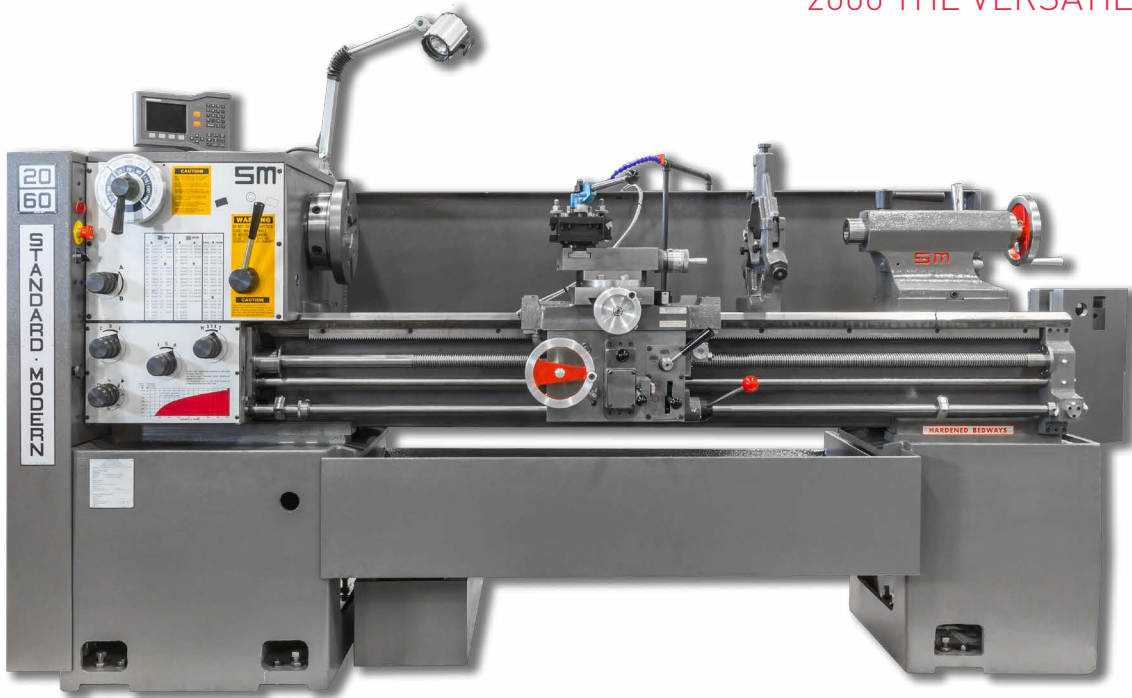




www.standardmodernlathes.com
Manufactured by Racer Machinery International Inc.

20" SWING INCH-METRIC 2000 THE VERSATILE LATHE



*Model shown includes optional accessories

The Model 2000 is one of a new, modern generation of standard engine and toolroom lathes, designed to produce space-age parts with space-age tools. The lathe is designed and built in North America and is ideally suited for toolroom maintenance, production

and all turning jobs in your shop. Standard-Modern lathes have gained a wide reputation for quality and reliability. Now with more versatility they are **the complete lathes.**



FEATURES

- » CAPACITY: 20" DIA. SWING—30", 40", 60", 80", 120" BETWEEN CENTERS
- » 15 H.P CONTINUOUS DUTY
- » 18 SPINDLE SPEEDS 27 TO 1600 RPM
- » D1-8" CAMLOCK - 3 BEARING SPINDLE
- » INCH-METRIC FEED BOX - SWITCHABLE
- » SUPER STIFF BED - READY FOR FUTURE TOOLS
- » LEADSCREW REVERSE - STANDARD
- » METRIC THREADING WITHOUT SPINDLE REVERSE

2 YEAR LIMITED WARRANTY



MACHINE

Swing over bed	22 in. (558 mm) for 9" ahead of faceplate
Swing over bed and saddle	20 in. (500 mm)
Swing over cross-slide	12 in. (305 mm)
Distance between centers	30, 40, 60, 80, 120 in. (750, 1000, 1500, 2000, 3000 mm)
Main drive motor	15 H.P. (11.2 K.W.)
Bar capacity	3 in. (76 mm)

HEADSTOCK

Spindle speeds	18
Geometric speed range	27-1600 RPM
Spindle nose - camlock	D1-8"
Spindle hole	3.06 in. (77.7 mm)
Spindle center	# 5 M.T.

FEEDBOX - COMBINATION

Feed & thread selections	66
Inch feed range	.0015-.105 in./rev.
Inch thread range	2 to 127 TPI
Metric feed range	.04 to 2.67 mm/rev.
Metric lead range (threads)	.2 to 14 mm

TAILSTOCK

Quill diameter	2.94 in. (75 mm)
Quill travel	8 in. (203 mm)
Morse taper with tang	# 5 M.T.
Offset	75 in. (19 mm)

APRON

Handwheel - one revolution	1.000 in. (25.4 mm)
Half nuts	Double
High speed threading to	800 RPM
Repeatability of auto carriage stop	± .005 in. (± .13 mm)
Feed torque control	Variable

CARRIAGE CROSS-SLIDE

Carriage length on bed	21.0 in (533 mm)
Carriage bridge width	10 in. (254 mm)
Cross-slide length	24 in. (610 mm)
Cross-slide travel	12 in. (305 mm)
Compound travel	5 in. (127 mm)
Direct reading dial graduation	.001 in. (.02 mm)

BED & BASE

Bed width	14 in. (356 mm)
Bed depth	12-1/2 in. (318 mm)
Bed length	104, 124, 164 in. (2642, 3150, 4166 mm)
Base width	30 in. (762 mm)
Base length	114, 134, 174 in. (2896, 3404, 4420 mm)

SHIPPING DATA

20/60- Gross weight (approx.)	5100 lbs. (2314 kg.)
Crate size (approx.)	56"W x 126"L x 65"H
20/80- Gross weight (approx.)	7000 lbs. (3176 kg.)
Crate size (approx.)	56"W x 146"L x 65"H
20/120- Gross weight (approx.)	7500 lbs. (3402 kg.)
Crate size (approx.)	56"W x 186"L x 65"H



SPECIFICATIONS

- » Electric brake - self actuating
- » All hardened and ground gears - no clutches
- » Direct reading speed dial
- » Convient Hi-Lo neutral shifter
- » Wrenches, keys, spare shear pins
- » No transposing gears
- » Complete range of inch-metric threads - switchable
- » Feed reverse and leadscrew reverse
- » Full length rear splash guard
- » Bi-direction auto carriage stop (feeds and threads)
- » Hardened quill with tang drive
- » Deep bed design
- » Chip clean out - front and rear
- » Operators handbook
- » Standard 115V electric controls (208, 230/460 or 575 volt supply 3 phase)



OPTIONAL ACCESSORIES

- » Telescopic taper attachment - ±10 deg. x 16" (406mm) stroke
- » Large toolmakers faceplate - 18" (450mm) dia.
- » Micrometer carriage stop - inch or metric
- » Rear toolpost
- » Two speed tailstock
- » Coolant system
- » Steady rest - 6" (152mm) or 10" (254mm) plain or roller
- » 3 & 4 jaw and collet chucks
- » Turret toolpost
- » Live centers
- » Inch threading dial
- » Please inquire about any other options