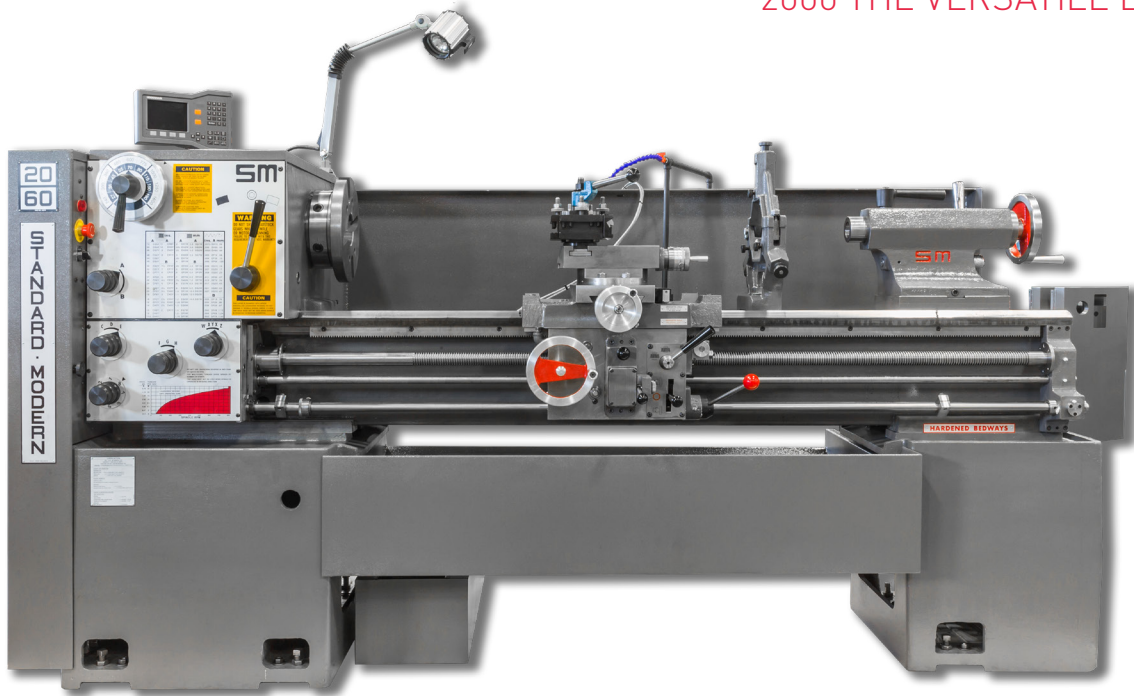




[www.standardmodernlathes.com](http://www.standardmodernlathes.com)  
Manufactured by Racer Machinery International Inc.

## 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 - 40", 60", 80", 120" BETWEEN CENTERS
- » 15 H.P CONTINUOUS DUTY
- » 18 SPINDLE SPEEDS 27 TO 1600 RPM
- » D1-11" 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	40, 60, 80, 120 in. (1000, 1500, 2000, 3000 mm)
Main drive motor	15 H.P. (11.2 K.W.)
Bar capacity	4 in. (101.6 mm)

## HEADSTOCK

Spindle speeds	18
Geometric speed range	27-1600 RPM
Spindle nose - camlock	D1-11"
Spindle hole	4.06 in. (103.1 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