

## ***PRECISION HEAVY DUTY LATHES***

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Model:

TK600 / 670 / 770 / 840

TK960 / 1060 / 1200

TK1200N / 1400N / 1600N

TK1800N / 2000N / 2250N /

2500N

***PRO-TAKANG***

**CNC-TAKANG CO., LTD.  
MANUFACTURER & EXPORTER**

**PRO-TAKANG**

## HEADSTOCK

Extra heavy duty casting headstock with:

- Two opposed high precision SKF taper roller bearings
- Precision grounded and hardened gears
- Auto lubrication system

## CARRIAGE and APRON

Proportional and massive size carriage and apron

Easy operation

Spring loaded longitudinal hand wheel handle

Adjustable clutch for carriage

Chrome-nickel satin finished dials

Direct reading cross feed dial

Left side thread chasing dial

Two feed shaft and lead screw supports for machine above 3 meters.

## DUAL GEAR BOX

Quick change dual gear box provides both Inch and Metric threads

Fully automatic lubricated and total enclosed gear box



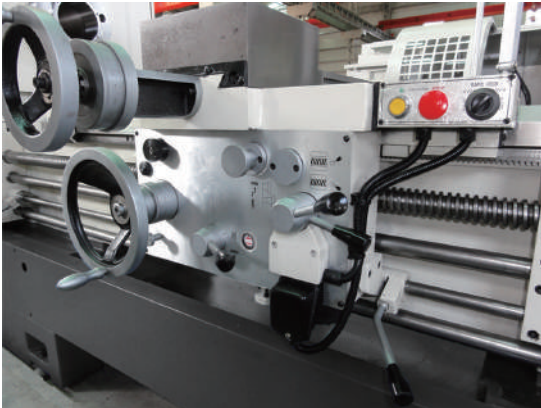
**TK670 x 2000**

## BED and PEDESTAL

Extra heavily ribbed, massive designed, single piece casting bed

Stable 400 / 460mm (Opt.) width bed

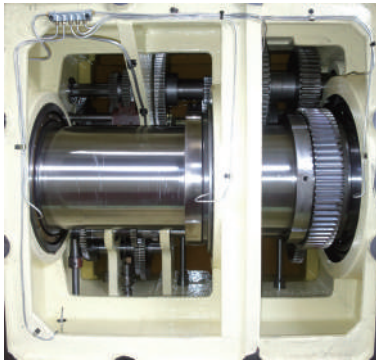
Induction hardened and precision ground bed and cross slide ways



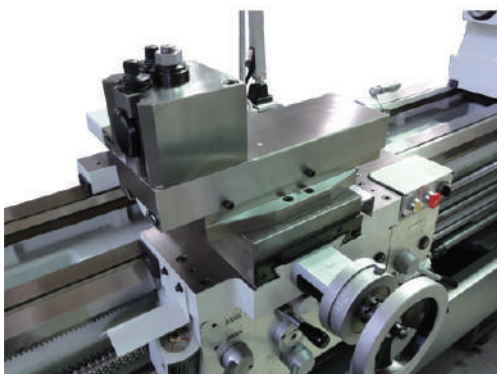
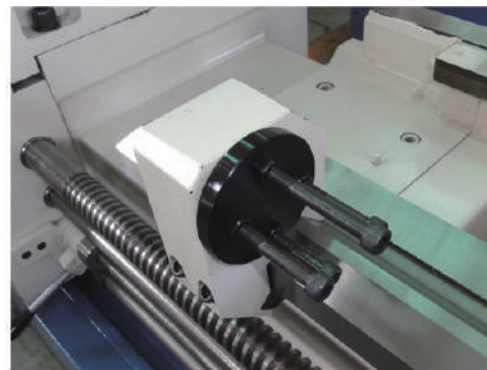
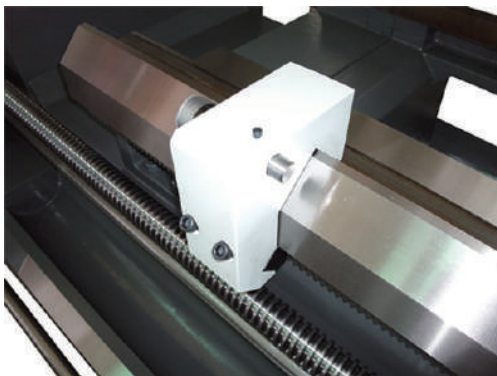
Powerful apron  
Rapid traverse and controls on carriage  
2 clamp down bolts for high rigidity top slide



Dust and water proof electric cabinet.  
Reliable components  
- BUSS fuses, non-fuse breaker and main power switch.

