



JESCO MACHINERY LTD.

P.O.BOX 14-9, TAIPING, 411, TAICHUNG, TAIWAN
TEL: 886-4-22702676
FAX: 886-4-22706295
EMAIL: jescomachinery@gmail.com
WEBSITE: www.jesco.com.tw

CONTACT US



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ENC LATHES



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Machine Features:

Headstock

Machines are built with harden/ground gears in headstock, high precision bearing and oil-cooler to provide the highest spindle-speed and high accuracy turning. Machines are equipped automatic spindle-speed change for most efficiency and productivity

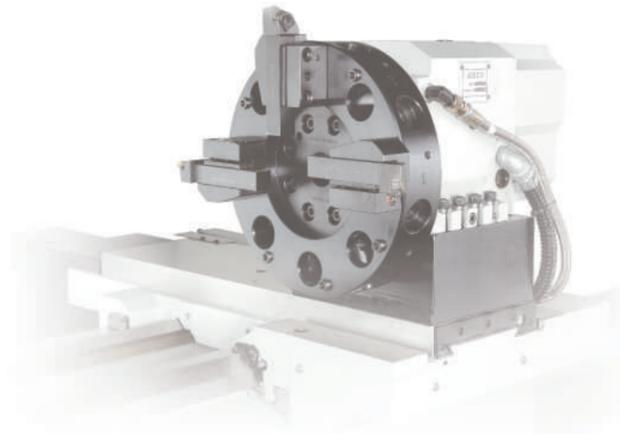
Bed

Machine use high performance cast-iron with harden and ground to ensure high-precision/rigid cutting.

Control Console

The control-console is located on an independent-way to allow moving quickly and effortlessly aside

Removable Handwheel is equipped at side of control-console for convenience and efficiency operating setting



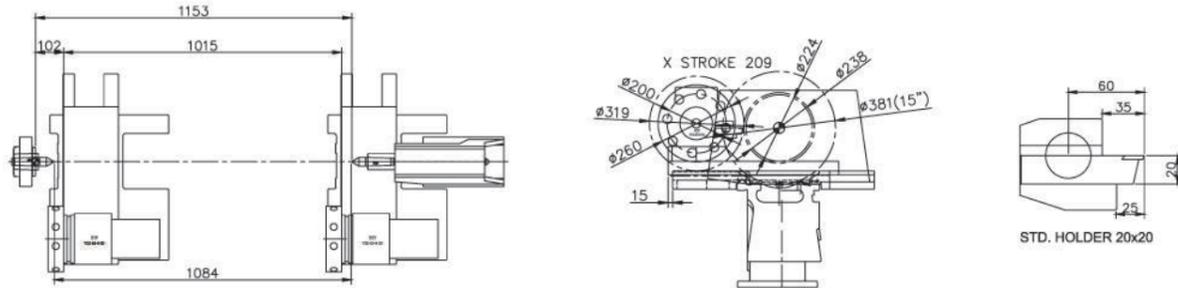
General Information Capacity

- 15 SERIES**
Swing over bed: 390(15.25)
Swing over cross slide: 220(8.6)
Swing in gap: 610(24)
- 18 SERIES**
Swing over bed: 460(18)
Swing over cross slide: 285(11.2)
Swing in gap: 635(25)
- 20-22 SERIES**
Swing over bed: 510(20)/560(22)
Swing over cross slide: 340(13.5)/390(15.5)
Swing in gap: 760(30)/810(32)
- 26-30 SERIES**
Swing over bed: 660(26)/760(30)
Swing over cross slide: 454(18)/556(22)
Swing in gap: 940(37)/1040(40.94)
- 30LS SERIES**
Swing over bed: 800(32)
Swing over cross slide: 628(24)
Swing in gap: 1090(42.91)

