



BOURNSKROCH

Advancing the Technology of Metal Removal



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**We Can Make
A World Of Difference...
Providing Innovative Solutions
Around The Globe**

T h e W o r l d O f
BOURN&KOCH

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Bourn & Koch, Inc. has manufactured precision machine tool products since 1975. Our Rockford plant offers 130,000 square feet of working space and a staff of highly skilled engineers and technicians.

In addition to a complete line of new equipment that includes gear manufacturing machines, turning centers, grinders, multi-spindle machines, specialty machine tools and manufacturing cells, Bourn & Koch has many years of broad-based experience in remanufacturing existing machine tools, from the most basic to highly complex computer-controlled units. Our state-of-the-art quality control system assures the accuracy of our work with tolerances that meet or exceed your most stringent requirements.



O.E.M. PRODUCTS

Bourn & Koch Horizontal Gear Hobbers

25H CNC	1" x 4" Capacity
100H CNC	5" x 20"-32" Capacity
200H CNC	8" x 52"-72" Capacity
400H CNC	18" x 52"-72" Capacity
600H CNC	25" x 100"-148" Capacity

Fellows Gear Shapers

Mechanical Stroking:

10-04	10" x 4" Capacity
20-04	20" x 4" Capacity

Rack Shaper: 10-04RS

Steering Sector Shaper: 4-3SS 4" x 3" Capacity

Hydro-Stoking:

FS180	7" x 2" Capacity
FS 400	15.75" x 3.54"-6.88" Capacity
FS630	25.60" x 5"-8" Capacity
FS1270	51.18" x 8"-12" Capacity
FS2550	101.0" x 8"-12" Capacity

New Series:

HS/MS450	450mm x 125mm Capacity
HS/MS650	650mm x 200mm Capacity

Bourn & Koch Vertical Gear Grinders

500 VG CNC	19.685" x 12" Capacity
900 VG CNC	31.5" x 12" Capacity
1000 VG CNC	39.37" x 12" Capacity
1400 VG CNC	55.118" x 11.8" Capacity

Hob & Shaper Cutter Inspection Systems

HSC 100-001	9" x 16" Capacity
CMU130	5.11" Capacity

Roto-Check Gear Inspection Systems

RC400-12, RC400-16, RC400-36 and Rotor-Check

Match Turning Centers

119 VNC Chucker	20" Capacity
125 VNC Chucker	25" Capacity
135 VNC Chucker	35" Capacity
142 VNC Chucker	42" Capacity
152 VNC Chucker	52" Capacity
219 VNC Twin Chucker	20" Capacity
225 VNC Twin Chucker	25" Capacity
235 VNC Twin Chucker	35" Capacity
SL200 Twin Spindle	8" Capacity
MVSL200 Self-loading	12" Capacity
MVSL450 Self-loading	22" Capacity

Fellows

**BOURN
& KOCH**

**Barber
Colman**



O.E.M. PRODUCTS *continued*

Springfield Vertical Grinders

36CNC Vert. Grinder	44" Swing x 18" depth
42CNC Vert. Grinder	50" Swing x 18" depth
48CNC Vert. Grinder	60" Swing x 18" depth
62CNC Vert. Grinder	68" Swing x 27.5" depth

Blanchard Rotary Grinders

8AD-12	14" Swing x 5.5" height
11AD-20	21" Swing x 12" height
20AD-36	48" Swing x 24" height
22AD-42	48" Swing x 24" height
26AD-48	56" Swing x 24" height
32AD-60	72" Swing x 24" height
36AD-66	84" Swing x 24" height
42AD-84	96" Swing x 33" height
54AD-100	128" Swing x 33" height
72AD-120-144	144" Swing x 33" height
76AD-120-164	164" Swing x 60" height

Acme Multi Spindle Machines

7/16" RA-6	6 Spindle
1" RAN-6	6 Spindle
1-1/4" RB-8	8 Spindle
1-1/4" RA-6	6 Spindle
1-1/4" HP-6	6 Spindle High Precision
1-5/8" RB-8	8 Spindle
1-5/8" RBN-8	8 Spindle
1-5/8" HPN-8	8 Spindle High Precision
2" RB-8	8 Spindle
2-3/8" HSC-6	6 Spindle High Speed Chucker

Extrusion Milling Machines

EMC-12 Extrusion Milling Machine
Up to 12 CNC axis including contouring capabilities.

Rotary Transfer & Rotary Trunion Machining Centers

Designed around the customers specialized needs based on a modular design for easy change overs.