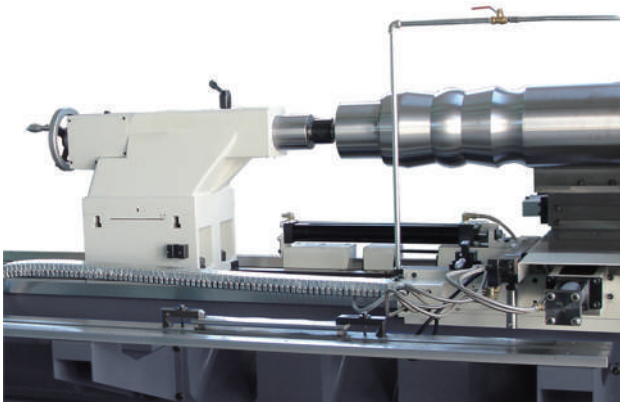


Inside of headstock shows hardened and precision ground gears and massive heavy walled casting.

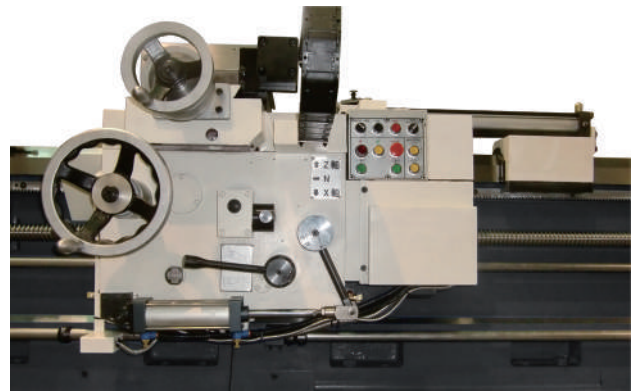




# TK960 / 1060 / 1200 / 1200N / 1400N / 1600N



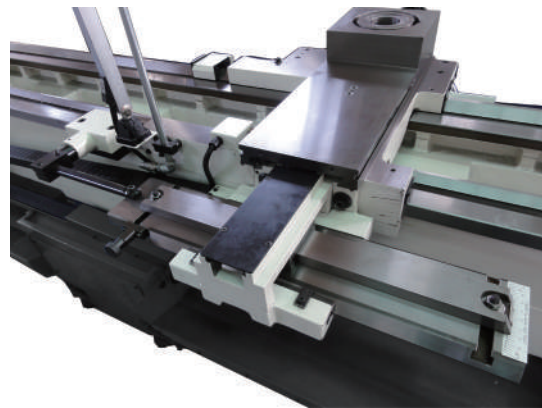
Copy device with 120mm stroke length



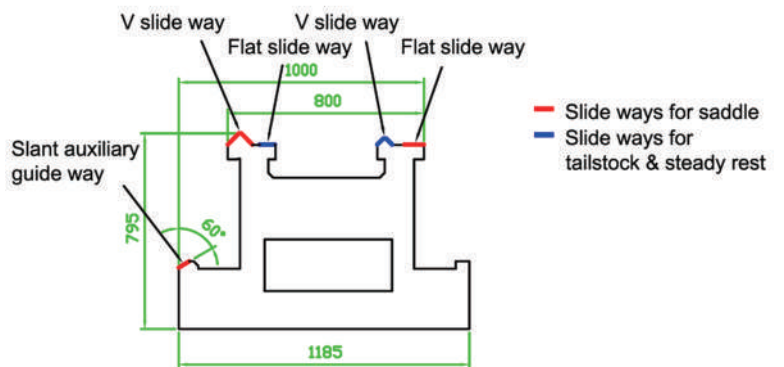
Semi-automatic rapid threading attachment



Heavy duty cast iron tailstock body  
MT6 taper quill movement by  
2 speed reduction box and handwheel



