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**ACRA FEL-16X40 CNC TEACH LATHE**



**DESCRIPTION:**

The ACRA FEL-1640 and FEL-1660 CNC Lathes are versatile Teach type CNC flat bed Lathes with Manual, Conversational, Teach, and CNC operating modes, ANILAM 4200 or FANUC 20/ CNC Control. The bed features a rugged MEEHANITE casting, with thick widely spaced cross supports and induction hardened ground ways for accuracy and rigidity. Coolant system with removable tank is standard. Precision ground Ballscrews are driven by AC digital servo motors. The spindle is driven through a 2-speed gearbox by an infinitely variable AC inverter and includes constant surface speed and threading functions.

This machine will be useful on day #1 with any level of operator, for production or prototype. It can be operated manually with jog joysticks and MPG hand wheels, Teach and Repeat, user interactive Conversational, or full blown CNC G-Code / M-Function with macros. Some models include a Part Shape program generator, with graphics display.

**STANDARD ACCESSORIES:**

- Anilam 4200T Control
- Toolset & Box
- Machine Light
- Operation Manual & Parts List

**OPTIONAL ACCESSORIES:**

- 12" Face Plate
- 4-Station Electrical Turret
- 5C Collet Closer
- Quick Change Tool Post
- 7.5 HP Motor

SPECIFICATIONS		FEL-1640 / 1660 CNC
CAPACITY	Swing Over Bed	16"
	Swing Over Cross Slide	9.05"
	Distance Between Centers	40" / 60"
	Width Of Bed	10.24"
SPINDLE	Bar Capacity	2"
	RPM, Low Gear	25~480
	RPM, High Gear	481~3,000
	Spindle Nose	D1-6 Camlock
	Motor	5 HP (7.5 HP Opt.)
	Taper	MT #6
GEARBOX	Gear Range	2
	Gear Material	Alloy Steel SCM-21(8620) Gear
	Type	Hardened, Precision Ground
AXES	Travel ( X / Z )	8.07" / 37"
	Rapid ( X / Z )	196 IPM / 295 IPM
	Axis Motor ( X / Z )	1.34 HP / 2 HP
TAILSTOCK	Quill Taper	MT #4
	Quill Diameter	2.28"
	Quill Stroke	5.5"
	Tailstock Interference Limit Switch	Yes
MOTOR	Ways	Box, 58-62 HRC
	Weight	4410 LBS / 4800 LBS
	Power	7.5 KVA
	Control	Anilam 4200T
	Footprint (L x W x H)	88" x 51" x 79