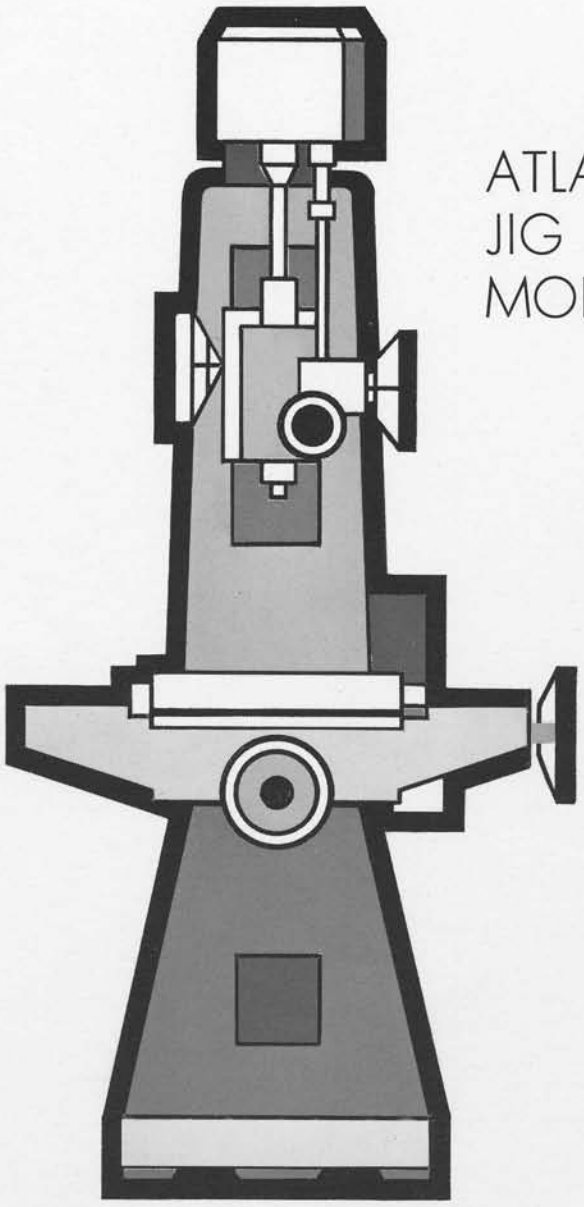
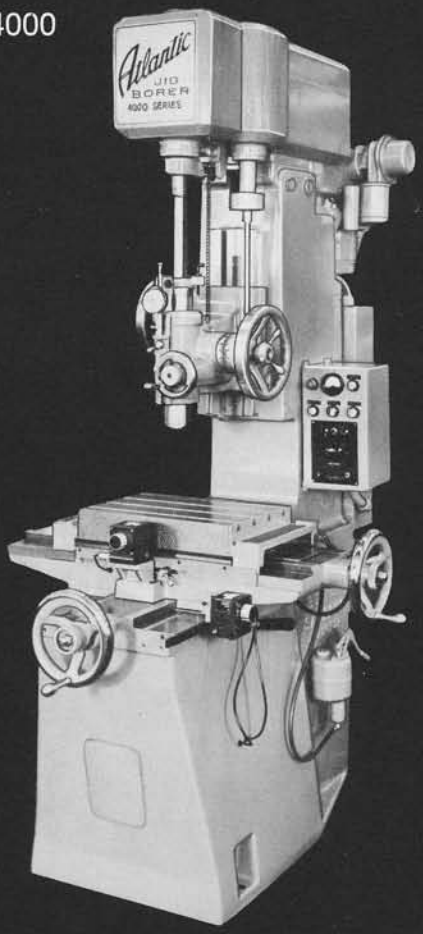