Heavy duty taper attachment



TK1600N x 4000

# TK960 / 1060 / 1200 / 1200N / 1400N / 1600N

## SPECIFICATIONS

MODEL	DESCRIPTION	TK960	TK1060	TK1200	TK1200N	TK1400N	TK1600N
Capacity	Swing over bed	960 mm (37.7")	1060 mm (41.7")	1200 mm (4.27")	1190 mm (46.8")	1385 mm (54.5")	1580 mm (62.2")
	Swing over cross slide	650 mm (25.5")	750 mm (29.5")	890 mm (35.6")	830 mm (32.6")	1030 mm (40.5")	1230 mm (48.4")
	Swing over gap	1510 mm (59.4")	1610 mm (63.3")	1750 mm (68.8")	1750 mm (68.8")	1950 mm (76.7")	2150 mm (84.6")
	Center height	480 mm (18.8")	530 mm (20.8")	600 mm (23.6")	600 mm (23.6")	700 mm (27.5")	800 mm (31.4")
	Width of gap	570 mm (22.4")			600 mm (23.6")		
	Bed width / Auxiliary guide	560 mm (22") / 660 mm (25.9")			800 mm (31.4") / 1000 mm (39.3")		
	Between centers	2M, 3M, 4M, 5M, 6M, 7M, 8M, 9M			2M, 3M, 4M, 5M, 6M, 7M, 8M, 9M, 10M, 11M, 12M, 13M, 14M		
Headstock	Spindle bore, Dia.	Dia. 156 mm (6") / Opt. 230 mm (9")	Dia. 156 mm (6") / Opt. 230 mm (9"), 310 mm (12"), 360 mm (14")		Dia. 230 mm (9") / Opt. 310 mm (12"), 360 mm (14"), 410mm (16"), 535 mm (21")		
	Spindle nose	A2-11 / Opt. A2-15	A2-11 / Opt. A2-15, A2-20		A2-15 / Opt. A2-20, A2-28		
	Spindle speed (rpm), 12 steps	9 - 600 / Opt. 6 - 400	9 - 600 / Opt. 6 - 400, 5 - 300		6 - 400 / Opt. 5 - 300, 3 - 230		
	Main spindle motor	25 HP / Opt. 30 HP			30 HP / Opt. 40 HP or 50 HP		
Feed and Threads	Cross travel	540 mm (21.2")			780 mm (30.7")		
	Cross feeds	0.065 - 0.96 mm / rev (48 kinds)			0.065 - 0.96 mm / rev (48 kinds)		
	Longitudinal feeds	0.13 - 1.92 mm / rev (48 kinds)			0.13 - 1.92 mm / rev (48 kinds)		
	Lead screw diameter	Dia. 50 mm (1.9") x 2 TPI			Dia. 50 mm (1.9") x 2 TPI		
	Threading range, metric	2 – 30 mm / pitch (48 kinds)			2 – 30 mm / pitch (48 kinds)		
	Threading range, inch	1 - 15 TPI (48 kinds)			1 - 15 TPI (48 kinds)		
	Module pitch threads	1 – 15 M (32 kinds)			1 – 15 M (32 kinds)		
	DP. pitch threads	2 – 30 P (48 kinds)			2 – 30 P (48 kinds)		
	Compound rest travel	300 mm (11.8")			350 mm (13.7")		
	Tool size	40 x 40 mm (1.5 x 1.5")			50 x 50 mm (2 x 2")		
	Rapid motor	1/2 HP			1 HP		
Tailstock	Quill Diameter	Dia. 140 mm (5.5") / Dia. 200 mm (7.87")			Dia. 200 mm (7.87") / Opt. Dia. 290 mm (11.41") rotating type		
	Quill taper	MT6			MT7		
	Quill travel	300 mm (11.8")			300 mm (11.8")		
Miscellaneous	Coolant pump	1/4 HP			1/4 HP		

※ THE SPECIFICATIONS ARE SUBJECT TO CHANGE WITHOUT PRIOR NOTICE.