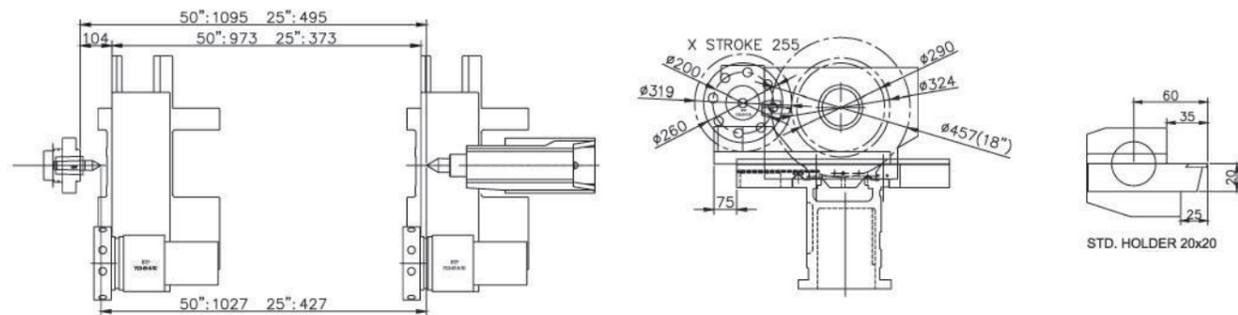


15-18 SERIES

15 - SERIES



18 - SERIES



MACHINE SPECIFICATION

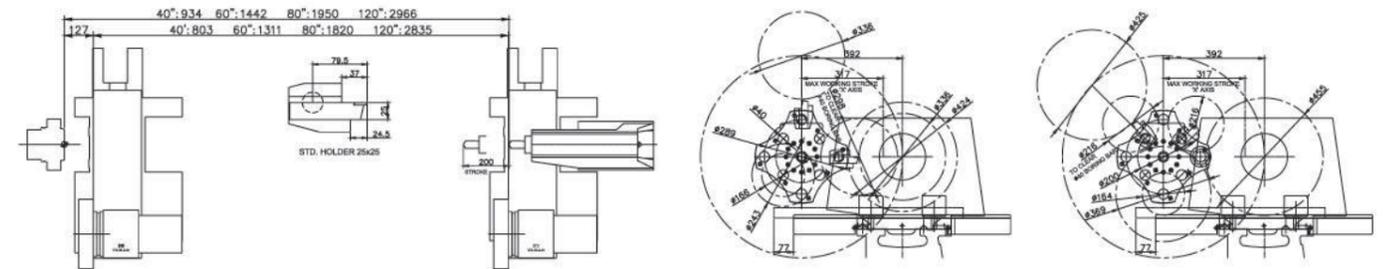
MODEL	1550	1825/1850
CAPACITY		
Swing over bed	390(15.25)	460(18)
Swing over cross slide	220(8.6)	285(11.2)
Swing in gap	610(24)	635(25)
Distance between center	1206(50)	427(17)/1027 (40)
Gap width from faceplate	150(6)	165(6.5)
HEADSTOCK		
Spindle nose	D1-6(A2-6)	
Spindle bore	54(2.125)	54(2.125)
Spindle Bearing	Front: 32218	NN3019KR
	Rear: 32215	7016DB
Spindle speeds:	Low range: ----	13-392
	Medium range: ----	391-1135
	High range: 60-3000	1136-3500
Spindle nose bush	MT6 x MT4	

TAILSTOCK		
Quill travel	155(6.125)	140(5.5)
Quill diameter	58.5(2.3)	73(2.87)
Quill taper	MT4	MT5
BED		
Bed width	270(11)	318(12.5)
Max. longitudinal travel	420(16)/920(36)	300(12)/900(35)
Max. turning length	370(14)/870(34)	260(10.2)/860(33.8)
BALLSCREW		
X-Axis Ballscrew Dia.	20 x P5	
Z-Axis Ballscrew Dia.	32 x P5	
GENERAL INFORMATION		
Overall length	2830(121)/3330(131)	2730(107)/3330(131)
Overall width	2250(88)	
Overall height	2150(85)	
Net weight (Approx. kgs)	1500/1800	2000/2200
Gross weight (Approx. kgs)	2000/2300	2400/2700

* The above specification subject to change without prior notice

Unit: mm(inch)

20-22 SERIES



MACHINE SPECIFICATION

MODEL	2040/2060/2080/20120	2240/2260/2280/22120
CAPACITY		
Swing over bed	510(20)	560(22)
Swing over cross slide	340(13.5)	390(15.5)
Swing in gap	760(30)	810(32)
Distance between center	934(40)/1442(60)/1950(80)/2966(120)	
Gap width from faceplate	230(9)	
HEADSTOCK		
Spindle nose	D1-8(A2-8)	
Spindle bore	80(3.125)	
Spindle Bearing	Front: 32026	
	Rear: 32021	
Spindle speeds:	Low range: 26-266	26-266
	Medium range: 267-766	267-766
	High range: 767-2400	767-2400
Spindle nose bush	MT7 x MT5	