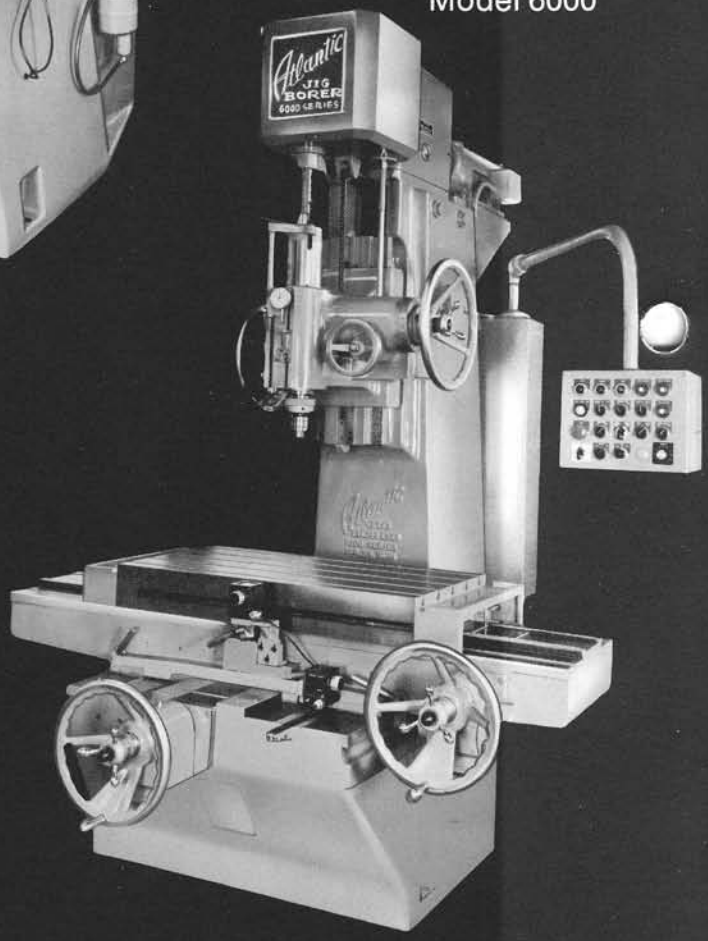
ATLANTIC
JIG BORER
MODEL 4000

ATLANTIC JIG BORERS

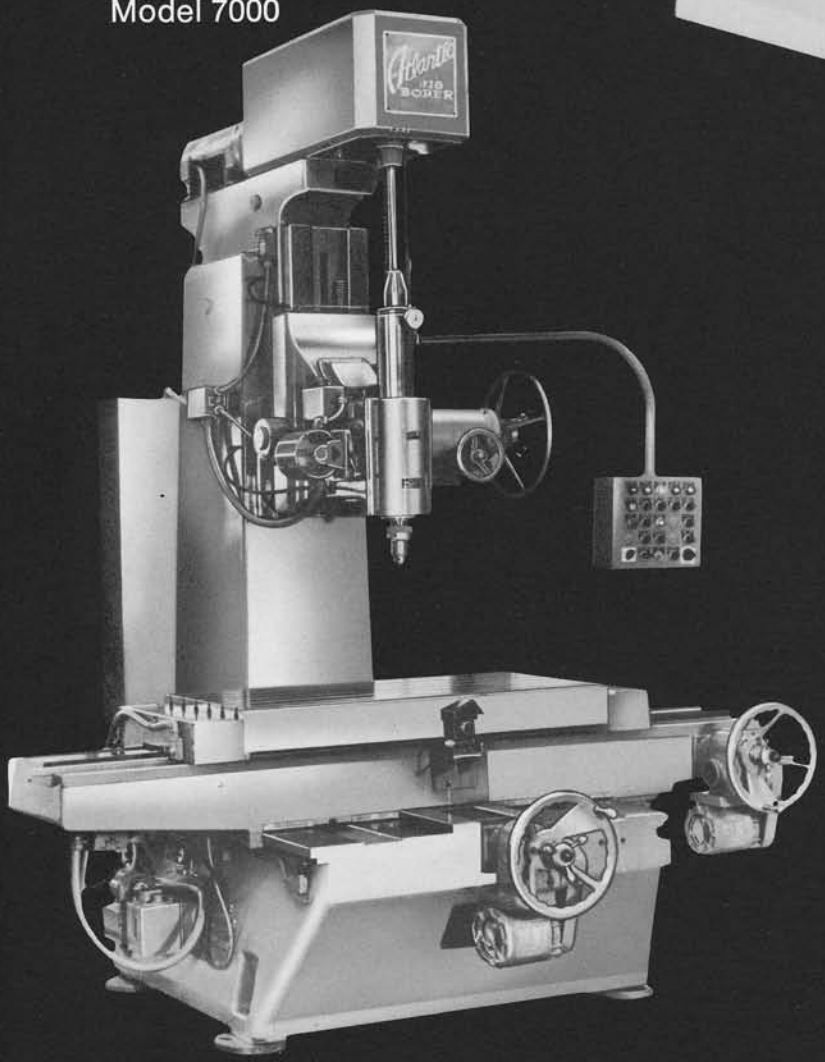
Model 4000



Model 6000



Model 7000



THE MACHINE BUILT TO DO TOMORROW'S WORK TODAY!

