

ACRA FEL-1740/1760ENC CNC TEACH LATHE



DESCRIPTION:

The ACRA FEL-1740 And FEL-1760 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 Thick 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 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 Job 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:

- Automatic Lubrication For All Slide Ways And Ball Screws
- Up-To-Date Fabricated Sliding Door And Inspection Window
- Steady Rest
- 4 Way Tool Post
- Halogen Working Light
- Coolant System
- RS-232 Port
- Centers And Sleeve
- Tools And Tool Box
- Leveling Block And Bolts
- Own Operation, Programming manual And Spare Parts List

OPTIONAL ACCESSORIES:

- 3 Jaw Scroll Chuck
- 4 Jaw Scroll Chuck
- 4 Jaw Independent Chuck
- Follow Rest
- Face Plate
- Quick Change Toolpost
- Long Nose Live Center (Skoda or Taiwan)
- 5C Collet Closer With Collets (3~40mm)
- Interchangeable Insert Live Center
- 10 HP Spindle Motor

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SPECIFICATIONS		FEL-1740 ENC	FEL-1760 ENC
CAPACITY	Swing Over Bed	17"	17"
	Swing Over Cross Slide	10.9"	10.9"
	Between Centers	40"	60"
	Width Of Bed	12"	12"
SPINDLE	Bar Capacity	2"	2"
	RPM, Low Gear	30 - 400 RPM	30 - 400 RPM
	RPM, High Gear	400 - 2,800	400 - 2,800
	Nose	D1-6	D1-6
	Motor	7.5 Hp (10 HP Opt.)	7.5 Hp (10 HP Opt.)
	Taper	MT #6	MT #6
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	9.5"	9.5"
	Z Travel	37"	57"
	X Rapid	314 IPM	314 IPM
	Z Rapid	472 IPM	472 IPM
	X Axis Motor	1.34 HP	1.34 HP
	Z Axis Motor	2 HP	2 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 Taper	MT #4	MT #4
	Quill Diameter	2.32"	2.32"
	Quill Stroke	5"	5"
	Tailstock Interference Limit Switch	Yes	Yes
OVERVIEW	Ways	Box, 58-62 HRC	Box, 58-62 HRC
	Net Weight	4,410 LBS	4,960 LBS
	Shipping Weight	5,510 LBS	6,060 LBS
	Power	7.5 KVA	7.5 KVA
	Control	FANUC 20TA or Anilam 4200T	FANUC 20TA or Anilam 4200T
	Footprint (L x W x H)	88" x 51" x 79"	108" x 51" x 79"

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.