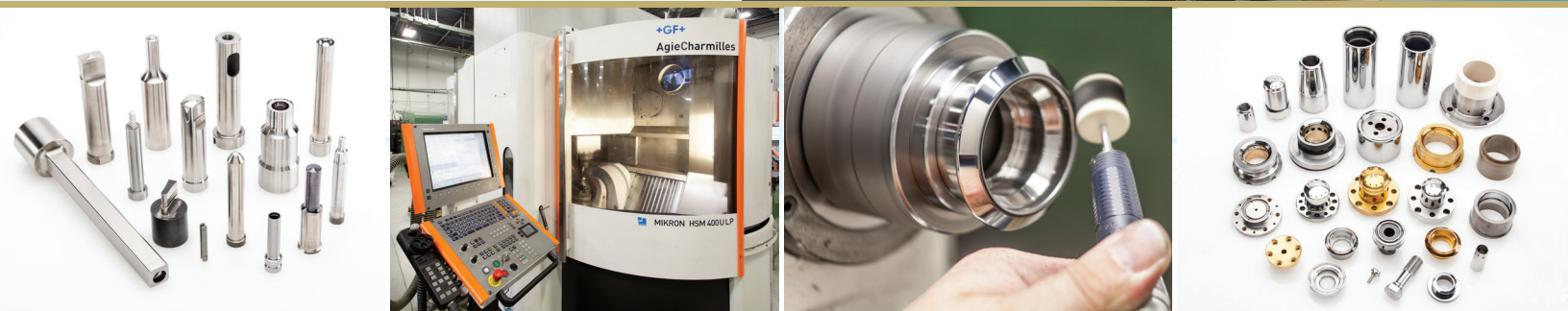


Precision forming,
extruding and
cutting tools

LinkTool[™]
GROUP

Program Management /// Engineering Support /// Manufacturing

Precision forming, extruding and cutting tools



At the **LinkTool™ Group** we believe that the true customer experience is not just about the high quality products we manufacture, but also about our total solutions approach to tool procurement and management. From engineering support to expedited delivery, inventory management and even tool repair, we're the experts so you don't have to be. Please contact us to assist with any or all of your tooling needs. We look forward to working with you.

Since 1978, we have provided tooling and support for many types of equipment including:

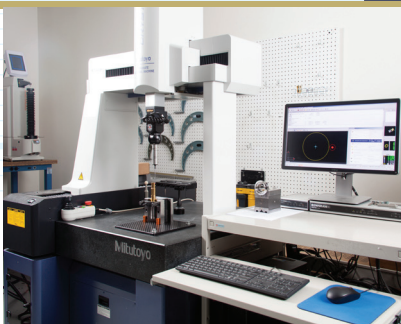
- ▶ Automation
- ▶ Blow Molding
- ▶ Cold Headers
- ▶ CNC
- ▶ Custom Machinery
- ▶ Extruders
- ▶ Hot and Cold Formers
- ▶ Planers
- ▶ Plastic Injection Molding
- ▶ Screw Machines
- ▶ Stamping
- ▶ Test Equipment

Why choose the LinkTool Group?

- ▶ Global service and manufacturing centers
- ▶ High quality manufacturing
- ▶ Longer lasting tools providing less downtime
- ▶ Modernized production facilities
- ▶ Competitive global pricing
- ▶ Quick quote and production turnaround
- ▶ Emergency and same day service
- ▶ Die loading and repair programs
- ▶ Blanket order programs
- ▶ Engineering support

Request a QUOTE:
www.linktoolgroup.com

Precision forming, extruding and cutting tools



OUR COMMITMENT

To be your single source for header tooling products and services. We can provide:

- ▶ Reduction of total tool costs
- ▶ Full service North American service center
- ▶ Global Manufacturing
- ▶ Complete tooling line

LinkTool™ Group will continue to be your source for the most sophisticated, tightly tolerated, highly polished tooling for industries that require the most demanding manufacturing requirements.

As a PennEngineering company, LinkTool™ Group has access to global tool manufacturing capabilities and expertise, and can provide quality, economical, primary header tools for fastener and general component manufacturing.