ATLANTIC JIG BORER MODEL 4000

No single feature makes one jig-borer better than another . . . it takes the proper balance of engineering, research, development and construction that goes into the ATLANTIC 4000. Engineered to meet today's wide range of demands for speed, efficiency, and dependability; with ample reserve to meet the unknown challenges of tomorrow . . . micro-tolerances for location, for boring, drilling and light milling operations . . . we have the experience . . . we have the machine . . . the ATLANTIC 4000.

ATLANTIC JIG BORER MODEL 4000

. . . Gets the work done properly, the first time, every time. Accuracy to within .0002″ guarantees ultimate efficiency and accuracy, on jigs . . . fixtures . . . folds . . . dies . . . gages. Every manufacturing process requiring jig-boring in all kinds of metals and alloys . . . within capacity. No job too demanding for the ATLANTIC 4000.

ATLANTIC JIG BORER MODEL 4000

Compare these advantages

PRECISION — Accurately ground and honed quill of nitriding steel, hardened . . . spindle has two sets of preloaded super-precision bearings . . . double tapered spindle nose. Plus quick method of positioning — .0002″ is ideal for inspection or machining of parts in any quantity.

EASE OF OPERATION — Speed and feed pre-seletion from push buttons . . . all manual controls convenient from one operator's position.

DESIGN — Positive powered spindle feeds and speeds, provide the correct settings for precision jig-boring, drilling and light milling operations . . . depending upon the required application.

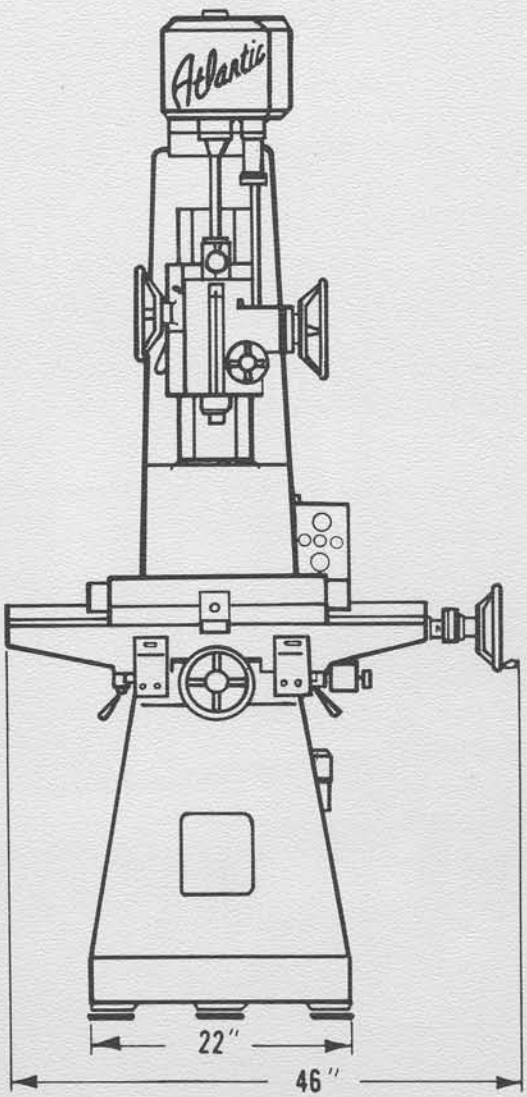
*Optional equipment and special units available.

