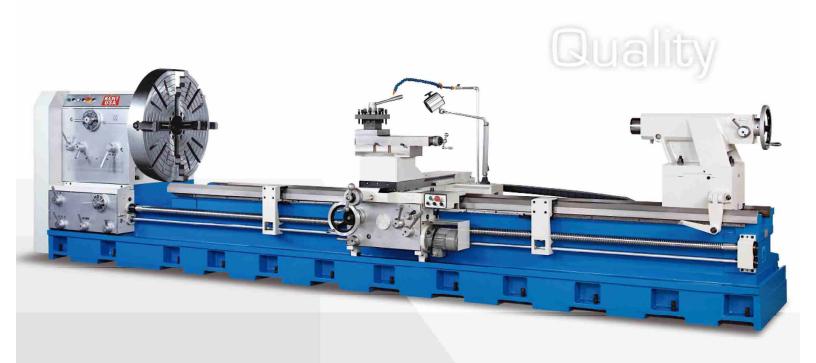


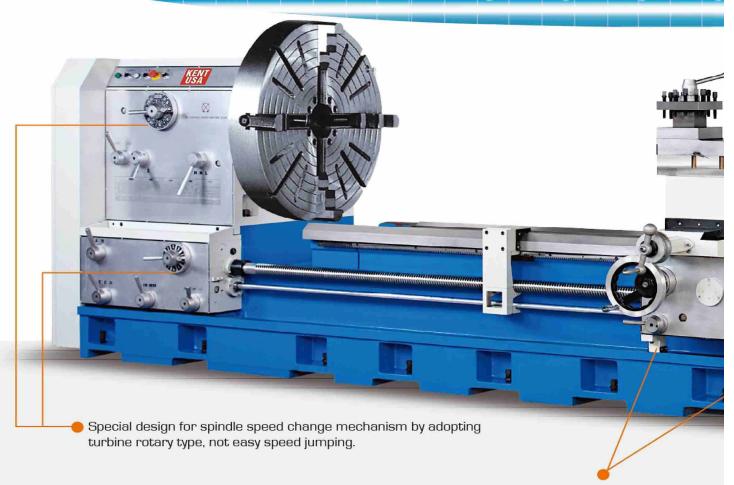
Efficiency

Precision





HL/HK series 37, 44, 44-60 x2000,3000,4000,5000,



Extra 3rd support to be suitable for processing of large work piece and enhanced heavy-duty cutting ability.

SPINDLE BORE: 6", 9", 12"

BED WIDTH: 24" (HL series) / 32" (HK series)

- Swing over bed above 1130~1600 mm is available to be customized on request.
- Distance between centers above 8 meter is available to be customized on request.

FEATURES: It is suitable for turning and cutting of large work piece and steel rod materials for heavy industries like oil pipe network, aerospace and heavy-duty shaft processing.

6000, 7000, 8000



Chuck shown on the picture is optional 4-jaw independent chuck.

photo shown HL-44160

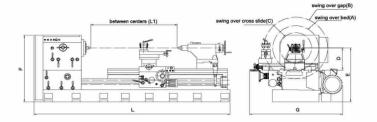


Spindle & headstock

- Bore 6",9",12", turbine speed change mechanism with on easy speed jumping and three-point support for the box.
- Fitted with adjustable, electromagnetic brake for easy braking adjustment according to different work piece materials and speed.
- Gear and shaft are made of super alloy material with bearings to offer durable cutting and low production noise.
- Sealed oil bath lubrication system with enforced oil supply by mechanical pump to achieve better lubrication effects.

LAYOUT

HL/HK	L1	2000	3000	4000	5000	6000	7000	8000
HL	L	4100	5100	6100	7100	8100	9100	10100
HK	L	4740	5740	6740	7740	8740	9740	10740
ITEM	Α	В	С	D	E	F	G	
HL	37	1390	650	480	1165	1460	2050	
HL	44	1550	810	560	1245	1540	2050	
HK	37	1240	550	480	1165	1510	2170	
HK	44	1400	710	560	1245	1590	2170	



