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**ACRA FEL-22-26 ENC CNC TEACH LATHES**



**DESCRIPTION:**

The ACRA FEL-22 And FEL-26 Series CNC Lathes Are Versatile Teach Type CNC Flat Bed Lathes With Manual, Conversational, Teach, And CNC Operating Modes. The Bed Features A Rugged Meehanite Casting, With Widely Spaced Cross Supports And Induction Hardened Ground Ways For Accuracy And Rigidity. Coolant System With Removable Tank Is Standard. Precision Ground Ball Screws Are Driven By AC Digital Servo Motors. The Spindle Is Driven Through A 2-Speed Gearbox By An FANUC AC Digital Drive 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 And Graphics Display.

**STANDARD ACCESSORIES:**

- CNC Controller
- RS-232 Terminal Interface Port
- M.P.G (Electronic Hand-Wheel) 2 PCS
- Working Lamp
- Automatic Lubrication System
- Alarm Lamp For Abnormal Situation
- Safety Sliding Door
- Dead Center
- Center Sleeve
- Coolant System
- Leveling Bolts
- 4 Way Tool Post
- Operational Manual For Machine And Controller
- Leveling Bolt And Pads
- Tool Box And Necessary Tools

**OPTIONAL ACCESSORIES:**

- H4 Turret
- Quick Change Tool Post
- Vertical Octagon Turret
- 3-Jaws Hydraulic Chuck
- Driven Tool System + H4 Turret
- Steady Rest
- 3 Jaw Scroll Chucks (Manual)
- 4 Jaw Scroll Chuck (Manual)
- 4 Jaw Independent Chuck (Manual)
- Steady Rest
- Follow Rest
- External Long Nose Live Centers (Skoda-Czech)
- Interchangeable Insert Live Center (Skoda-Czech)
- Bull Nose Live Center (Skoda-Czech)

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SPECIFICATIONS		FEL-2233/2257/2288 ENC	FEL-2633/2657/2688 ENC
CAPACITY	Swing Over Bed	22"	26"
	Swing Over Cross Slide	12.4"	16"
	Between Centers	35" / 57" / 88"	35" / 57" / 88"
	Width of Bed	15.75"	15.75"
SPINDLE	Bore	4"	4"
	RPM, Low Gear	10 - 460	10 - 460
	RPM, High Gear	460 – 2,000	460 – 2,000
	Nose	A2-8	A2-8
	Taper	MT #7	MT #7
	Motor (30 min)	15 HP	15 HP
GEARBOX	Gear Range	2	2
	Gear Material	Alloy Steel SCM-21(8620)	Alloy Steel SCM-21(8620)
	Gear Type	Hardened, Precision Ground	Hardened, Precision Ground
AXES	X Travel	13.8"	13.8"
	Z Travel	33.5" / 57.5" / 89"	33.5" / 57.5" / 89"
	X/Z Rapid	393 IPM	393 IPM
	X Axis Motor	1.2 HP	1.2 HP
	Z Axis Motor	1.8 HP	1.8 HP
ACCURACIES	X Positioning	0.0002" / 4"	0.0002" / 4"
	Z Positioning	0.0002" / 4"	0.0002" / 4"
	Repeatability	± 0.0001"	± 0.0001"
TAILSTOCK	Quill Stroke	5"	5"
	Quill Diameter	2.9"	2.9"
	Quill Taper	MT #5	MT #5
	Tailstock Interference Limit Switch	Yes	Yes
OVERVIEW	Ways	Box, 56-58 HRC	Box, 56-58 HRC
	Power	20 KVA	20 KVA
	Control	FANUC 20TA	FANUC 20TA
	Net Weight	6,950 / 7,610 / 8,380 LBS	7,060 / 7,720 / 8,490 LBS
	Length	114" / 138" / 170"	114" / 138" / 170"
	Width	72"	72"
	Height	75"	75"

**NOTE:** The manufacturer reserves the right to modify the design, specifications, & mechanisms to improve the performances of the machines without notice. All specifications above are for your reference only.