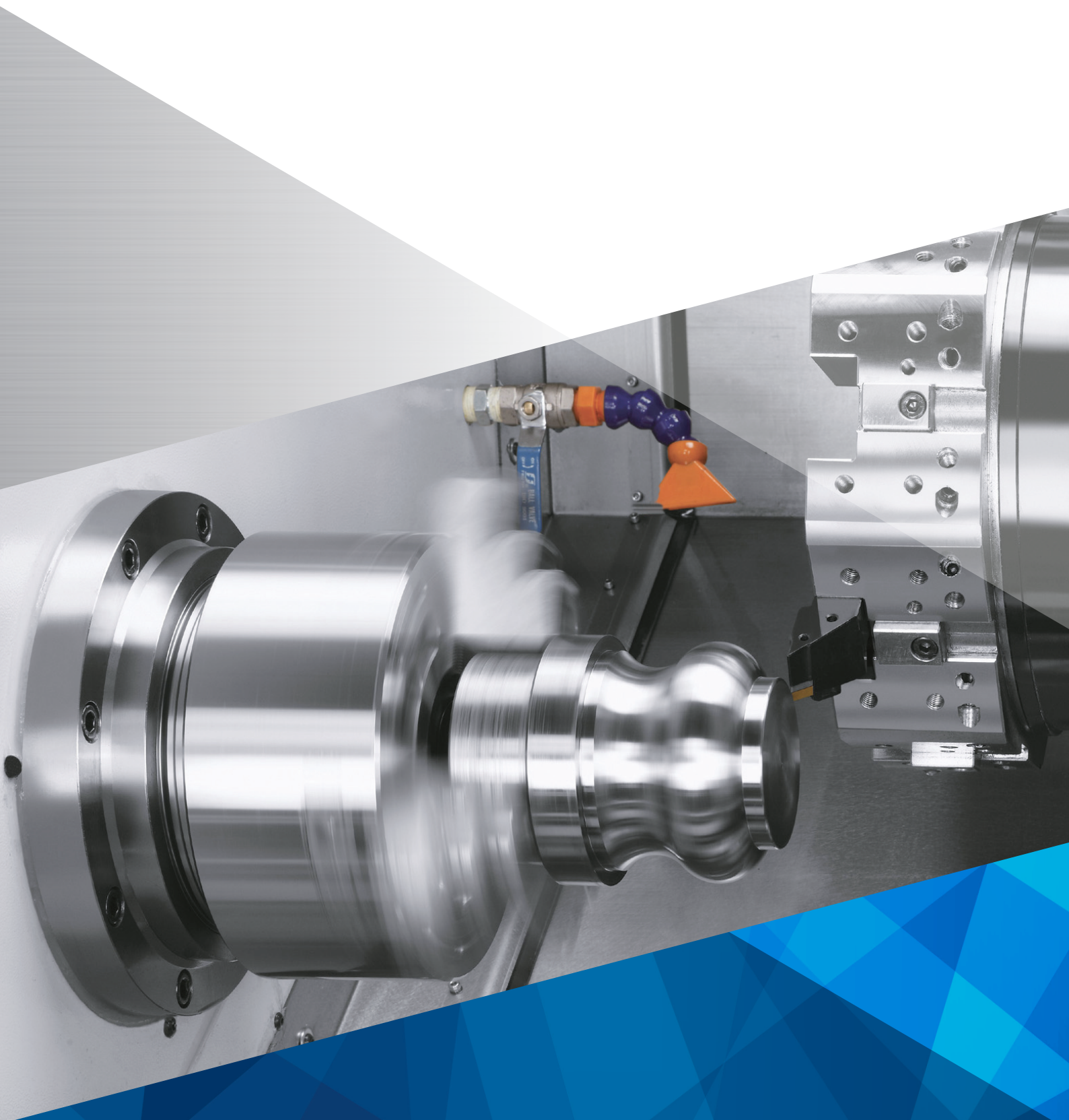




CNC TURNING CENTERS

2002 KFM MACHINERY
FOUNDED

2003 MACHINING
CENTRE
DEVELOPMENT

2005 CNC TURNING
CENTRE
DEVELOPMENT

2012 KFM MACHINERY
TEN-YEAR
ANNIVERSARY

2014 NEW LIGHT CNC
TURNING CENTRE
DEVELOPMENT

Slant Bed Lathe

Slant bed lathe has always been KAIFENG's strength. For different applications and to optimize the efficiency of production, each machine manufactured by KAIFENG are engineered and built to the best standard in the industry. This machine will satisfy your needs and provide you with the best using experience.