SPECIFICATION

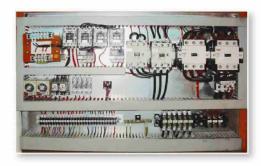
Unit: mm / inch

MODEL / WIDTH OF BED 24" (610) MODEL / WIDTH OF BED 32" (810)			HI	37	HL-44			HL-44-60		
			HI	(-37		HK-44		HK-44-	60	
MODEL			2000	3000	4000	5000	6000	7000	8000	
	Swing over bed		960	(37.8")		1120 (44")		1130 (45")~	1600 (63")	
CAPACITY	ш		650	(25.6")		810 (32")		820 (33")~1	290 (50.8")	
	Swing over cross slide	HK		(21.65")		710 (27.95")		720 (28.35")~	1190 (46.85")	
	Swing over gap	HL		[54.72"]		1550 (61.02")		1560 (62")~2		
	HK		1240 [48.82"] 1400 [55.11"] 1410 [55.51"]							
	Distance between centers		2000 (80")	3000 (120")	4000 (160")	5000 (200")	6000 (240")	7000 (280")	8000 (315")	
BED HL	Height from floor to the	HL-37			-	1165 (45.87")				
DEU HL	spindle center	HL-44				1245 (49.02")				
	Width of bed					610 (24")				
	Midth of any (Coingle I fees)		570 [22.44"]							
	Width of gap (Spindle end face)		actual turning diameter changed by different chuck size							
	Length of bed		3900 (154")	4900 (193")	5900 (232")	6900 (272")	7900 (311")	8900 (350")	9900 (390")	
-	Height from floor to the	HK-37			. , ,	1165 (45.87")		, ,		
HK	spindle center	HK-44				1245 [49.02"]				
	Width of bed					810 (32")				
		784.5 (30.89")								
	Width of gap (Spindle and face)			ac	tual turning diam		different chuck s	size		
	Length of bed		4390 (172.84")	5390 [212.21"]	6390 (251.58")	7390 (290.95")	8390 (330.32")	9390 (369.69")	10390 [409.06"	
IFA DOTOOK	Spindle bore diameter		 	52 (6")	0000 (201.00)	OP: 230 (9")	0000 (000.02)	OP: 305		
EADSTOCK	Spindle nose		10.000.000	The second second		A2-15 / OP: A2-2	n	A2-2		
	Number of spindle speeds		The state of the s						.0	
			16 steps 12 steps 4-420 r.p.m. 7-266 r.p.m.							
	Range of spindle speeds Width of carriage		4-40	o r.p.m.		000 (34 Ell)	7-200 r.p.r	n.		
CARRIAGE HL						800 (31.5")				
	Cross slide travel					600 (23.6")				
	Compound rest travel		370 (14.57°)							
-	Max. size cutting size		40 x 40 (1.57"x1.57")							
HK	Width of carriage					880 (34.65")				
	Cross slide travel					700 (27.56")				
	Compound rest travel	400 (15.75")								
	Max. size cutting size		40 x 40 (1.57"x1.57")							
AILSTOCK	Diameter of barrel	ø115 (4.53") Op. «150 (5.94") / 200 (7.88")								
			OP: ø150 (5.91") / 200 (7.88")							
	Travel of barrel		305 (12")							
	Taper of barrel					MT 6				
		OP: MT 7								
HREADS	Lead screw diameter and p	oitch	Dia.60mm Pitch 12mm / Dia 2.36"x2 T.P.I.							
	Range of metric pitches		1~120mm (62 Nos)							
	Range of inch pitches		0.25-30 T.P.I (70 Nos)							
	Range of diametral pitches		1-120 D.P. (70 Nos)							
	Range of module pitches		0.25~30 M.P. (53 Nos)							
EEDS	Feed rod diameter		32 (1.26")							
LLDO	Range of longitudinal feeds		0.06-7.04 mm / rev (0.0024"-0.28" in/rev)							
	Range of cross feeds		0.03-3.52 mm / rev (0.0012"-0.14" in/rev)							
MOTOR	Main spindle motor		20HP (15KW) for HL-2000~5000							
			30HP (22.5KW) for HL-6000~8000							
			OP: 30HP (22.5KW) / 40HP (30KW) / 50HP (37.5KW)							
	Coolant pump motor		1/8HP (0.1kw)							
	Coolant pump motor					1HP (0.75kw)				
MEASUREMENT .		HL-37	8000/8800	9000/9900	10000/11000	11000/12100	12000/13200	13000/14300	14000/15400	
	COLOR PERSON N	HL-44	8300/9100	9300/10200	10300/11300	11300/12400	12300/13500	13300/14600	14300/15700	
	N.W. / G.W. (approx) kgs	HK-37	9700/10600	10800/11800	11900/13000	13000/12400	14100/15400	15200/16600	16300/17800	
		V	10000/10900	11100/12100	12200/13300	13300/14500	14400/15700	15500/16900	16600/18100	
		HK-44		5100 / 6100 / 7			-		- /	
	HL		4100/						ne i reuj	
	Machine size (LxWxH)	НК	161" / 201" / 240" / 280" / 319" / 358" / 398" X 81" X 58" - 61" 4740 / 5740 / 6740 / 7740 / 9740 / 9740 / 10740 X 2170 X 1510 [HK-960] - 1590 [HK-1120]							
	н		187" / 226" / 265" / 305" / 344" / 383" / 423" X 85" X 60" – 63" [L] 4600 / 5600 / 6600 / 6600 / 9600 / 10600 x [W] 2030 x [H] 2200							
	Shipping dimensions [LxWxH]	HK	(L) 181 "/ 220"/ 260"/ 299"/ 339"/ 378 / 417" "x (W) 80 "x (H) 79 " (L) 5100 / 6100 / 7100 / 8100 / 9100 / 10100 / 11100 x (W) 2140 x (H) 2300							
	Standard color		(L) 201 " / 240" / 280" / 319" / 359" / 398" / 437" " x (W) 84 " x (H) 91 "							
			Upper part :RAL-7035 light gray + lower parts :RAL-5015 blue							