COMPREHENSIVE PRODUCT LINE

- | | | | |
|------------------|-------------------|-------------------------|------------------------------|
| ▶ Assemblies | ▶ Ejector Pins | ▶ Punches | ▶ Spacers |
| ▶ Backing Plates | ▶ Fixtures | ▶ Quill Cases & Inserts | ▶ Steel Pins |
| ▶ Blades | ▶ Hammers | ▶ Rails | ▶ Stripper Pins |
| ▶ Caps | ▶ Machine parts | ▶ Recess punches | ▶ Torx® & Torx Plus® tooling |
| ▶ Carbide pins | ▶ Micro tools | ▶ Shave Tools | ▶ Tubes |
| ▶ Cutting tools | ▶ Mounting Plates | ▶ Slug Discharge Tubes | ▶ Wear Parts |
| ▶ Dies | ▶ Pierce Punch | | |

Precision forming, extruding and cutting tools



CRITICAL HEADER TOOLS

Continued commitment from Westland, MI

- ▶ Tools for the manufacture of the most demanding high precision parts and components
 - Tightly toleranced, highly engineered
 - Highly polished
 - Extended tool life / minimal downtime
 - Complex geometries
 - Advanced coatings



PRIMARY HEADER TOOLS

Now available from Kunshan, China

- ▶ Tools for quality fastener and component manufacturing
 - Economical choice for highly consumable tool requirements
 - 1D2B to complex multi-blow header equipment
 - Die cases, inserts, pins, punches, transfer fingers, etc.
 - Global manufacturing at lower costs



Precision forming, extruding and cutting tools



PROCESS CAPABILITIES - GLOBAL MANUFACTURING

Westland, Michigan and Kunshan China

Our experienced staff will quickly review your needs and provide you with complete documentation and a comprehensive quote package on your tooling or machine part requirements. We also provide Engineering Support for improvements of your current design.

We continually invest in advanced manufacturing technologies, giving us the ability to provide you with the most sophisticated, tight tolerance, highly polished tooling to support your demanding manufacturing requirements.

The goal at Link Tool Group is to always meet our customer's tolerances and expectations

- ▶ CNC hard turning
- ▶ CNC milling (2, 3 & 5 axis)
- ▶ Gun drilling
- ▶ CNC profile grinding
- ▶ CNC turning
- ▶ Hydraulic assembly press
- ▶ Dedtru grinding (manual and CNC)
- ▶ Hydraulic assembly press
- ▶ Rotary blanchard and surface grinding
- ▶ Torx® and Torx Plus® punch pin hobbing
- ▶ Honing
- ▶ Surface and centerless grinding
- ▶ CNC contour and profile grinding (ID & OD)
- ▶ Lapping and polishing
- ▶ Laser tool etching
- ▶ Test & measurement
- ▶ Quick hole and CNC wire EDM (4 - axis)
- ▶ CNC RAM plus orbital EDM with C Axis rotational



Precision forming, extruding and cutting tools



INDUSTRIES SERVED

- ▶ Aerospace
- ▶ Ammunition/munition
- ▶ Automotive
- ▶ Assembly
- ▶ Can Manufacturing
- ▶ Computer
- ▶ Confectionery
- ▶ Construction
- ▶ Electronics
- ▶ Energy
- ▶ Fastener
- ▶ Fittings
- ▶ Food
- ▶ Medical
- ▶ Military
- ▶ Mining
- ▶ Oil & Gas
- ▶ Pharmaceutical
- ▶ Stamping



Experts in can industry tooling

QUALITY MANAGEMENT SYSTEM

Link Tool Group's Quality Management Process is the driving force behind all of our manufacturing process. Both Westland and Kunshan are certified to the ISO 9001:2015 Standard.

Both locations are fully supported by laboratories equipped with sophisticated testing and dimensional equipment to meet the needs and requirements of world class manufacturer. Kunshan is accredited as an A2LA and Nadcap Lab to support our Aerospace customer requirements.

Inspection Equipment Includes:

- ▶ CNC CMM's
- ▶ Optical Comparators
- ▶ Optical Vision System
- ▶ Profile Scanning
- ▶ Surface Finish Testers



Precision forming, extruding and cutting tools



SUPPORT SERVICES

- ▶ Blanket order programs
- ▶ Engineering support/assistance
- ▶ Emergency and same day service
- ▶ Inventory management
- ▶ On-site support
- ▶ Repair



GLOBAL RESOURCES

With the addition of PennEngineering 's facility in Kunshan, China , LinkTool™ Group's location in Westland, MI can now serve your needs by offering a broader range of products at competitive prices, reducing your total tool spend.

We manage the supply relationship from our Westland Michigan facility

- ▶ Quotation
- ▶ Order placement
- ▶ Products qualified and shipped
- ▶ Quality issues will be handled expeditiously
- ▶ Stocking available



Headquarters: Westland, MI USA



Kunshan, China

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