Special Purpose Machining Centers

Special application machines for special applications which are not addressed by standard machine builders.

Roto-Grind Precision Rotary Tables

Both toolroom and laboratory applications

Specialty Machines

We specialize in designing engineering & manufacturing solutions for our customers requirements. We would be happy to review your requirements.



MOTCH

SPRINGFIELD



O.E.M. REPLACEMENT PARTS

Gear Manufacturing Machines

Barber Colman	(815) 965-4082
Bourn & Koch	(815) 965-4082
Fellows	(802) 674-6500
Roto-Technology	(937) 859-8503

Turning Centers/VTL's/Lathes

American Tool Inc.	(800) 248-8121
Bullard	(800) 248-8122
Jones & Lamson	(802) 674-6500
Motch	(800) 728-8602
New Britain	(800) 243-4542
Sheldon Lathe	(800) 553-2263

Machining Centers/Boring Mills

Bullard	(800) 248-8122
DeVlieg	(800) 248-8120
Futurmill	(800) 248-8120
Rockford Machine Tool	(800) 248-8120
Universal Boring	(800) 248-8122
White Sundstrand	(800) 248-8120

Grinders

Brown & Sharp	(800) 759-0100
Cone-Blanchard	(800) 528-5932
Mattison Grinders	(800) 248-8126
Springfield	(800) 728-8602

Multi Spindle Machines

Acme-Gridley	(800) 553-2263
Bullard Multi-a-matic	(800) 248-8122
Conomatic	(800) 528-5932
New Britain / Mideastern	(800) 243-4542
Bourn & Koch	(815) 965-4082

Other Machines

Ferguson	(815) 965-4082
Mattison Woodworking	(800) 248-8126
Rockford Punch Press	(800) 248-8125

Rotary Tables

Roto-Grind	(937) 859-8503
Golden Sun	(937) 859-8503



*For more information about
Bourn & Koch's capabilities,
call us at **815.965.4013***



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BOURN & KOCH

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REMANUFACTURED/RETROFITTED PRODUCTS

Gear Hobbers, Shapers, Grinders

Barber Colman, Bourn & Koch, Fellows, Gleason, Liebherr, Pfauter, Red Ring

Gear Inspection Systems

ITW, M & M, Roto-Technology

Grinders

Brown & Sharp, Bryant, Cone-Blanchard Mattison, Norton, Springfield

Gantry Machines

Ingersoll, Eckstrom Carlson, Cincinnati

Lathes - Vertical/Horizontal

American Tool Inc., Bullard, Cincinnati Milacon, Jones & Lamson, Motch

Machining Centers/ Boring Mills

DeVlieg, Futurmill, Giddings & Lewis, Gray, Kearney & Trecker, Rockford Machine Tool, White Sundstrand

Multi Spindle Machines

Acme-Gridley, Bourn & Koch, Conomatic, Kingsbury, New Britain

Rotary Tables

M & M, Pratt & Whitney, Roto-Technology

SERVICES

Field Service, service contracts, preventative maintenance, on-site retrofits on all of the above product lines and the **INGERSOLL** product line

Direct lines for service **(800) 248-8130** or **(815) 965-4013 Ext.310**

Laser Alignment/Ball Bar Analysis

Portable equipment capable of processing 5 tests at once in your plant.

Vibration Analysis

Review customer's challenges to improve productivity and quality

Subcontract Machining

Machining, turning, hobbing, shaping and broaching



Among The Many Machine Tools We Have Remanufactured Are:

- **Gear Hobbers**
- **Gear Shapers**
- **Gear Grinders**
- **Machining Centers**
- **Turning Centers/Lathes/VTL's**
- **Boring Machines**
- **Grinders**
- **Multi-Spindle Machines**
- **Specialty Machines**
- **Rotary Tables**
- **Gear Inspection Systems**
- **Inspection Machines**

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Gear Cutting/Finishing

Turning Centers/Chuckers

Rotary/Vertical Grinders

Rotary Transfer Machining Centers

Extrusion Milling Machines

Multi-Spindle Machines

Roto-Grind Precision Rotary Tables

Roto-Check Gear Inspection Systems

Specialty Machine Tools

Remanufacturing/Retrofitting

Parts – Service – Alignments

Contract Machining

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**BOURN
& KOCH**

2500 Kishwaukee Street Rockford, IL 61104
815.965.4013 fax 815.965.0019
www.bourn-koch.com bournkoch@worldnet.att.net