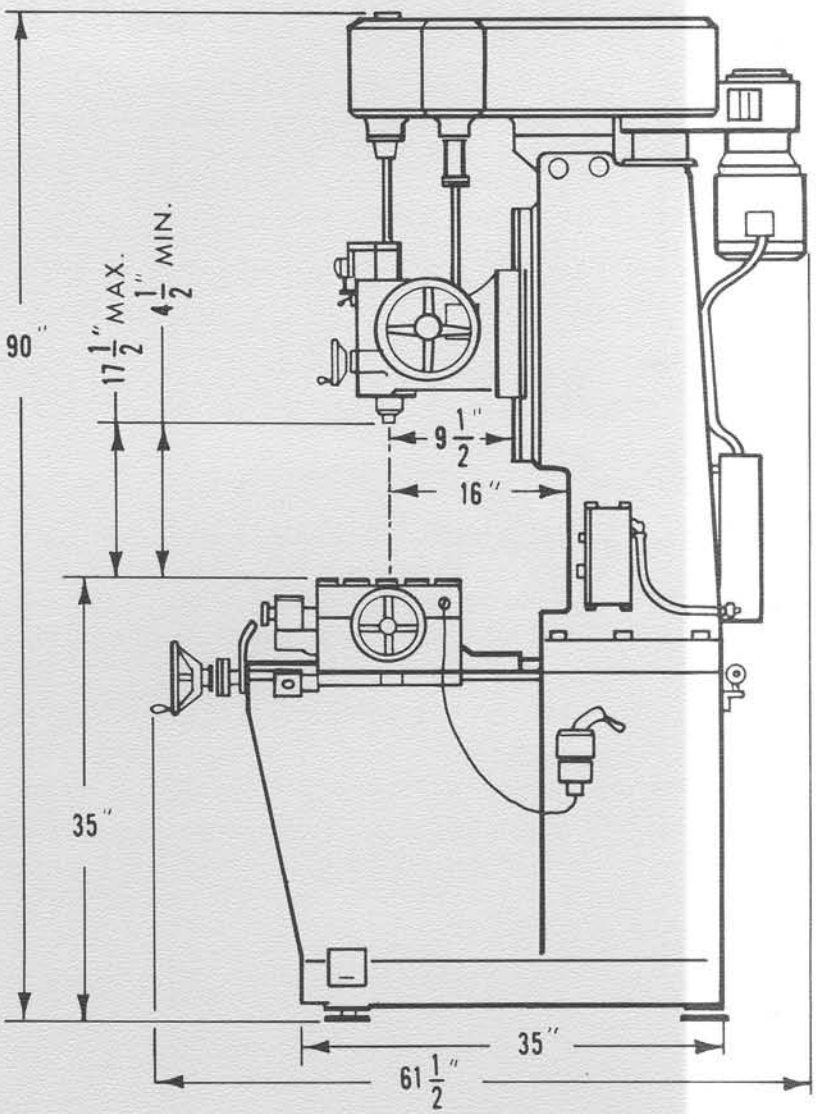
SPECIFICATIONS

Table and carriage manual operated
Variable Spindle Feeds 0-.023 per spindle rev.
Counter balanced spindle head
One shot lubrication
Push button control panels
Two digital optical projectors
Two scales
Atlantic quick change spindle nose
Machine is supplied with 1 H.P. spindle drive motor

Hardened and ground precision lead screws in lieu of optical positioning available at extra cost.

Table Working Surface	12″ x 18″
Table Travel Longitudinal	16″
Table Travel Crosswise	12″
Spindle Quill Dia.	$2\frac{15}{16}$″
Spindle Nose	Quick Shank
Spindle Speeds	Adjustable 100 — 2,100 RPM
Machine Accuracy	± .0001″ Squareness & Parallelism
Horsepower	1 & ½ (Two Speed Motor)
Spindle Feed	Variable 0-.023 Per Spindle Revolution
Net Weight In Pounds	3,000 Lbs.
Shipping Weight	3,600 Lbs.





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JIG BORER ACCESSORIES

BORING CHUCK

	Cat. No.
Atlantic Precision Boring Chuck, complete 1/2" hole, 3/8" adapter and accessories for boring holes from 1/4" thru 5" in mahogany box	318
Atlantic Precision Boring Chuck with 1/2" hole and 3/8" adapter	319

BORING BARS

Set A

One each 3/16", 1/4", 5/16", 7/16", 1/2", 9/16", 5/8" Dia. carbide tipped tool all with 3/8" shanks in wooden block	324

Set B

One each 3/16", 1/4", 5/16", 7/16", 1/2", 9/16", 5/8", 3/4", and 1" dia. Carbide tipped tools all with 1/2" shanks in wooden block	325

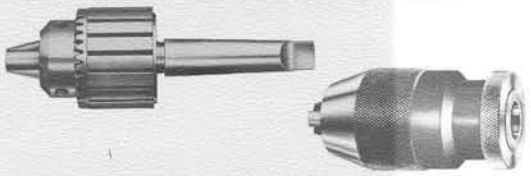
STRAIGHT SHANK SPOTTING TOOLS

Cat. No. 335

⅜" Shank — 3" O/A Length: 1/16", 3/32", ⅛", 5/32", 3/16"
½" Shank — 3½" O/A Length: ⅛", 3/16", 7/32", ¼", 9/32"
Complete Set of 10 Spotting Tools

