



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 ENHANCEMENT.

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	D1-8 [D1-11 opt]
Spindle Bore	3.06" (77.7mm) (4.06"opt)
Spindle Speed - H/L r.p.m	40-2250
Spindle drive	20 HP
Bar Capacity	2.44" (62mm)

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