



www.standardmodernlathes.com
Manufactured by Racer Machinery International Inc.
1-888-514-1661

CNC FLAT BED LATHE F SERIES



*MODEL SHOWN IS FOR ILLUSTRATION PURPOSES ONLY.
ACTUAL PRODUCT MAY VARY DUE TO PRODUCT ENHANCE-
MENT.

The CNC Flat Bed Lathe by Standard Modern has an established reputation throughout North America in toolrooms, workshops and schools across the continent.

Standard Modern lathes stand for:

- » Quality
- » Reliability
- » Versatility



FEATURES

- » HARDENED AND GROUND BEDWAYS
- » HAND SCRAPED SURFACES
- » POSITIVE HEADSTOCK TO BED "V" POSITIONING
- » THREE POINT HIGH PRECISION SPINDLE ROLLER BEARINGS
- » HEAVY DUTY CAMLOCK SPINDLE
- » HIGH PRECISION AND DYNAMICALLY BALANCED SPINDLE
- » HARD AND GROUND PRECISION "X" & "Z" BALL SCREWS
- » USER FRIENDLY HIGH PERFORMANCE CNC CONTROL
- » SHOP TURN PROGRAMMING



MACHINE

F-20

Swing over bed	20" (500mm)
Swing over cross-slide	12" (305mm)
Distance between centers	60"/80"/120" (1500mm/2000mm/3000mm)
Voltage	460V / 3 Phase

HEADSTOCK

Spindle Nose	D1-11
Spindle Bore	4.06" (103.1 mm)
Spindle Speed - H/L r.p.m	40-2250
Spindle drive	20 HP
Bar Capacity	4.00" (101.6mm)

AXIS

Cross-Slide Travel (X-Axis)	12" (305mm)
Longitudinal Travel (Z-Axis)	52"/72"/112" (1320mm/1830mm/2850mm)
Maximum Rapid Feed (X, Z Axis)	200
Positioning	.00025 (0.006)
Repeatability	.0002 (0.005)

TAILSTOCK

Quill diameter	2.95" (75mm)
Quill Taper	#5 M. T
Quill Stroke	7" (175mm)

SHIPPING DATA

Weight net lbs./kg.	5600,7200,8700lbs (2540,3265,394kgs)
Weight Shipping lbs./kg.	5900,7700,9300lbs (2676,3492,4218kgs)
Coolant Pump/ Capacity	20gal.



Siemens Control Panel



Hand Scraped Surfaces



STANDARD EQUIPMENT & CNC CONTROL

- » Hydraulic 3-Jaw Chuck 10"
- » Hydraulic System
- » Heat Exchanger for the Electric Cabinet
- » Coolant System
- » Front Door Interlock
- » Hydraulic 8 Position Tool Change
- » Automatic Lubrication
- » Work Light
- » Leveling Screws, Pads & Nuts
- » Fully Enclosed Splash Guard
- » Chip Conveyor
- » 10.4 in. Colour TFT Display
- » Graphic CNC Simulation Plane Display
- » Wide Range of Turning Cycle for Standard Geometries
- » USB and RJ45 Interfaces on Operator Panel Front
- » Inch/Metric Operation



OPTIONAL ACCESSORIES

- » Steady Rest 6 or 12" (150 or 305 mm) Bronze or Roller
- » Follow Rest 3.5 or 6" (89 or 150 mm) Bronze or Roller
- » Hydraulic Chuck 12"
- » Spindle Bore 4.06" (max. 1600 r.p.m) D1-11 Mount
- » 15" Colour TFT Display
- » Live Centers, Bull Centers, Pipe Centers
- » Drill Chucks
- » 4-Jaw Independent Chuck
- » Standard Modern USB Memory Stick
- » Transformer for Different Voltages
- » Please Inquire About Any Other Option