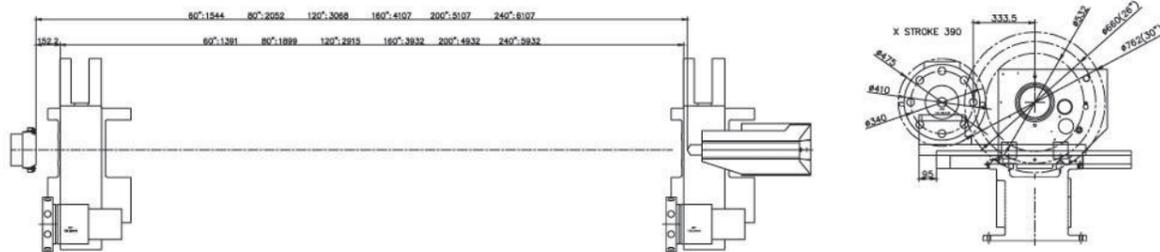
TAILSTOCK	
Quill travel	200(8)
Quill diameter	75(3)
Quill taper	MT5
BED	
Bed width	345(13)
Max. longitudinal travel	680(26.8)/1190(46.8)/1700(67)/2710(106.7)
Max. turning length	630(24.8)/1140(44.8)/1650(65)/2660(104.7)
BALLSCREW	
X-Axis Ballscrew Dia.	25 x P5
Z-Axis Ballscrew Dia.	40 x P10
GENERAL INFORMATION	
Overall length	2970(117)/3670(145)/4170(164)/5170(204)
Overall width	2100(83)
Overall height	2230(88)
Net weight (Approx. kgs)	2600/2800/3000/3800 2700/2900/3200/4000
Gross weight (Approx. kgs)	3200/3400/3600/4600 3500/3700/4000/4800

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Unit: mm(inch)

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26-30 SERIES



MACHINE SPECIFICATION

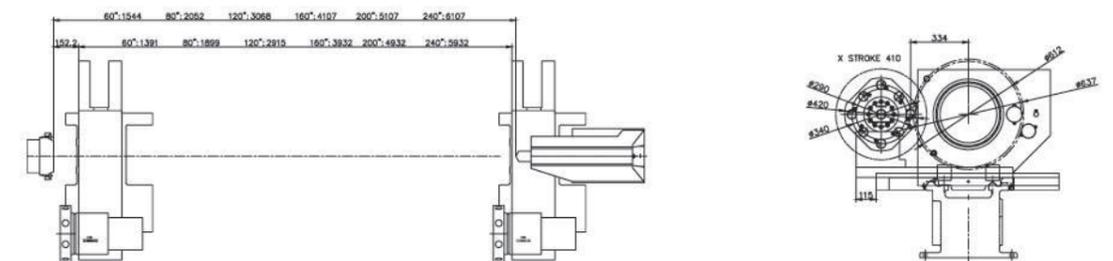
MODEL	2660/2680/26120/ 26160/26200/26240		3060/3080/30120/ 30160/30200/30240	
CAPACITY				
Swing over bed	660(26)		760(30)	
Swing over cross slide	454(18)		556(22)	
Swing in gap	940(37)		1040(40.94)	
Distance between center	1500(60)/2000(80)/3000(120)/ 4000(160)/5000(200)/6000(240)			
Gap width from faceplate	300(11.8)			
HEADSTOCK				
Spindle nose	A2-11	A2-11	A2-11	A2-11
Spindle bore	104	155-OPT.	105	155-OPT.
Spindle speeds	Low range	26-224	30-172	26-224
	Medium range	225-670	173-517	225-670
	High range	671-2000	518-1400	671-2000
Spindle nose bush	MT8 x MT6	-----	MT8 x MT6	-----

TAILSTOCK	
Quill travel	300(12)
Quill diameter	105(4.125)
Quill taper	MT6
BED	
Bed width	480(18.9)
Max. longitudinal travel	1190(46.8)/1700(67)/2710(106.7)/ 3730(146.8)/4730(186.8)/5730(226.8)
Max. turning length	1140(44.8)/1650(65)/2660(104.7)/ 3680(144.8)/4680(184.8)/5680(224.8)
BALLSCREW	
X-Axis Ballscrew Dia.	32 x P5
Z-Axis Ballscrew Dia.	50 x P10
GENERAL INFORMATION	
Overall length	4200(165)/4700(185)/5700(224)/ 6700(264)/7700(304)/8700(344)
Overall width	2250(88)
Overall height	2260(88)
Net weight (Approx. kgs)	4300/4800/6000/ 7000/8400/9600
	4500/5000/6200/ 7400/8600/9800
Gross weight (Approx. kgs)	4900/5500/6800/ 8200/9400/10600
	5100/5700/7000/ 8400/9600/10800