### STANDARD ACCESSORIES:

1. Inch / metric dual gear box
2. 4-way toolpost with T slot
3. Work light
4. Coolant system
5. Thread chasing dial
6. Cross and Longitudinal rapid travel
7. Longitudinal bar with travel dogs (for carriage stop)
8. Magnetic brake for main spindle only
9. Tool box with tools
10. Manual

### OPTIONS:

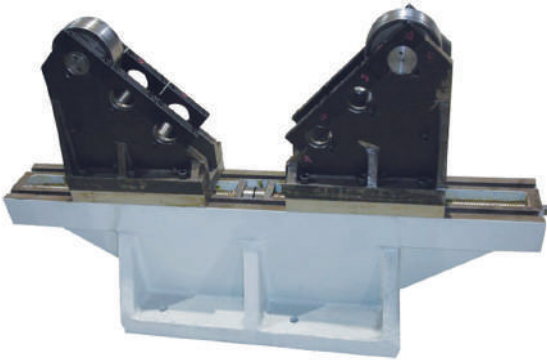
1. Upgrade spindle bore
2. Upgrade spindle motor
3. Chuck or Face plate
4. Adaptor for rear chuck
5. Front chuck protection cover
6. Rear chuck protection cover
7. 4-position carriage stop
8. Steady rest
9. Follow rest
10. Rear tool post
11. Quick change tool post
12. Boring bar tool holder
13. Rapid threading attachment
14. Auto feed on top slide
15. Copy attachment
16. Taper attachment (±10 degree, stroke 500 mm)
17. Rotating center, MT7
18. Full length rear splash guard (BC. 2M - 5M)
19. Moveable rear splash guard
20. CE mark

# TK1800N / 2000N / 2500N

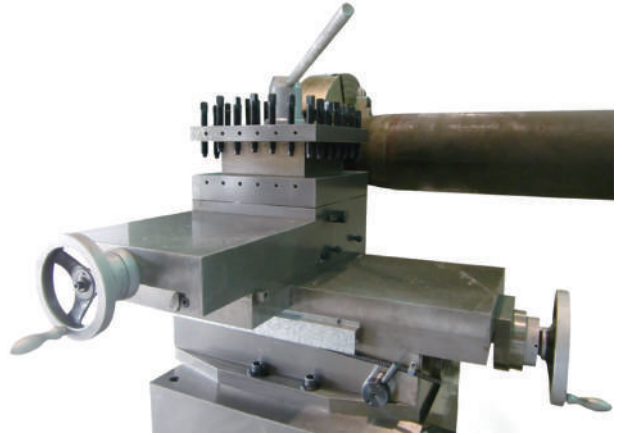


Dia. 290mm high rigidity rotation quill with A2-11 nose and MT7 inner taper movement by 2 speed reduction box and handwheel.

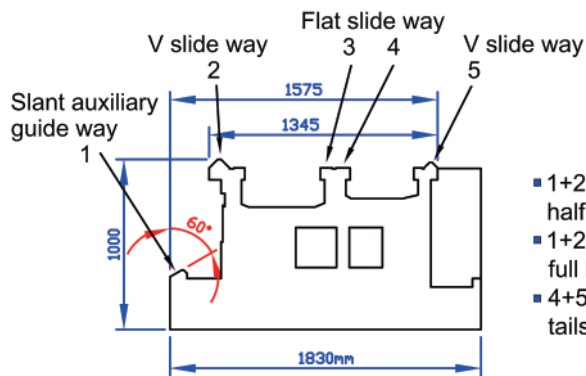
Tailstock body position movement by electric motor.