1



[Global market coverage]

KFM Market Coverage

KAIFENG MACHINERY CO., LTD. was founded in 2002, and the company is located in Taichung Industrial Park which is also the biggest industrial park in the area. Our business covers Greater China, Asia, Europe and North America. "Quality, Precision, Stability, and Practicality" is the foundation of the company. The goal is to develop a versatile range of CNC machines with high quality materials, strict production line, and best management system.

All the machines are qualified with CE Safety Certification and numerous patents. With our persistent search of new technology and continuous innovation, we are always the leading force in the CNC manufacturing industry and your best partner to work with.



KT-16



Max turning diameter	260 mm	Spindle motor	5.5/7.5 kw
Max turning length	300 mm	Tailstock travel	200 mm
Chuck size	6"	Machine weight	3300 kg

KT-20



Max turning diameter	360 mm	Spindle motor	11/15 kw
Max turning length	500 mm	Tailstock travel	425 mm
Chuck size	8"	Machine weight	4500 kg

KT-25

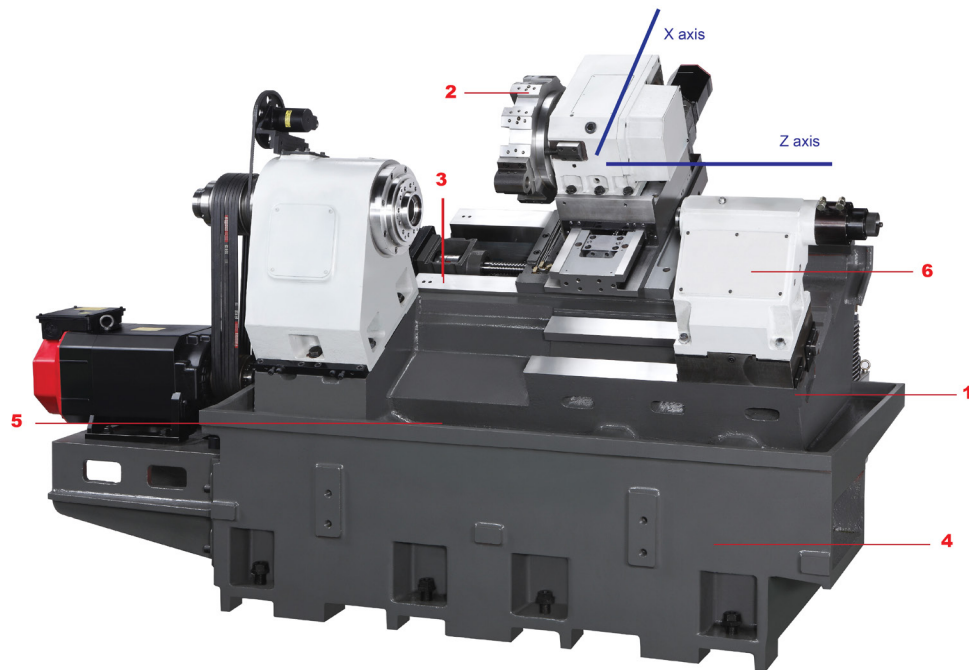


Max turning diameter	360 mm	Spindle motor	15/18.5 kw
Max turning length	500 mm	Tailstock travel	425 mm
Chuck size	10"	Machine weight	5000 kg

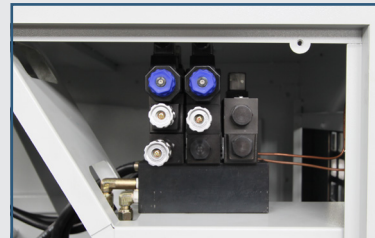
KT-30



Max turning diameter	520 mm	Spindle motor	15/18.5 kw
Max turning length	750 mm	Tailstock travel	675 mm
Chuck size	12"	Machine weight	6500 kg



- 1 Slant bed lathe with 30-degree tilted one casting bed to provide cutting stiffness and perfect alignment.
- 2 Hydraulic driven turret for efficient and stable tool indexing with 0.3-sec tool to tool rotating time.
- 3 Box slideway to provide a better support to the bulky tailstock.
- 4 High rigidity body structure built to minimize the vibration occurred during the manufacture process.
- 5 Hand scraped wedge structure to increase the amount of oil between the guide way and undercarriage for a smooth and stable travel.
- 6 High rigidity tailstock with MT#4 / MT#5 quill centre accompanied with hydraulic driven system to provide you with multiple cutting needs.