DRILL CHUCKS

	Cat. No.
⅜" Precision drill chuck fitted with shank and key	342
½" Precision drill chuck fitted with shank and key	343
⅜" Albrecht drill chuck fitted with shank	345
½" Albrecht drill chuck fitted with shank	346



STRAIGHT SHANK REAMER DRILLS

Cat. No. 347

.120" for ⅛" Reamer ⅜" Straight Shank 3½" O/A Length
.151" for 5/32" Reamer ⅜" Straight Shank 3½" O/A Length
.1825" for 3/16" Reamer ⅜" Straight Shank 3¾" O/A Length
.213" for 7/32" Reamer ⅜" Straight Shank 3¾" O/A Length
.245" for ¼" Reamer ⅜" Straight Shank 4" O/A Length
.275" for 9/32" Reamer ⅜" Straight Shank 4" O/A Length
.305" for 5/16" Reamer ⅜" Straight Shank 4" O/A Length
.335" for 11/32" Reamer ⅜" Straight Shank 4¼" O/A Length
.365" for ⅜" Reamer ⅜" Straight Shank 4¼" O/A Length
.245" for ¼" Reamer ½" Straight Shank 5" O/A Length
.365" for ⅜" Reamer ½" Straight Shank 5" O/A Length
.396" for 13/32" Reamer ½" Straight Shank 5" O/A Length
.4275" for 7/16" Reamer ½" Straight Shank 5" O/A Length
.458" for 15/32" Reamer ½" Straight Shank 5" O/A Length
.490" for ½" Reamer ½" Straight Shank 5" O/A Length
Complete Set of 15 Reamer Drills

STRAIGHT SHANK END REAMERS

Cat. No. 350

⅛"	11/32"	5/8"
5/32"	⅜"	11/16"
3/16"	13/32"	¾"
7/32"	7/16"	13/16"
¼"	15/32"	⅞"
9/32"	½"	15/16"
5/16"	9/16"	1"

Complete Set of 21 End Reamers with ⅜" and ½" Shank

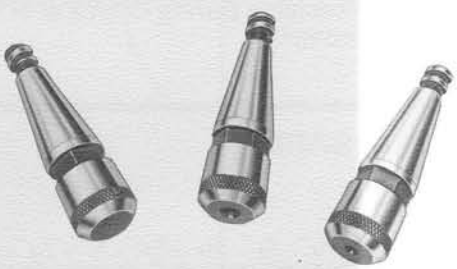
WORK EDGE FINDER

Cat. No. 353

Chair type with wooden box

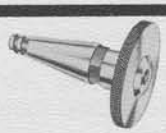
COLLETS

	Cat. No.
Collet for ⅜" diameter straight shank end reamers, ⅛" to ⅜" reamer sizes inclusive	356
Collet for ½" diameter straight shank end reamer 13/32" to 1" reamer sizes inclusive	357
33/64" diameter collet for straight shank drills, 17/32" to 1" drill size inclusive	358
49/64" diameter collet for straight shank drills, 1 1/16" to 1½" drill size inclusive	359



COLLET FOR INDICATOR HOLDER

Cat. No. 361



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INDICATORS		
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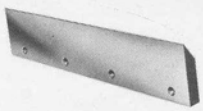
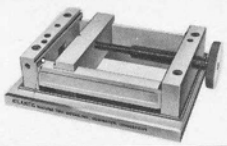
BACK PLATE		
Back locating plate or straight edge for back of table	372	
STEP BLOCK & CLAMP SET		
Set consists of six 1″ wide alum step blocks; six 1″ wide steel step clamps; four ⅜″ studs of each length — 3″, 4″, 5″, 6″, 7″, 8″; six T nuts; four coupling nuts; four flanged nuts all in wooden box	380	
ANGLE IRON		
Precision Angle Iron		
Working surface 5″ high x 12″ long x 6″ wide with necessary bolts and nuts	381	
PRECISION VISE		
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ACCESSORY TOOL CABINET		
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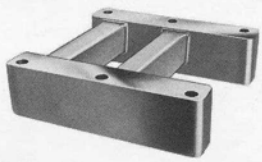
Large mahogany desk type cabinet for housing all accessories with lock and key	386	
RISER BLOCK		
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ATLANTIC MACHINE TOOL WORKS, INC.
MACHINE TOOL DIVISION
A UNIT OF EX-CELL-O CORPORATION
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