

CogsdillTool



COGSDILL TOOL PRODUCTS, INC.

## Precision Tools

FOR THE METALWORKING INDUSTRY

PRODUCT  
INFORMATION



# The Cogsdill Group

ENGINEERED SPECIALTY TOOLING AND FIXTURING SOLUTIONS

FOR THE WORLDWIDE MACHINE TOOL INDUSTRIES



In 1914 Stuart A. Cogsdill set up shop in Detroit as a cutting tool regrinding and repair service. He soon began designing and manufacturing special tools for early automotive pioneers such as Henry Ford and the Dodge brothers, who relied on Cogsdill to develop innovative tooling solutions for tough manufacturing problems.

Today Cogsdill has three operating units in the United States and in the United Kingdom. Two of the facilities design and manufacture engineered specialty tooling for metal machining industries around the world:



■ Cogsdill Tool Products, Inc. of Camden, South Carolina, USA – corporate headquarters

■ Cogsdill-Nuneaton Ltd. of Nuneaton, England – subsidiary of Cogsdill Tool Products

The third operating unit designs and manufactures specialty hydraulic tombstone-type fixtures that hold the same type of components that Cogsdill tooling is used on:

■ Master-Work Holding Inc. of Morganton, North Carolina – subsidiary of Cogsdill Tool Products

Currently owned and operated by the second and third generation of Stuart Cogsdill's descendants, the Cogsdill Group offers its 21st century customers the same commitment that inspired its founder: we will develop and build innovative tooling and fixturing solutions for your tough manufacturing problems.

TOOLMAKERS  
S I N C E  
1914



# Burnishing tools & machines



Size, finish, work harden ... *in seconds*

- Roll-a-Finish® tools, available from stock and easily adjustable for burnishing I.D.s and O.D.s.
- Bearingizing tools, for burnishing I.D.s in parts with thin walls or irregular wall thicknesses, or in applications where porosity retention or extremely close tolerances are required.
- Custom tool designs to suit your application, for burnishing internal and external tapers, faces, spherical surfaces, contours, fillets, multi-diameters, and virtually any part configuration.
- CX External Roller Burnishing machines, for burnishing shafts or cylindrical surfaces of any length.
- Diamond Burnishing tools, for generating mirror finishes on O.D.s, large I.D.s, or faces of virtually any diameter.
- Universal™ Burnishing tools, for burnishing O.D.s, large I.D.s, faces, tapers, contours, and irregular surfaces with a single roll.
- KB® Knurling-Burnishing process, for salvaging out-of-tolerance bores and shafts; a two-step process using Cogsdill knurling tools and Roll-a-Finish tools.

# Deburring tools



## Deburr both sides of holes in one pass

- Burraway® and Burr-off® mechanical hole-deburring tools, available from stock in popular sizes for removing burrs from the front, back, or both sides of drilled holes in one pass.
- Micro-Limit, for precision depth-controlled countersinking.
- Ellipti-Bur®, for deburring irregular hole surfaces generated by drilling into curved surfaces or at an angle.
- Nobur Tool®, for removing severe burrs and producing non-qualified chamfers on multi-walled parts and intersecting holes, where production requirements are low.

# Shefcut® precision reaming & boring systems



Accurate bore size, fine finish, superior hole geometry

- Tools, holders, and setting fixtures: complete reaming and boring systems
- Single, replaceable blade supported by guide pads for stability and alignment
- Custom tool design and manufacture
- Multiple steps
- Carbide, PCD diamond, or coated blades
- Carbide, PCD diamond, or cermet guide pads
- Various shanks, including HSK and ABS®\*
- Standard program for popular hole sizes, with fast delivery

\*License/Komet

# Automatic recessing, generating heads, & precision chamfering



**Grooving, recessing, facing & chamfering ... fast, accurate, repeatable**

- AR Series automatic recessing tools, for machining internal or external grooves and recesses on virtually any type of machine
- Nobur® automatic recessing tools, for deep bore recessing and producing multiple grooves
- Generating heads, for performing multiple operations faster, more economically, with better quality, and at one spindle location
- Precision chamfering tools, for generating controlled chamfers on both sides of drilled or reamed holes, and for back-chamfering and deburring operations

# ZX™ modular boring, facing, and contouring systems



Machine a variety of contoured surfaces on horizontal boring machines

*...in one tooling set-up*

- Single-slide facing, boring, and contouring heads, for multiple operations in one set-up
- Double-slide boring and contouring tools, for balanced cutting action at higher cutting speeds
- Valve-seat pocket tools, with rigid cutter support and in-bore piloting for very accurate, high-quality, chatter-free finishes deep in bore cavities
- Complete tooling systems for performing boring, facing, taper boring, contour boring, deep-cavity boring, grooving, back-spotfacing, and chamfering operations on horizontal boring machines with programmable inner quills

TOOLMAKERS  
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MANUFACTURERS OF

Precision Tools

CUSTOM

Tool Design

QUALITY CERTIFIED

ISO 9001

WORLDWIDE

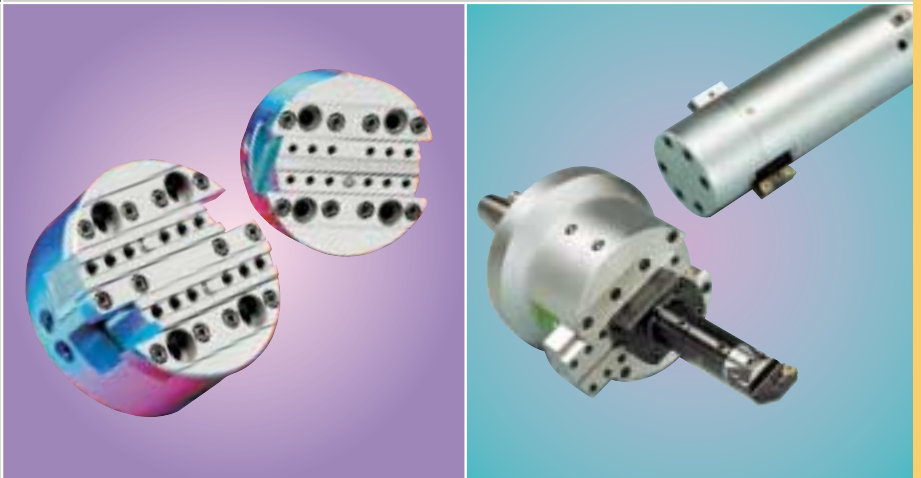
Service & Support

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