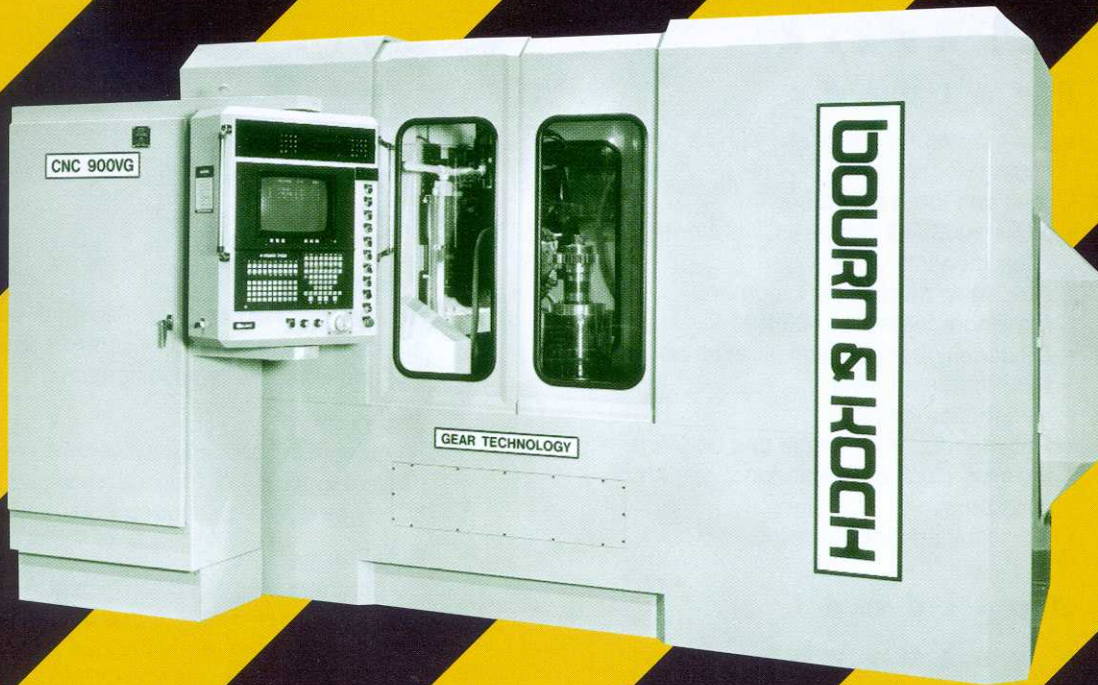


CNC VG Series Gear Grinders



BOURN&KOCH



Bourn & Koch 900 VG shown above.

S p e c i f i c a t i o n s

Model	500	900	1000	1400
Workpiece				
Maximum O.D.	19.685"	31.5"	39.37"	55.118"
Minimum O.D.	0"	3.0"	3.0"	18.11"
Maximum Face (Helix Angle Dependent)	12.0"	12.0"	12.0"	11.8"
Maximum Teeth	200	999	999	999
Maximum D.P.	-----1.5-----			
Grinding Wheel				
Wheel Type	Thread/Form	Form	Form	Form
Wheel Composition	-----Steel Body, Electroplated CBN-----			
Wheel Diameters	-----80/240 mm-----			
Maximum Wheel RPM	-----7250-----			
Mounting/Clamping	-----I.D. Pilot, Bolt Circle Retention-----			
Optional Clamping	-----HSK Quick Change-----			
Work Spindle				
Table Working Surface	16.0"	28.0"	30.0"	30.0"
Index Accuracy	-----6 Arc Sec.-----			
Maximum RPM	50/12	12	12	12
Feedback	-----Encoder-----			
Clamping	-----Optional-----			
Tailstock	-----Optional-----			

Bourn & Koch VG Series Grinders are available with part load/unload automation and other part capacities not listed.

The CNC VG Series Gear Grinders from Bourn & Koch

Standard Features

- Environmental enclosure with air operated sliding doors
- Mist and fume collectors
- NUM 1060 RG Series II CNC Control with 14" color monitor
- Automatic part/wheel alignment
- Maximum feedrate—400 IPM
- Oil conditioner unit with filtration and temperature control
- Anti-friction ways
- Polymer concrete bases and columns
- Bourn & Koch conversational graphic programming
- Spindle load monitor/display

Optional Features

- HSK wheel adapters
- Digital readout for swivel angle
- Digital readout for wheel spindle slide position (form grinder)
- Mobile tailstock (900/1000/1400)
- On machine gear measurement
- 2 year or 2,000 hour cycle time warranty (when equipped with standard CNC, servo drives and motors)

Other Products

Gear Manufacturing Machines

Hobbers and shapers
Gear deburring machines
Gear grinders
Hob and gear checkers
Hob sharpeners

Machining Centers

VTL's
Extrusion milling machines

Special Machines

Metal removal
Assembly and fabrication
Inspection
Automation

Machining Units

Self-contained drill and tapping units, 5-20 hp

Services

- Hobbers
- Shapers
- Gear grinding
- Machining centers
- Lathes
- Grinders

Retrofit

Replacement of obsolete electrical, electronic equipment and numerical controls to NMBTA, JIC and customer's specifications.

Redesigns

A customizing procedure involving revisions to original machine or tooling specifications to satisfy customer's requirements.

Rebuilds

Comprehensive program which includes complete disassembly, inspection, replacement or rebuild of worn and damaged parts, re-assembly and testing to OEM specifications.

Remanufacture

The ultimate in machine tool renovation, a complete rebuild with state-of-the-art updates in hydraulic, lubrication, electrical and mechanical assemblies. Includes many design improvements for reliability and ease of operation.

Gear Manufacture

Sub-contract gear manufacturer and inspection.

Field Service

Installation, repair, rebuild service in customer's plant as required.

Repair

Covers rework of machine components, such as heads, slides, tail stocks and/or gear boxes. Repair of hydraulic or electrical components.

Gear Seminars

Formal training at customer's plant

Gear Software

Manufacturing and inspection programs

Specifications subject to change without notice



Advancing the Technology of Metal Removal

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