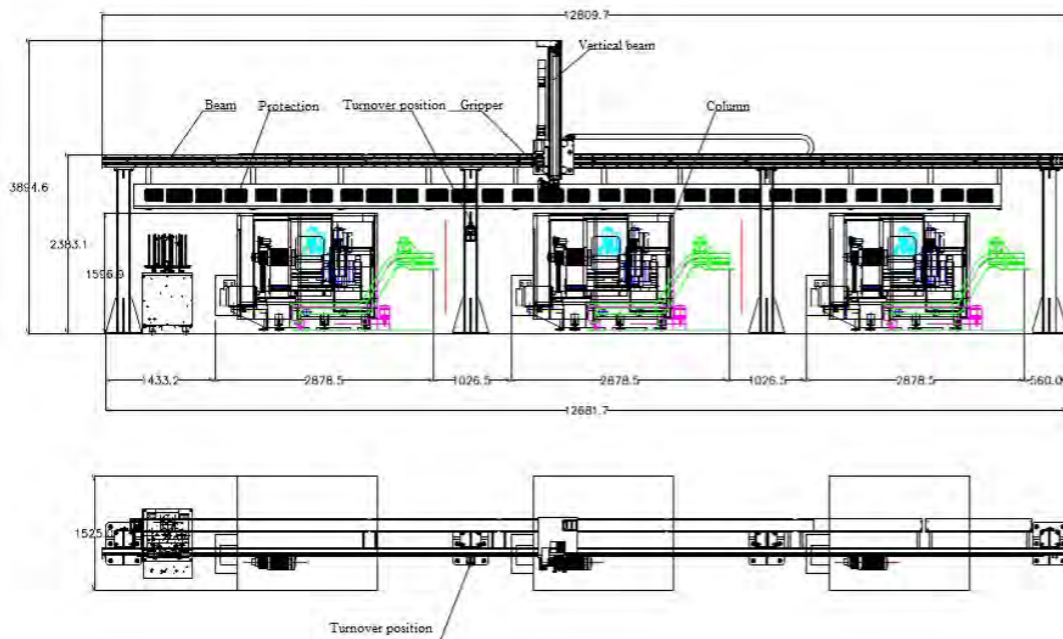
Outer diameter: 100mm-200mm

The width of disk type parts: 14mm-70mm.

It can be customized according to user-specific requirements.



Outline dimension drawing



Specification:

Workpiece	Bearing out ring (No. CG-GAC110S/K.01-LG1)
Annual output estimation	12 months×26 days×20 hours×3600 seconds×0.85 Utilization rate/85 seconds (Automatic line cycle time) = 224640 pieces.

Six-station Rotary tray silos:

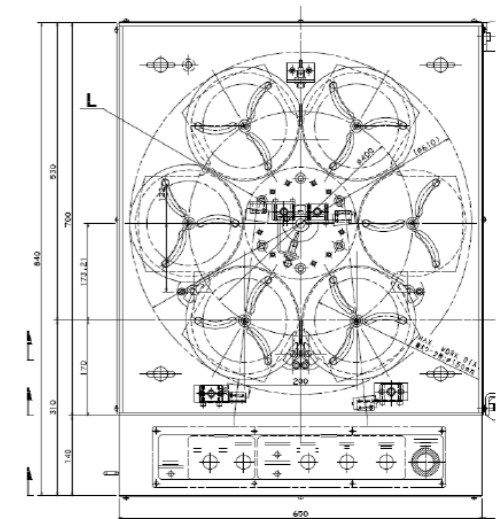
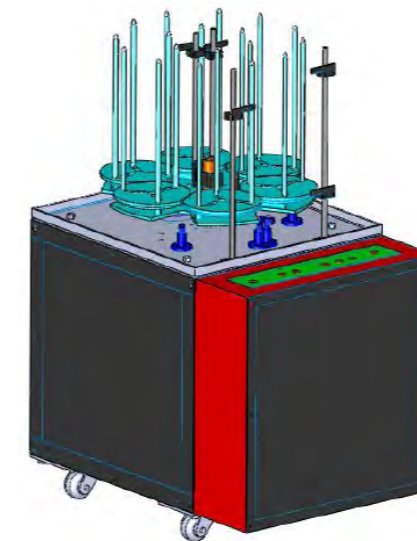
The feeding of the automatic line is completed by the 6 Station pallet type rotary silos, the silo is controlled by the sensor signal to change feeding position and the stroke of each action.

Silo specifications: 6 stations.

Delivery parts diameter range: $\Phi 30 \sim \Phi 230$;

Each station stack height: 400mm.

Each tray carrying weight: 35kg.



Machinable products of the production line:



Mo Tu We Th Fr Sa Su ☀️ 🌧️ 🌂

Memo No. _____
Date / /

Mo Tu We Th Fr Sa Su ☀️ 🌧️ 🌂

Memo No. _____
Date / /

Mo Tu We Th Fr Sa Su ☀️ 🌧️ 🌂

Memo No. _____
Date / /

Mo Tu We Th Fr Sa Su ☀️ 🌧️ 🌂

Memo No. _____
Date / /