Easy oil pressure adjustment



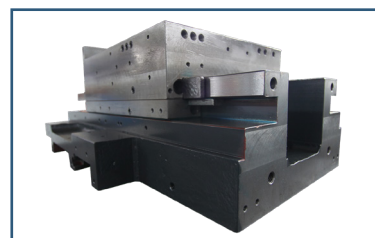
Copper made oil proportional divider



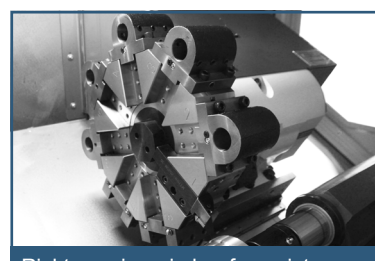
High speed hollow power chuck



Hidden oil hydraulic system

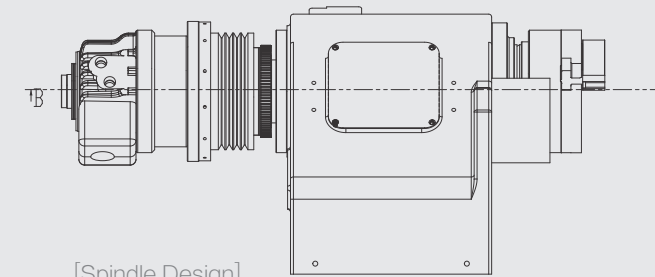


Box guide way closeup

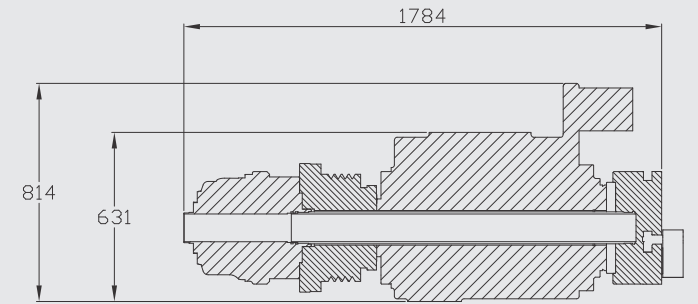


Right opening window for maintenance

Spindle

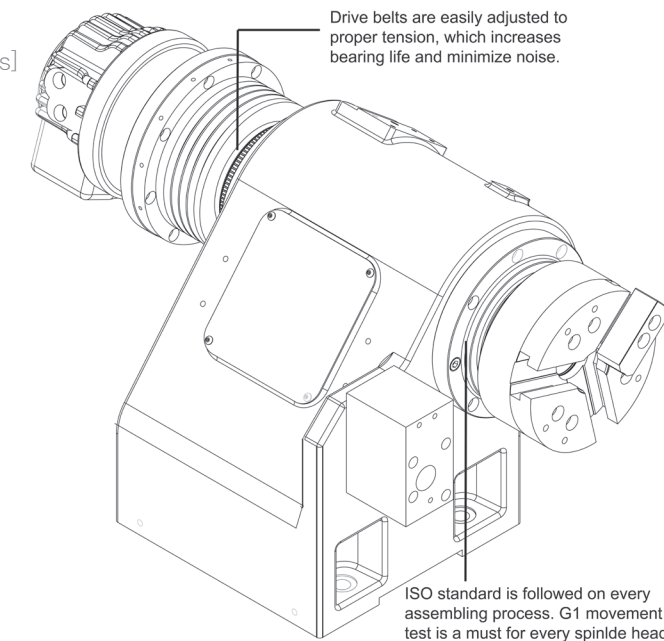


[Spindle Design]

