KAAST

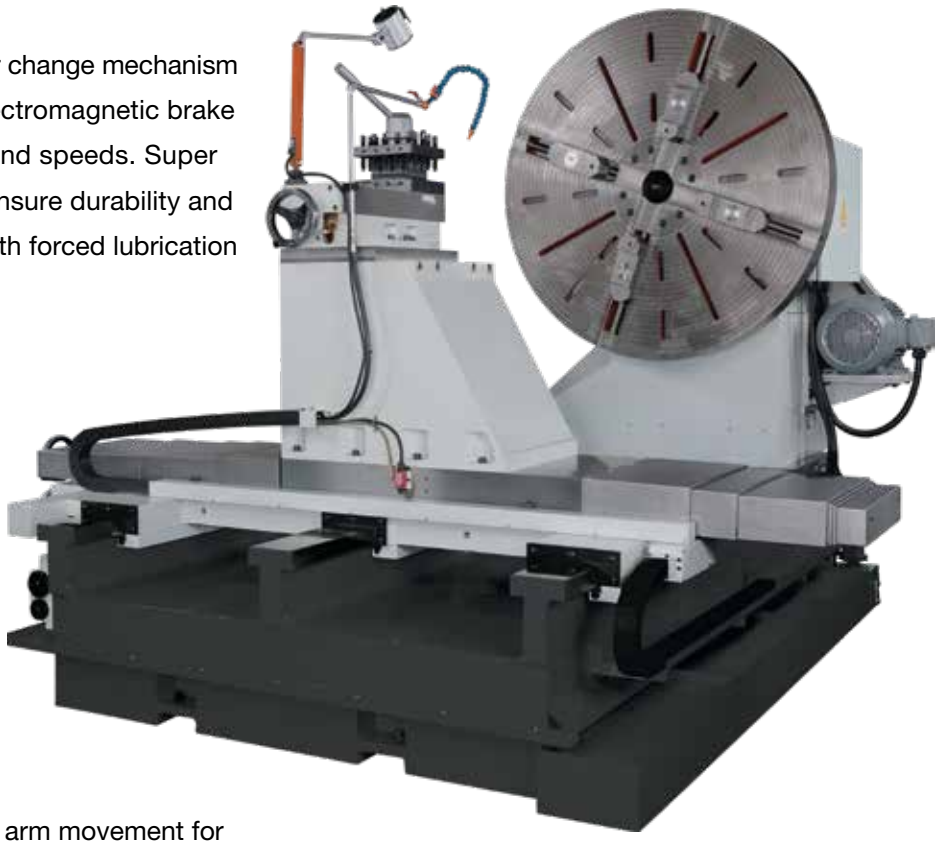
D-Turn Face

1500 | 2000 | 2500

Heavy Duty Facing Lathe, 60'' to 100'' Swing

SPINDLE

Features a 152 mm bore and a 16-step gear change mechanism for flexible speed control. An adjustable electromagnetic brake allows easy tuning for different materials and speeds. Super alloy gears and shafts with FAG bearings ensure durability and low noise, while a sealed oil bath system with forced lubrication maintains smooth operation.



APRON FEEDING DEVICE

Swift transmission, positive and negative rotation movement, safety device with sealed oil bath lubrication and cross rapid feeding.

SADDLE

Anti-friction surface with regular oil injection lubrication.

TAILSTOCK

Two stage infeed device and smooth swing arm movement for labor saving operation.

ELECTRICAL CONTROL

20 Hp motor, 2 stage safety start-up device and overloading safety system.

CASTINGS

FC-30 steel is used for main structures like base, spindle, saddle and tailstock, which are annealed without deformation.

PROCESSING

Base, spindle, saddle, surface of traveling plate, tool base sliding table and tail stock are high frequency treated and precision ground for extended service life.

BASE

One piece casting with reinforced inner structure. Extra 3rd support processes large work pieces with enhanced heavy-duty cutting ability. Base gap has a special reinforced structure for cutting stability.

STANDARD CONFIGURATION

- Headstock Lubricating Device
- 30 Hp Spindle Motor
- Electromagnetic Spindle Brake
- Metric / Inch Gearbox
- Longitudinal & Cross Rapid Feed
- Automatic Lubrication
- X/Z-Axes with Turcite-B
- Faceplate with 4 Jaws
- Dead Center (2 pcs)
- Center Sleeve
- Leveling Pads
- Tool Kit

OPTIONAL CONFIGURATION

- Tailstock
- Face Plate with 4-Jaw 70”
- Coolant System
- 230 mm (9”) Spindle Bore
- A2-15 or A2-20 Spindle Nose

*The above specifications are subject to change without prior notice. No liability for printing mistakes. Machine may be shown with optional equipment.

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This D-Turn lathe is designed for precision turning and cutting of large workpieces in heavy industries. Key features include a high-performance **spindle**, **apron feeding system**, robust **saddle** and **tailstock**, advanced **electrical controls**, and heavy **cast iron components**—all built on a rigid base for maximum stability and durability.

D-Turn Face		1500	2000	2500
		60” Swing, 40” Length	80” Swing , 40” Length	100” Swing , 40” Length
Swing over Bed	mm	Ø1500 (59”)	Ø2000 (79”)	Ø2500 (98”)
Swing over Carriage	mm	Ø1100 (43”)	Ø1600 (63”)	Ø2100 (83”)
Distance Between Centers	mm		1000 (39”)	
Swing over Gap	mm	1900 (75”)	2400 (94”)	2900 (114”)
Bed Width	mm		2010 (79”)	
Bed Length	mm	1150 (45”)	1650 (65”)	2150 (85”)
Bed Way			3 Ways	
Spindle Bore Diameter	mm		Ø152 (6”) [Opt. Ø230 (9”)]	
Number of Spindle Speeds			16 Steps	
Speeds	rpm		4–420	
Chuck Mount			A2-11 [Opt. A2-15, A2-20]	
Compound Travel	mm		370 (14.5”)	
Max. Cutting Size	mm		40x40 (1.5x1.5”)	
Lead Screw Diameter & Pitch	mm		Dia: 60, Pitch: 12 / Dia: 1” X 2T.P.I.	
Threading: Metric	mm		1–120 (62)	
Threading: Inches	inch		0.25–30 T.P.I (70)	
Threading: Diametral			1–120 DP (70)	
Threading: Module			0.25–30 MP (53)	
Feed Rod Diameter	mm		Ø32 (1.25”)	
Range of Longitudinal Feeds	mm/rev		0.06–7.04 (0.0024–0.28” in/rev)	
Range of Cross Feeds	mm/rev		0.03–3.52 (0.0012–0.14” in/rev)	
Main Spindle Motor	kW		22 (30 Hp)	
Item No.		1630190	1630191	1630192

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