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ACRA FEL-2100 CNC TEACH LATHES



DESCRIPTION:

The ACRA FEL-2100 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 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:

- CNC Control
- M.P.G.
- Working Light
- 4 Way Toolpost
- Automatic Lubricating System
- Leveling Bolts & Pad
- Operation Manuals & Spare Parts List
- Tool & Toolbox

OPTIONAL ACCESSORIES:

- H4 Turret
- H6 Turret
- V6/V8 Turret
- 3 Jaw Scroll Chuck 315mm (12")
- 3 Jaw Scroll Chuck 250mm (10")
- 4 Jaw Independent Chuck 400mm (16")
- 4 Jaw Independent Chuck 320mm (12")
- Steady Rest-Roller Bearing Type 25~203mm (1"~8")
- Steady Rest-Roller Bearing Type 50~304mm (2"~12")
- Follow Rest-Roller Bearing Type 25~203mm (1"~8")
- Follow Rest-Roller Bearing Type 50~304mm (2"~12")
- Extended Long Nose Live Center MT No.5
- Interchangeable Live Center MT. No. 5
- Bull Nose Live Center MT No. 5
- Hydraulic Chuck 3 Jaw 250/315mm (10"/12")
- Hydraulic Tailstock-Quill

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SPECIFICATIONS		FEL-2140	FEL-2160	FEL-2180	FEL-21120
CAPACITY	Swing Over Bed	21"	21"	21"	21"
	Swing Over Cross Slide	13.39"	13.39"	13.39"	13.39"
	Between Centers	40"	60"	80"	120"
	Width Of Bed	13 -1/2"	13 -1/2"	13 -1/2"	13 -1/2"
SPINDLE	Bar Capacity	2"	2"	2"	2"
	Speed	4 Torque Range 20-2,000 RPM M-Code Automatic			
	Nose	D1-8	D1-8	D1-8	D1-8
	Motor	15 HP	15 HP	15 HP	15 HP
	Taper	MT #7	MT #7	MT #7	MT #7
AXES	X Travel	11"	11"	11"	11"
	Z Travel	32"	52"	72"	112"
	X Rapid	325 IPM	325 IPM	325 IPM	325 IPM
	Z Rapid	650 IPM	650 IPM	650 IPM	650 IPM
ACCURACIES	X Positioning	0.0005" Full Travel	0.0005" Full Travel	0.0005" Full Travel	0.0005" Full Travel
	Z Positioning	0.0005" Full Travel	0.0005" Full Travel	0.0005" Full Travel	0.0005" Full Travel
	Repeatability	± 0.0002"	± 0.0002"	± 0.0002"	± 0.0002"
TAILSTOCK	Quill Taper	MT #5	MT #5	MT #5	MT #5
	Quill Diameter	2 -15/16"	2 -15/16"	2 -15/16"	2 -15/16"
	Quill Stroke	7"	7"	7"	7"
OVERVIEW	Net Weight	8926 LBS	9698 LBS	10,580 LBS	13,886 LBS
	Control	Anilam 4,200T	Anilam 4,200T	Anilam 4,200T	Anilam 4,200T
	Height	58 - 1/2"	58 - 1/2"	58 - 1/2"	58 - 1/2"
	Width	10 - 3/4"	10 - 3/4"	10 - 3/4"	10 - 3/4"
	Length	82 -1/2"	112 -1/2"	132 -1/2"	172 -1/2"

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.