

- **3 HP 2J Head**
- **Durable**
- **Versatile**
- **The World's First Choice**

- American know-how at its best. Manufactured under strict Bridgeport quality control standards. A 50-year tradition others can't duplicate.
- Immediate delivery, with easy financing terms available.
- Industry's best warranty with full 24-months on parts and 12-months on labor.
- Proven Resale Value! High demand causes many used Series I Standards to sell for more

- than their original purchase price.
- Versatile—totally interchangeable parts. Your choice of a full line of high productivity accessories and heads.
- The choice of industry and vocational schools around the world.
- Full support. Bridgeport stands behind every machine with nationwide parts and service, and application engineering support.



\*Machine shown with options.

\*Cutter Guard Removed for Clarity.

# Series I Standard Specifications

All dimensions in inches (metrics in parentheses)

<b>Range</b>	
Table travel (X-axis)*	30 in. (762mm) or
With 48 in. table	36 in. (914mm)
Saddle travel (Y-axis)	12 in. (305mm)
Quill travel	5 in. (127mm)
Knee travel (Z-axis)	16 in. (406mm)
Ram travel	12 in. (305mm)
Throat distance (min.)	6¾ in. (171mm)
Throat distance (max.)	18¾ in. (476mm)
Table to spindle nose gage line	2½ in. (64mm) (min.)
Max. weight of workpiece	750 lbs. (341kg)
<b>Table</b>	
Overall size	9 x 42 in. (229 x 1067mm)
Overall size	9 x 48 in. (229 x 1219mm)
T-slots—three	2½ in. (64mm) centers
T-slot size	¾ in. (16mm)
Height above floor (max.)	47¼ in. (1200mm)
<b>Spindle (2J Head)</b>	
Power rating	***3 HP
Taper**	R8 Taper
<b>Speed range</b>	
Low—infinitely variable	60-500 rpm

\*Power optional. (Power feed reduces longitudinal travel by 3.5".

\*\*No. 30 Bridgeport Quick-Change Spindle is optional.

\*\*\*3 HP 30 Minute Duty Cycle.

2 HP Continuous.

High—infinitely variable	500-4200 rpm
Controlled down feed range	.0015 in. (0.038mm)
Manual adjust	.003 in. (0.076mm)
Manual adjust	.006 in (0.152mm)/rev
<b>Drilling capacity</b>	
Mild steel (manual)	¾ in. (19mm) dia.
Mild steel (power)	¾ in. (10mm) dia.
<b>Milling capacity—mild steel</b>	
	2 cu. in./min. (32cc/min.)
<b>Boring range—mild steel</b>	
	To 6 in. (152mm) dia.
Spindle diameter	1½ in. (48mm)
Quill diameter	3¾ in. (86mm)
<b>Milling feed rate (X-axis)</b>	
Standard	¾-35 ipm (19-889mm)
High torque power feed	.3-15 ipm (8-381 mm/min.)
<b>Space and Weight</b>	
Floor area	7 x 10 ft. (2.1 x 3.1m)
Height	82¾ in. (2.1m)
Net weight	1950 lbs. (885kg)
Shipping weight	2180 lbs. (989kg)
<b>Electrical supply</b>	
60 Hz, 3-phase	208/230/460/575V
<b>Color</b>	
	Machine tool gray

NOTE: Machine also available with 1 HP J Head with 8 speed changes. Specifications subject to change without notice.

## Bridgeport Gives You More.

- Three heads to choose from; 1 HP J head; 3 HP variable speed 2J head; or 1/3 HP Model E vertical shaper head. Most adjust 45° front and back. All adjust 90° left or right.

- Added versatility—mount shaper head on the back of the V-ram. To position over worktable, rotate ram 180°.
- Patented flow-through air cooling on 2J head prolongs bearing life and prevents expansion caused by heat build-up.
- Secure tools from ⅛" to ¾" in an R8 collet. Optional #30 quick-change spindle or power drawbar for faster tool changes.
- A new quick adjustment micrometer nut allows rapid adjustment of the quill for long moves and can also be adjusted for fine positioning of .001".
- Sturdy, coreless cast table, heavily ribbed for strength. Precision T-slots. All standard.
- Precision ways on column, knee

- and table. Tapered, hand-scraped gibs, hand-fitted for long life accuracy. Locking clamps let you mill mild steel at 2 cu. in./min. with minimum vibration. One piece column and base with extra ribs and webs. All standard.
- Dual saddle and knee locks. One-shot lubrication system. Satin chrome-plated dials. All standard.
- Precision spindle bearings and 5 pitch Acme thread leadscrews.
- Optional chrome plating on wear surfaces. The quill is chrome plated and has built-in power feed.

Financing/leasing, service, parts and accessories readily available. Bridgeport Machines, Inc. 500 Lindley Street, P.O. Box 32 Bridgeport, CT 06606

**Call toll-free 1-800-243-4292**

# Bridgeport®

**the international name for quality machine tools**