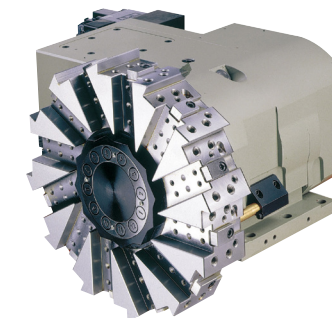


[Spindle Design]

[Spindle Features]

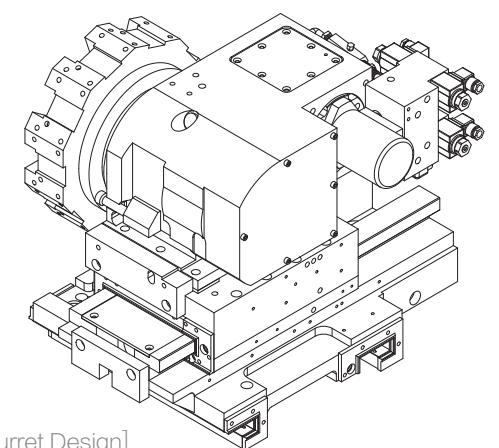


Turret



- Fast tool to tool changing time
- Stable hydraulic driven system
- Smooth tool clamping mechanism

ITEM	UNIT	SPECS
Center Height	mm	120
Number of tools	-	8T / 10T / 12T
Rotating time (tool to tool)	sec	0.3
Rotating time (locking included)	sec	0.5
Total indexing time	sec	1.2 / 1.4 / 1.5
Total indexing time (locking included)	sec	1.4 / 1.6 / 1.7
Curvic coupling type	-	24180
Oil hydraulic motor type	-	OMP80 / 100
Solenoid operated valve	-	AC 110 / DC 24V
Accuracy of repeatability	mm	0.003
Net weight	kg	131



[Turret Design]

KT-16 / 18

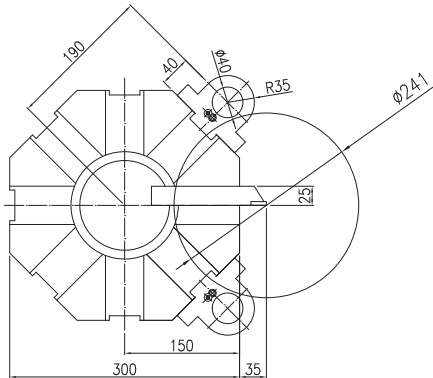


[2850x1450x1650]
[KT-16 Machine Photo]

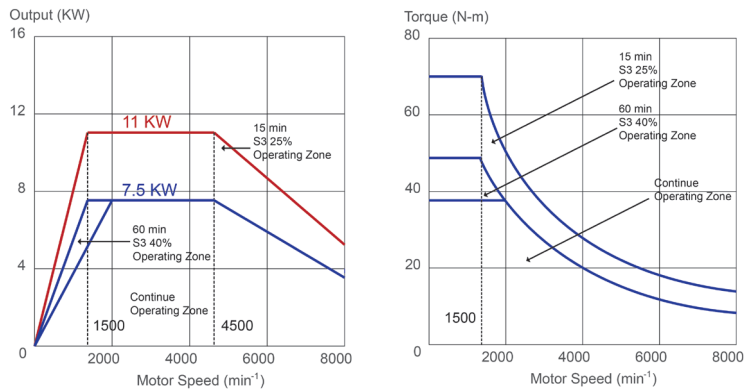
ITEM	KT-16	KT-18
Max turning diameter	260 (240) mm / 10.24 (9.45) inch	
Max turning length	300 mm / 11.81 inch	
Chuck size	6"	8"
Spindle motor	5.5 / 7.5 kw	7.5 / 11 kw
Spindle nose	A2-5	A2-6
X travel	125+20 mm / 4.92+0.78 inch	
Tool capacity	8 / 10 T	
Tailstock travel	200 mm / 7.87 inch	
Machine weight	3300 kg	



Cutter Inteferece



Output / Torque



KT-20 / 20 L

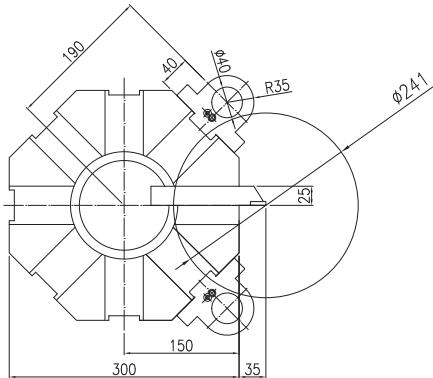


[3350x1700x1840]
[KT-20 Machine Photo]