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Unit: mm(inch)

30LS SERIES



MACHINE SPECIFICATION

MODEL	3060LS/3080LS/30120LS 30160LS/30200LS/30240LS			
CAPACITY				
Swing over bed	800(32)			
Swing over cross slide	608(24)			
Swing in gap	1090(42.91)			
Distance between center	1500(60)/2000(80)/3000(120)/ 4000(160)/5000(200)/6000(240)			
Gap width from faceplate	300(11.8)			
HEADSTOCK				
Spindle nose	A2-11	A2-11	A2-15	
Spindle bore	104	155	230	
Spindle speeds:	Low range	26-224	30-172	4-73
	Medium range	225-670	173-517	74-200
	High range	671-2000	518-1400	201-600
Spindle nose bush	MT8 x MT6	-----	-----	

TAILSTOCK	
Quill travel	300(12)
Quill diameter	105(4.125)
Quill taper	MT6
BED	
Bed width	480(18.9)
Max. longitudinal travel	1190(46.8)/1700(67)/2710(106.7)/ 3730(146.8)/4730(186.8)/5730(226.8)
Max. turning length	1140(44.8)/1650(65)/2660(104.7)/ 3680(144.8)/4680(184.8)/5680(224.8)
BALLSCREW	
X-Axis Ballscrew Dia.	32 x P5
Z-Axis Ballscrew Dia.	50 x P10
GENERAL INFORMATION	
Overall length	4200(165)/4700(185)/5700(224)/ 6700(264)/7700(304)/8700(344)
Overall width	2250(88)
Overall height	2260(88)
Net weight (Approx. kgs)	5000/5500/6700/7900/9100/10300
Gross weight (Approx. kgs)	5600/6200/7500/8900/10100/11300

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Unit: mm(inch)

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32-40 SERIES



MODEL	3280/32120/32160/32200/32240			4080/40120/40160/40200/40240			
CAPACITY							
Swing over bed	800mm			1000mm			
Swing over cross slide	510mm			710mm			
Swing in gap	1100mm			1300mm			
Center height	400mm			500mm			
Distance between center	2000mm(80")/3000mm(120")						
	4000mm(160")/5000mm(200")/6000mm(240")						
HEADSTOCK							
Spindle bore	155mm	250mm	305mm	155mm	250mm	305mm	380mm
Spindle nose	A2-11	A2-15	A2-20	A2-11	A2-15	A2-20	A2-20
Spindle range	3	3	3	3	3	3	3
Spindle speed (rpm)	1-range	9-170	4-73	4-73	9-170	4-73	4-73
	2-range	171-470	74-200	74-200	171-470	74-200	74-200
	3-range	471-1400	201-600	201-600	471-1400	201-600	201-600
BALLSCREW							
Z axis ball screw	Ø63 x P10						
X axis ball screw	Ø40 x P5						
CARRIAGE							
Cross slide width	300mm						
Cross slide travel	500mm						
BED							
Bed width	560mm						
Z axis travel	1820/2820/3820/4820/5820 mm						
TAILSTOCK							
Quill taper	MT6						
Quill diameter	125mm						
Quill travel	275mm						

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Unit: mm(inch)



High Precision

Equipped with a high-rigidity structure and precision spindle design to ensure stable accuracy and excellent repeatability, meeting the demands of high-precision components.



Automated

Controlled by an advanced CNC system, enabling automatic multi-process machining, significantly improving productivity while reducing human error.



Multi-Function

Capable of combining turning, drilling, tapping, and other processes in one setup, minimizing machine changeover and increasing overall production efficiency.



Stable Construction

Built with a high-rigidity base and premium casting structure to reduce vibration and thermal deformation, ensuring consistent performance during long operating hours.