<sup>We reserve the right to modify and improve our products without notice.

Welcome to check with us for other specification and special purpose of functions, which is accepted to be customized.</sup>





Electric component:

20HP/30HP motor, 2 stage safety start-up device and overloading power cut system.





Gear box:

Adopt quick-change universal metric/inch gearbox for inch, metric, DP, MP, threading and multiple threads, all function is reached without any change gear, wide and complete range of threads and operating easily to improve production efficiency.

Apron :

Equipment with rapid feeding, rapid transmission, forward and reverse movement and safety device matched with sealed oil bath auto-lubricating system.

Base:

One piece casting work
with reinforced inner
structure, extra 3rd
support to be suitable for
processing of large work piece
and enhanced heavy-duty cutting
ability.

 The gap part base special with reinforced structure, it is no influence on cutting stability to break the gap for necessary.

Saddle:

Anti-friction processed surface with regular oil injection, lubricated and friction endurable.

Casting:

FC-30 steel are used for main structures like base, spindle, saddle and tailstock, which are annealed and have no deformation.

Processing:

Base, spindle, saddle, dovetail slot surface of cross slide, top slide and tailstock quill are high frequency treated, precision ground for extending service life.

Tailstock:

Two stage feeding device, swing arm movement to have smooth and labor saving operation.

ACCESSORIES



Face plate with 4-jaw 40"



Follow rest



4-jaw independent chuck 40", 50"



3-jaw chuck (strong type)



Steady rest ø16", ø24"



Back splash guard



OP9 Quick change tool post (Standard style)



Quick change tool post (European style)



OP10 CE electric



OP11 Taper turning attachment



Grinder



Longitudinal adjustable position feed stop



Tailstock with quill dia. 150



Boring attachment



Rear tool post

STANDARD ACCESSORIES:

- 1. Lubricating device for headstock
- 2. Spindle motor 20HP
- 3. Electromagnetic brake
- 4. Metric / Inch gear box
- 5. Longitudinal & cross rapid feeding
- 6. Tailstock two steps device
- 7. X,Z-axes auto lubrication system
- 8. X,Z-axes with Turcite-B
- 9. Steady rest ø16"
- 10. Face plate with 4-jaw 40"
- 11. Dead center
- 12. Center Sleeve MT-6
- 13. Toolpost screw wrench
- 14. Level pads
- 15. Tools & Tool Box
- Operation manual

Actual standard accessories shall be subject to the quotation sheet.

OPTIONAL ACCESSORIES:

- 1. Coolant device
- 2. Follow rest
- 3. 4-jaw independent chuck 40", 50"
- 4. 3-jaw chuck (strong type) 20", 25"
- 5. Steady rest ø16", ø24"
- 6. Halogen light
- 7. Digital readout
- 8. Back splash guard
- 9. Quick change tool post (instead of tool post) [standard style] [European style only for 960series]
- 10. CE equipment
- 11. Taper turning attachment
- 12. Grinder
- 13. Hydraulic copy attachment
- 14. Automated rapid tool post
- 15. Longitudinal adjustable position feed stop
- 16. Five position carriage stop
- 17. Tailstock with quill dia. 150 / 200mm
- 18. Tailstock with self-rotary quill
- 19. Boring attachment
- 20. Rear tool post



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