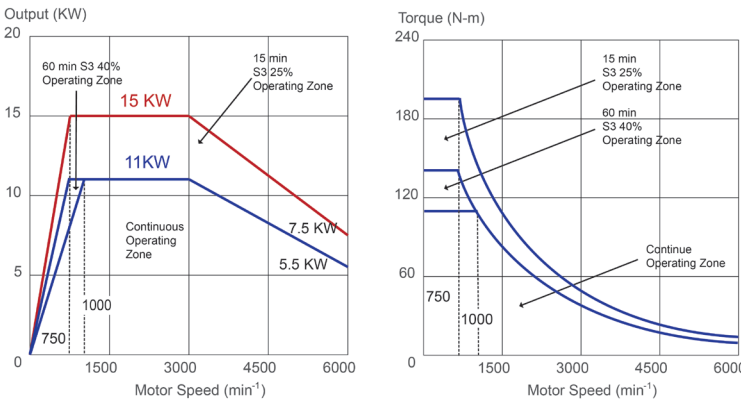
ITEM	KT-20	KT-20 L
Max turning diameter	360 mm / 17.17 inch	
Max turning length	500 mm / 19.68 inch	750 mm / 29.52 inch
Chuck size	8"	
Spindle motor	11 / 15 kw	
Spindle nose	A2-6	
X travel	180+20 mm / 7.08+0.78 inch	
Tool capacity	8 / 10 T	
Tailstock travel	425 mm / 16.73 inch	675 mm / 26.57 inch
Machine weight	4500 kg	5300 kg



Cutter Inteferece



Output / Torque



KT-25 / 25 L

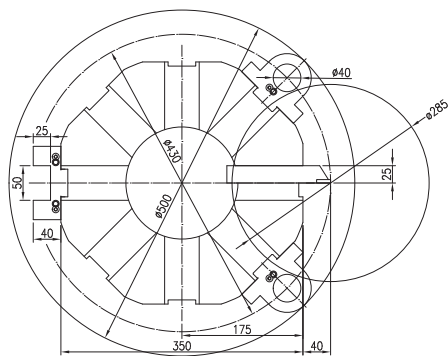


[3350x1700x1840]
[KT-25 Machine Photo]

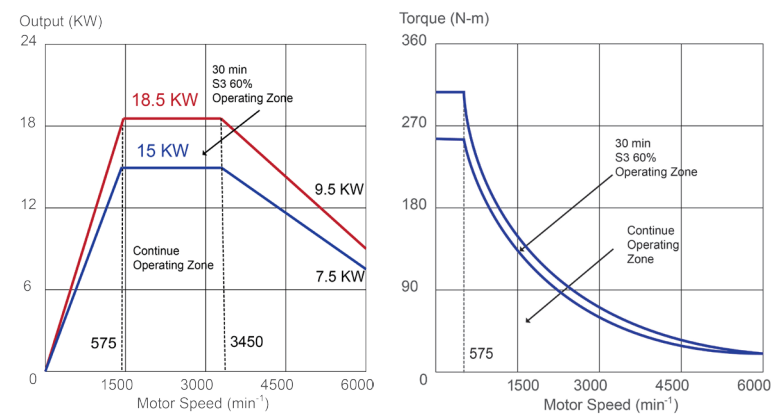
ITEM	KT-25	KT-25 L
Max turning diameter	360 mm / 14.17 inch	360 mm / 14.17 inch
Max turning length	500 mm / 19.68 inch	750 mm / 29.52 inch
Chuck size	10"	
Spindle motor	15 / 18.5 kw	
Spindle nose	A2-8	A2-8
X travel	180+30 mm / 7.08+1.18 inch	
Tool capacity	8 / 10 T	
Tailstock travel	425 mm / 16.73 inch	675 mm / 26.57 inch
Machine weight	5000 kg	5800 kg