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Machine Feature:

HS-ENC Lathe

NEW ENC Lathe with new developed headstock to with highest spindle-speed

Spindle

Cartridge-Type Spindle is run in high accuracy double roller bearings combined with angular contact ball bearings, exhibiting superior axial and radial thrust capacity. The high precision spindle is excellent for high precision machining at high speed while generating minimum heat

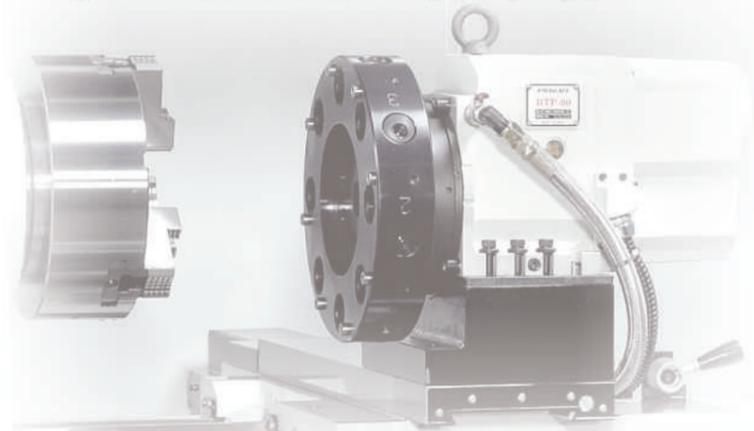
The cartridge-type spindle also is easy to remove for convenience maintenance

C-Axis option

The new developed headstock is allowing programmed selection of C-Axis drive & milling/drilling cycles to be achieved with driving-turret

Y-Axis option

Y-Axis Function (HS-30 only) allow to milling for the accurate machining of keyways, flat and contoured surface



General Information Capacity

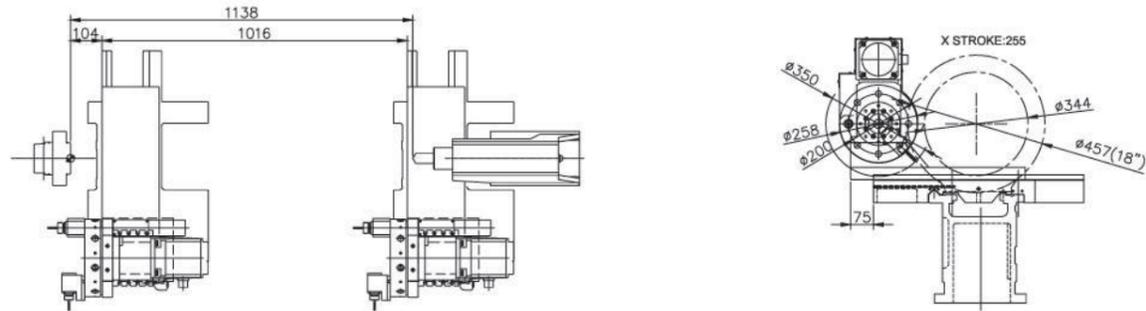
- HS-18 SERIES**
Swing over bed: 460(18)
Swing over cross slide: 285(11.2)
Swing in gap: 635(25)
- HS-22 SERIES**
Swing over bed: 560(22)
Swing over cross slide: 390(15.5)
Swing in gap: 810(32)
- HS-30 SERIES**
Swing over bed: 760(30)
Swing over cross slide: 556(22)
Swing in gap: 1040(40.94)



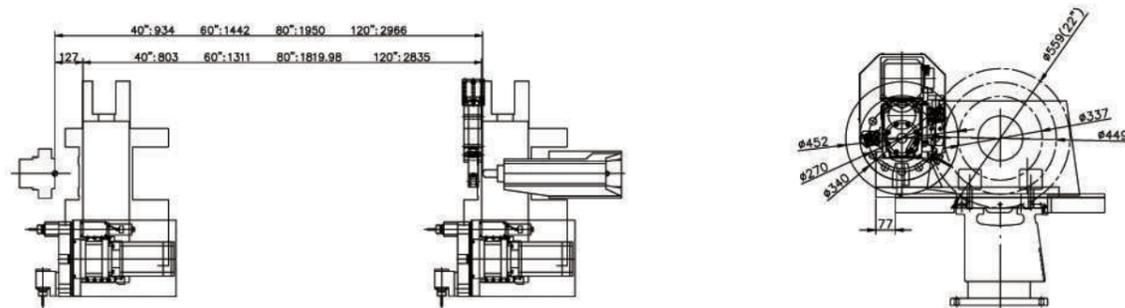
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HS18-22 SERIES

