



**BOURN
& KOCH**

Fellows

GEAR SHAPER DIVISION

**The MS 300 Gear Shaper
Incorporates the Following
Standard Features:**

GE Fanuc 16i CNC
Control System with
10" Color Display

Seven CNC Control Axis:

- Stroking
- Cutter Rotation
- Work Rotation
- Radial Feed
- Elevating Slide
- Cutter Relief
- Stroke Length

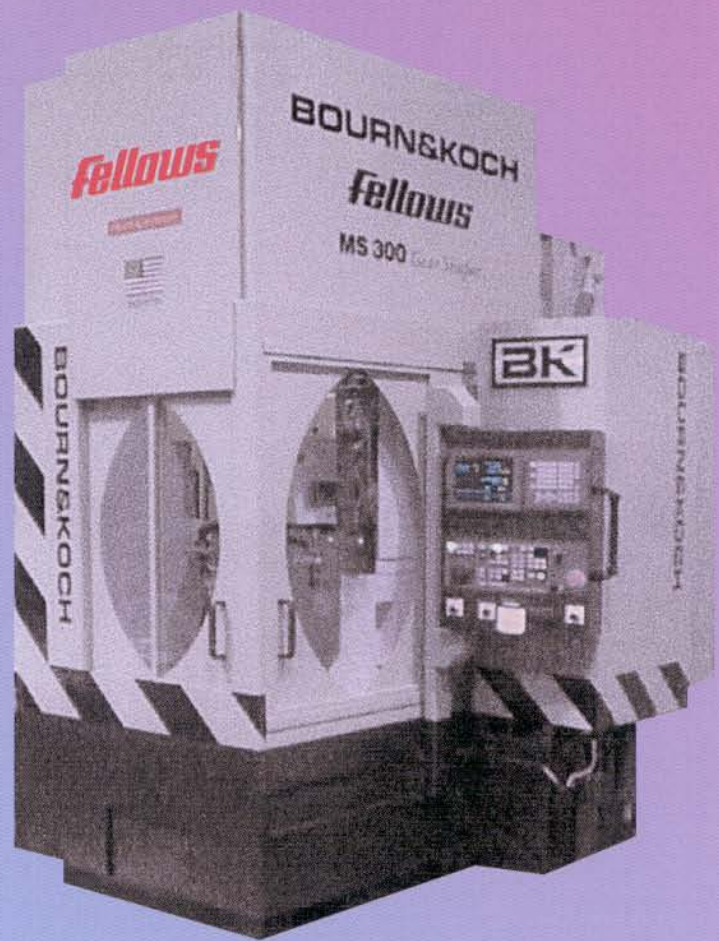
Maximum 520mm
Part Swing

Machine Weight
of 16,800 lbs.

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

Vermont Office:
Phone 802.674.6500
Fax 802.674.6566

MS 300 Gear Shaper



Machine Capacity:

	Metric	Inch
Max. Pitch Diameter External	305mm	12.0"
Max. Pitch Diameter Internal	305mm	12.0"
Max. Gear Face Width	127mm	5.0"
Max. Stroke Length	150mm	5.9"
Stroke Positioning Range	300mm	11.8"
Pitch Rating Spur	6.35 Mod.	4 D.P.
Helical	5 Mod.	5 D.P.
Work Table Diameter	350mm	13.8"
Cutter Spindle Diameter	90mm	3.54"
Work Table Bore	110mm	4.33"
Max. Swing Diameter	520mm	20.5"

O.E.M. PRODUCTS

Gear Manufacturing

Horizontal 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 Stoking:

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

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

Gear Inspection Systems

Other Metal Cutting

Extrusion Milling Machines

EMC-12 Extrusion Milling Machine

Up to 12 CNC axis including contouring capabilities.

Rotary Transfer & Rotary Turret Machining Centers

Designed around the customer's 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 customer's requirements. We would be happy to review your requirements.

REMANUFACTURED/RETROFITTED PRODUCTS

Gear Products

We have extensive experience in gear products and metal cutting machines. In many cases we have developed standard packages to shorten the lead time and minimize your investment.

Barber-Colman

Hobbers 6-10, 6-16, 16-16, 16-36, 16-56, 14-15, 14-30, 25-15, 16-15, 10-10

Shapers HD150, HD200, HD250, 10-04, 18-04

Hob Sharpeners 6-5, 6-7, 10-12

Prautner

Hobbers PA300, PA402, P900, P1501

Liebherr

Hobbers L301, L 402, L652, L1202

Fellows

Shapers 4AGS, 36-6, 10-4, 20-4, 50-8, 50-12, FS180, FS400, FS630, FS1270, FS2550

M&M/ITW

Gear Inspection Machines

Other gear machines such as Red Ring Shavers, Gleason Gear Grinders, etc.

Other Metal Cutting Products

Lathes

Cincinnati Milacron American

Machining Centers

Sundstrand OM-1, OM-2, OM-2A, OM-3, OM-4, S40, S60, S80

Kearney & Trecker

Bourn & Koch

Boring Machines

DeVlieg

Giddings & Lewis

Gray

Grinders

Mattison

Bryant

Springfield

Norton

VTL's

Giddings & Lewis

SERVICES

Replacement Parts

Barber-Colman Gear Machines

Fellows

Jones & Lamson

Ferguson Machining Units

Roto-Technology Rotary Tables & Inspection Systems

Bourn & Koch

Mattison

Parts reversed engineered from your old worn out parts on other brands.

Service

Barber-Colman

Fellows

Jones & Lamson

Ingersoll

Bourn & Koch

Sundstrand

Mattison

Roto-Technology Rotary Tables & Inspection Systems

Many brands of Gear Equipment

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

Planning, machining, turning and hobbing

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