Cutter Inteference



Output / Torque



KT-30

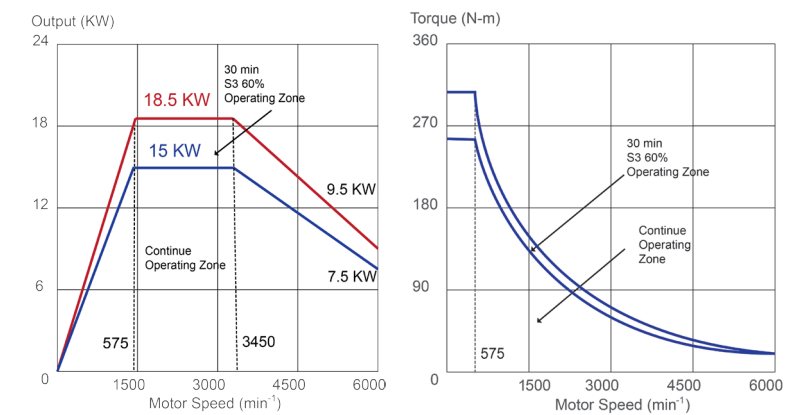


[3950x1800x1930]
[KT-30 Machine Photo]

ITEM	KT-30
Max turning diameter	520 mm / 20.47 inch
Max turning length	750 mm / 29.52 inch
Chuck size	12"
Spindle motor	15 / 18.5 kw
Spindle nose	A2-8
X travel	260+25 MM / 10.24+0.98 inch
Tool capacity	10 / 12 T
Tailstock travel	674 mm / 26.57 inch
Machine weight	6500 kg



Cutter Inteference



KT-200

Top Seller Model

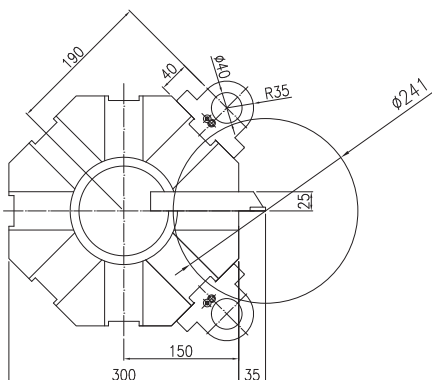


[3320x1610x1710]
[KT-200 Machine Photo]

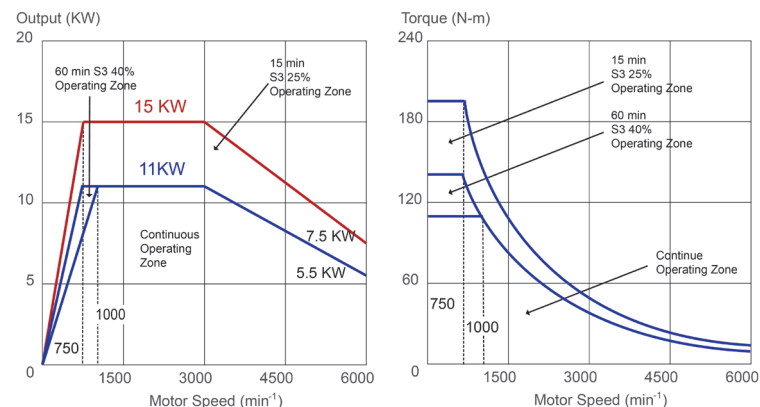
ITEM	KT-200
Max turning diameter	360 mm / 14.17 inch
Max turning length	400 mm / 15.75 inch
Chuck size	8"
Spindle motor	11 / 15 kw
Spindle nose	A2-6
X travel	180+20 mm / 7.08+0.78 inch
Tool capacity	8 / 10 T
Tailstock travel	325 mm / 12.79 inch
Machine weight	4000 kg