HS 18 - SERIES



HS 22 - SERIES



MACHINE SPECIFICATION

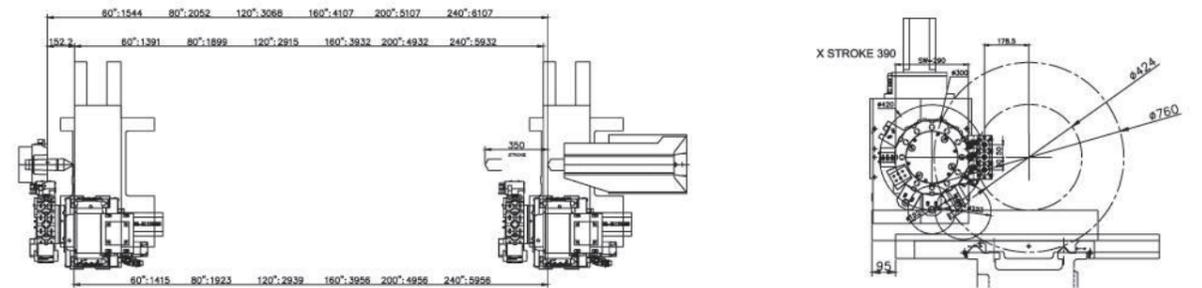
MODEL	HS-1825/1850	HS-2240/2260/ 2280/22120
CAPACITY		
Swing over bed	460(18)	560(22)
Swing over cross slide	285(11.2)	390(15.5)
Swing in gap	635(25)	810(32)
Distance between center	427(17)/1027 (40)	934(40)/1442(60)/ 1950(80)/2966(120)
Gap width from faceplate	165(6.5)	230(9)
HEADSTOCK		
Spindle nose	A2-6	A2-8
Spindle bore	62mm	87mm
Spindle Bearing	Front: NN3020KR	Front: NN3024KR
	Rear: NN3018KR	Rear: NN3022KR
Spindle speeds: Low range	0-4500rpm	0-3500rpm

TAILSTOCK		
Quill travel	140(5.5)	200(8)
Quill diameter	73(2.87)	75(3)
Quill taper	MT5	MT5
BED		
Bed width	318(12.5)	345(13)
Max. longitudinal travel	300(12)/900(35)	680(26.8)/1190(46.8)/ 1700(67)/2710(106.7)
Max. turning length	260(10.2)/860(33.8)	630(24.8)/1140(44.8)/ 1650(65)/2660(104.7)
BALLSCREW		
X-Axis Ballscrew Dia.	20 x P5	25 x P5
Z-Axis Ballscrew Dia.	32 x P5	40 x P10
GENERAL INFORMATION		
Overall length	2730(107)/3330(131)	2970(117)/3670(145)/ 4170(164)/5170(204)
Overall width	2250(88)	2100(83)
Overall height	2150(85)	2230(88)
Net weight (Approx. kgs)	2000/2200	2700/2900/3200/4000
Gross weight (Approx. kgs)	2400/2700	3500/3700/4000/4800

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Unit: mm(inch)

HS30 SERIES



MACHINE SPECIFICATION

MODEL	HS-3060/3080/30120/30160/30200/30240
CAPACITY	
Swing over bed	760(30)
Swing over cross slide	556(22)
Swing in gap	1040(40.94)
Distance between center	1500(60)/2000(80)/3000(120)/ 4000(160)/5000(200)/6000(240)
Gap width from faceplate	300(11.8)
HEADSTOCK	
Spindle nose	A2-11
Spindle bore	155mm
Spindle Bearing	Front: NN3036KR
	Rear: NN3040KR
Spindle speeds: Low range	0-2000rpm

TAILSTOCK	
Quill travel	300(12)
Quill diameter	105(4.125)
Quill taper	MT6
BED	
Bed width	480(18.9)
Max. longitudinal travel	1190(46.8)/1700(67)/2710(106.7)/ 3730(146.8)/4730(186.8)/5730(226.8)
Max. turning length	1140(44.8)/1650(65)/2660(104.7)/ 3680(144.8)/4680(184.8)/5680(224.8)
BALLSCREW	
X-Axis Ballscrew Dia.	32 x P5
Z-Axis Ballscrew Dia.	50 x P10
GENERAL INFORMATION	
Overall length	4200(165)/4700(185)/5700(224)/ 6700(264)/7700(304)/8700(344)
Overall width	2250(88)
Overall height	2260(88)
Net weight (Approx. kgs)	5000/5500/6700/7900/9100/10300
Gross weight (Approx. kgs)	5600/6200/7500/8900/10100/11300

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Unit: mm(inch)