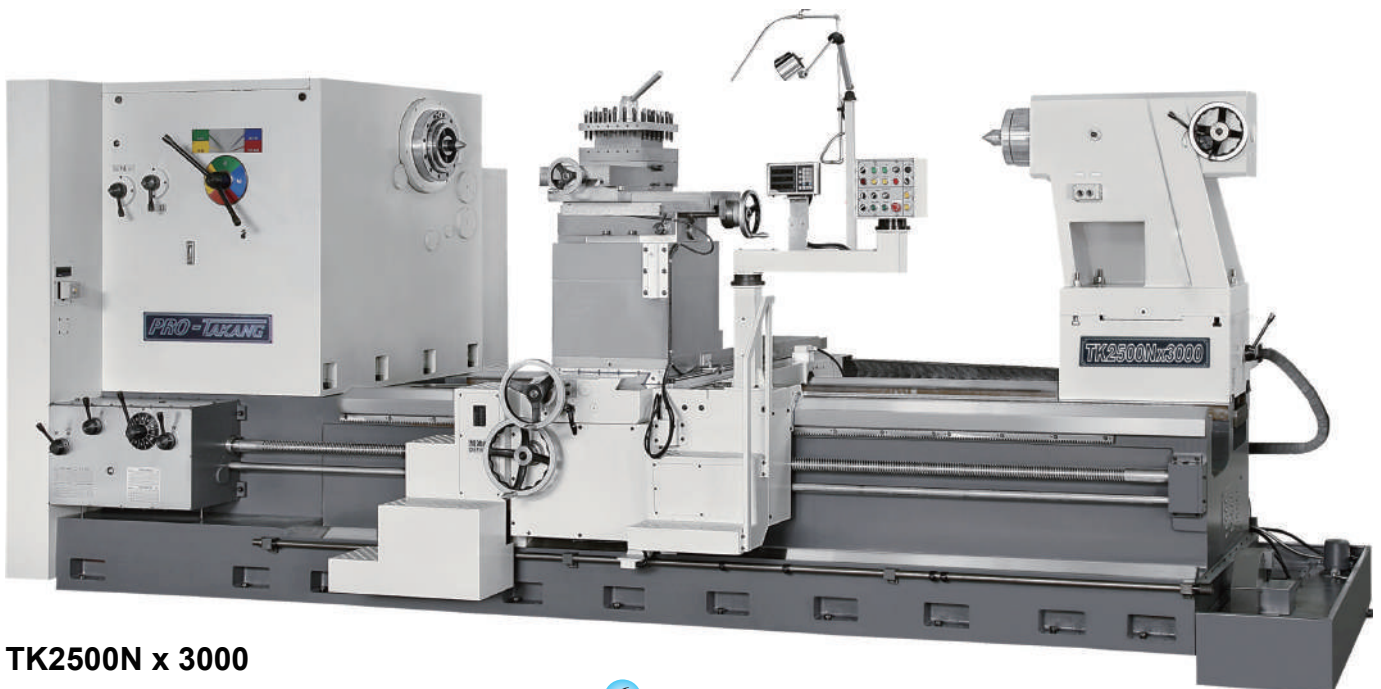
Heavy duty roller support bracket



Cross and longitudinal compound rest



- 1+2+3 slide ways for half length saddle.
- 1+2+5 slide ways for full length saddle.
- 4+5 slide ways for tailstock & steady rest.



TK2500N x 3000

# TK1800N / 2000N / 2250N / 2500N

## SPECIFICATIONS

MODEL	DESCRIPTION	TK1800N	TK2000N	TK2250N	TK2500N
Capacity	Swing over bed	1800 mm (70.8")	2000 mm (78.7")	2250 mm (88.58")	2500 mm (98.42")
	Swing over cross slide	1350 mm (53.14")	1550 mm (61.02")	1800 mm (70.87")	2050 mm (80.7")
	Center height	900 mm (35.43")	1000 mm (39.37")	1125 mm (44.29")	1250 mm (49.21")
	Between centers	3000 – 12000 mm (120 – 480")			
	Bed width / Auxiliary guide	1345 mm (52.95") / 1575 mm (62")			
Headstock	Spindle bore, Dia.	Dia. 210 mm (8")			
	Spindle nose	A2-15 / Opt. A2-20			
	Spindle speed (rpm), steps	5 – 400 rpm			
	Spindle motor	75 HP			
Feed and Threads	Cross feed	0.065 – 0.96 mm / rev (48 kinds)			
	Cross slide travel	1200 mm (47.2")			
	Compound rest travel	X1: 250 mm / Z1: 350 mm			
	Tool size	50 x 50 mm (2 x 2")			
	Longitudinal feeds	0.13 – 1.92 mm / rev (48 kinds)			
	Lead screw	Dia. 60 mm x 2 TPI (inch) or Dia. 60 mm x 12 mm (metric)			
	Threading range, metric	2 – 30 mm / pitch (48 kinds)			
	Threading range, inch	1 – 15 TPI (48 kinds)			
	Module pitch threads	1 – 15 M (32 kinds)			
	DP. pitch threads	2 – 30 P (48 kinds)			
Tailstock	Quill Diameter	Dia. 290 mm (11.4") Heavy duty rotating quill			
	Quill taper	MT7			
	Quill travel	300 mm (11.81")			
Miscellaneous	Rapid motor	2 HP			
	Coolant pump	1 HP			
	Lubrication pump	12 W			

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### ■ STANDARD ACCESSORIES:

1. Inch / metric dual gear box
2. 4-way toolpost with T slot
3. Work light
4. Coolant system
5. Thread chasing dial
6. 6-way rapid travel
7. Main motor with inverter
8. Magnetic brake for main spindle
9. Auto lubrication system
10. Electric motor for tailstock body movement
11. Tailstock rotating quill
12. Sleeve and centers
13. Leveling bolts and pads

### ■ OPTIONS:

1. Upgrade spindle bore
2. Upgrade spindle motor
3. Chuck or Face plate
4. Adaptor for rear chuck
5. Front chuck protection cover
6. Rear chuck protection cover
7. Steady rest
8. Follow rest
9. Rear tool post
10. Digital read out
11. Heavy duty roller support bracket
12. CE mark



## SPECIFICATIONS

MODEL	DESCRIPTION	TK600	TK670	TK770	TK840	
Capacity	Swing over bed	600 mm (23.6")	670 mm (26.3")	770 mm (30.3")	840 mm (33")	
	Swing over cross slide	390 mm (15.3")	460 mm (18.1")	560 mm (22")	630 mm (24.8")	
	Swing over gap	820 mm (32.2")	890 mm (35")	990 mm (38.9")	1060 mm (41.7")	
	Center height	300 mm (11.8")	335 mm (13.2")	385 mm (15.2")	420 mm (16.5")	
	Gap width	450 mm (17.7")				
	Between centers	400 mm bed	1500 mm (59"), 2000 mm (78"), 3000 mm (118"), 4000 mm (157")			
460 mm bed		-	2000 mm (78"), 3000 mm (118"), 4000 mm (157"), 5000 mm (196")			
Headstock	Spindle bore, Dia.	400 mm bed	104 mm (4")		-	
		460 mm bed	-	104 mm (4"), Opt.156 mm (6") A2-11, Opt. 230 mm (9") A2-15 (TK770 / 840 only)		
	Spindle nose	D1-11 or A-11		D1-11 or A-11		
	Spindle speed (rpm)	15-1000, 12 steps	15-1000, 12 steps, Opt. 6" bore: 13-800, 12 steps, 9" bore: 10-600, 12 steps			
	Spindle motor	15 HP	15 HP			
Feed and Threads	Cross slide travel	400 mm bed	300 mm	300 mm	385 mm	-
		460 mm bed	-	385 mm	435 mm	435 mm
	Cross feeds	0.025-0.35 mm / rev (36 kinds)				
	Longitudinal feeds	0.05-0.7 mm / rev (36 kinds)				
	Lead screw diameter	Dia. 45 mm				
	Lead screw pitch	2TPI (inch) or 12 mm(metric)				
	Threading range, inch	2-28 TPI (36 kinds)				
	Threading range, metric	0.8-14 mm (65 kinds)				
	Module pitch threads	0.5-7M (22 kinds)				
	DP. pitch threads	4-56P (36 kinds)				
	Compound rest travel	230 mm (9")				
	Tool size	25 x 25 mm				
	Taper attachment stroke (Opt.)	400 mm (15.7")				
Tailstock	Quill Diameter	400 mm bed	80 mm (3.1")			
		460 mm bed	95 mm (3.7")			
	Quill taper	MT5				
	Quill travel	230 mm (9")				
Miscellaneous	Coolant pump	1/8 HP				

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### STANDARD ACCESSORIES:

- Inch / metric dual gear box
- 4-way toolpost with T slot
- Work light
- Coolant system
- Thread chasing dial
- Cross and Longitudinal rapid travel for 460 mm bed width
- Longitudinal rapid travel for 400 mm bed width
- Longitudinal bar with travel dogs for carriage stop

Sleeve and centers

### OPTIONS:

- Upgrade spindle bore
- Upgrade spindle motor
- Chuck or face plate
- Adaptor for rear chuck
- Front chuck protection cover
- Rear chuck protection cover
- 4-position carriage stop
- Steady rest
- Follow rest
- Rear tool post
- Quick change tool post
- Boring bar tool holder
- Rapid threading attachment (TK770 / 840 only)
- Copy attachment (stroke 120 mm)
- Taper attachment (10 degree, stroke 400 mm)
- Rotating center, MT5
- Full length rear splash guard
- Moveable rear splash guard
- Cross rapid travel for 400 mm bed width
- Magnetic brake for main spindle
- CE mark

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