Cutter Inteferece



Output / Torque



Standard Specification

ITEM	UNIT	KT-16 / 18	KT-20 / 20 L	KT-25 / 25 L	KT-30	KT-200
Controller	-	FANUC / SYNTEC	FANUC / SYNTEC	FANUC	FANUC	FANUC
Bed swing diameter	mm	450 (17.72)	530 (20.87)	530 (20.87)	600 (23.62)	530 (20.87)
Saddle swing diameter	mm	280 (11.02)	380 (14.96)	380 (14.96)	400 (15.75)	380 (14.96)
Max turning diamteter	mm	260 (10.24) / 240 (9.45)	360 (14.17)	360 (14.17)	520 (20.47)	360 (14.17)
Max turning length	mm	300 (11.81)	500 / 750 (19.68/29.52)	500 / 750 (19.68/29.52)	750 (29.52)	400 (15.75)
Bar capacity	-	42 / 52	52	75	90	52
Chuck size	inch	6 / 8	8	10	12	8
Spindle motor	kw	5.5 / 7.5 / 7.5 / 11	11 / 15	15 / 18.5	15/18.5	11 / 15
Spindle speed	rpm	5000 / 4500	4500	3500	3000	4500
Spindle nose	inch	A2-5 / A2-6	A2-6	A2-8	A2-8	A2-6
Spindle bearing diameter	mm	90 (3.54) / 100 (3.93)	100 (3.93)	120 (4.72)	140 (5.51)	100 (3.93)
Spindle taper	-	1/20	1 / 20	1 / 20	1/20	1/20
X travel	mm	125+20 (4.92+0.78)	180+20 (7.08+0.78)	180+30 (7.08+1.18)	260+25 (10.24+0.98)	180+20 (7.08+0.78)
Z travel	mm	300 (11.81)	500 (19.68) / 750 (29.52)	500 (19.68) / 750 (29.52)	750 (29.52)	400 (15.75)
X rapid rate	m/min	24	24	20	20	24
Z rapid rate	m/min	30	24	20	20	24
Rail type	slideway	Linear	Box	Box	Box	Box
Tool capacity	station	8 / 10	8 / 10	8 / 10	10 / 12	8 / 10
OD tool shank size	mm	25 (0.98)	25 (0.98)	25 (0.98)	25 (0.98)	25 (0.98)
ID tool shank size	mm	32 (1.26)	32 (1.26)	40 (1.57)	40 (1.57)	32 (1.26)
Tailstock quill diameter	mm	70 (2.75)	70 (2.75)	85 (3.35)	85 (3.35)	70 (2.75)
Tailstock quill travel	mm	80 (3.15)	110 (4.33)	150 (5.91)	150 (5.91)	110 (4.33)
Tailstock travel	mm	200 (7.87)	425 / 675 (16.73/26.57)	425 / 675 (16.73/26.57)	675 (26.57)	325 (12.79)
Quill center taper	-	MT#4	MT#4	MT#5	MT#5	MT#4
Machine (LxWxH)	mm	2850x1450x1650	3350x1700x1840 / 3750x1700x1840	3350x1700x1840 / 3850x1700x1840	3950x1800x1930	3320x1610x1710
Net weight	kg	3300	4500 / 5300	5000 / 5800	6500	4000

Standard Accessories

FANUC	8.4"	Chip conveyor and cart	V
SYNTEC	10.4"	Foot switch	V
3 jaw hydraulic chuck	V	MPG hand wheel	V
Hydraulic system	V	Soft jaw	5
Hydraulic tailstock	V	Tool box	V
Coolant system	V	End face tool holer	1
Auto lubrication system	V	Inner diameter tool holder	5
LED light	V	Operation manual	V
Heat exchanger	V	Machine 1-year warranty	V

Optional Accessories

High speed hollow power chuck (2/4)	Programmable tailstock
Probe system	MT#5 tailstock
Auto loader	Transfromer 20kva / 30kva
Auto door	Exterior control box
Oil skimmer	
Turret 10 / 12 tools	
Auto catcher	
Forming coil 8" / 10"	

本型錄所附圖片及文字僅供參考，所有參數都以實體為基準，如有任何變更皆不另行通知。
ALL THE IMAGES AND SPECIFICATION USED ARE FOR REFERENCE USE ONLY.
KAIFENG © RESERVES THE RIGHT OF CHANGING ANY INFO WITHOUT NOTICE.



MADE IN TAIWAN



KFM
KAIFENG MACHINERY
凱豐機械股份有限公司

NO. 19, 31ST STREET, XITUN DIST, TAICHUNG
INDUSTRIAL PARK, TAICHUNG CITY, TAIWAN

T : +886 4 2359 8133
F : +886 4 2359 8733

W : www.kfm.tw
E : kfm.info@kfm.tw

