



**LR** LITTLE  
ROCK  
TOOLS



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AMERICAN MANUFACTURING  
SERVING THE WORLD

# About Us

Little Rock Tool (LRT) is a skilled cutting tool manufacturing facility located in Little Rock, Arkansas. LRT was established in 1963 to serve the growing demands of the Automotive, Power Generation, Aerospace, and Defense industries.

In our 38,000 square foot facility we manufacture what we call "special specials," which are the more complex tooling that most cutting tool shops do not produce due to the complexity and difficulty of producing these tools.

We specialize in high speed steel, carbide tipped, solid carbide, and CBN tools. The key to success is our ability to consistently solve our customers cutting tool needs and designing tools to improve the machining processes.

## *Typical Special Application Tools Single or Multi-Diameter Manufactured In:*

- Polycrystalline PCD & CBN
  - Carbide Tipped
  - Solid Carbide
- High Speed Steel



**Let us create a special tool for you!**

## *Special Tools (24-48 Hour Quoting)*

With a customer's part print we can design the cutting tool required to produce the desired cavity. With our ability to produce HSS, HSCO, solid carbide, carbide tipped or CBN tipped; we can design the right tool for the job. Combining features on step tools reduces machine cycle times and is the main focus for our engineers. Detailed prints of the tool can be supplied on customer's title block if the title block is provided by the customer, if not, the print will be on LRT title block. Speed and feed parameters can also be recommended.

## *Reconditioning & Resharpenering*

LRT can retip and regrind carbide tipped tools saving 35% from the new cost of the tool. We also resharpen HSS, HSCO and solid carbide tools at a 60% savings from the new cost. We offer this service on not only the tools we make, but other manufacturers.



# Specialty Tooling

## *Aircraft & Defense Cutting Tools*

### **- Rivet Shavers**

We have been awarded no substitute for certain customers because our Rivet Shavers are ground to a process that ensure no dome left at the center of the rivet.

### **- Drivematic Drills**

Our grinding process ensures close TIR for diameters, chamfer angles and drill point angles. We have the capabilities to make these tools from HSS, HSCO and solid carbide.

### **- Threaded Shank Tooling**

We make threaded shank counterbores, reamers, andreamers in solid carbide or carbide tipped material

## *Automotive Cutting Tools*

We are experts at complex round tools in HSS, HSCO, solid carbide, carbide or CBN tipped material.

## *General Industry Cutting Tools*

Having a hard time finding a reliable vendor for your more complex tools? We fill this void exceptionally, with great pricing and lead times.

## *High Volume Cutting Tools*

Blanket orders or consignment agreements on tools that have a high volume requirement can be worked out with customers to ensure the best pricing and availability of tools.



## *"G" Series Drill*

These drills eliminate reaming in many cases, these high precision drills are manufactured to drill from a solid with datum, size and finish control. With the addition of coolant through the tool, at minimum pressure of 750 PSI, size and finish control will improve along with ability to run faster speeds and feeds. Multi-diameter tools available with this model.



## *Special Application End Mill*

For holding close tolerance of straightness and finish to meet the demands of the design. Objectives were achieved by putting eight 45° spiral flutes on this 7/16 diameter end mill. A 4 micro finish on the flute face and primary clearance angles achieved a 16 micro finish on the cast iron part.



## *"S" Point Drivematic Drill*

This point design has been developed using a chordal hook flute and unique split point. These features decrease torque which in turn decreases the exit burr. Tool life of three to five times has been obtained while drilling Titanium and Inconel.



## *Bore Reamer*

Our Bore Reamer has proven itself in running controlled CPKS' on datum location, roundness, and size control from a cored hole. The application should be a through hole which will allow forward chip evacuation. Faster speeds and feeds can be expected, for more efficient machining.



# Capabilities

## ***BRAZING***

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Good brazing is an indispensable component of good tools. We have nothing but artists in this area with years of experience and “the touch” it takes to do the very best quality work.

## ***QUALITY CONTROL***

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The quality assurance department meticulously checks and certifies our tools to assure exact adherence to specifications. A certified inspection piece will be identified in each shipment.

## ***CYLINDRICAL GRINDING***

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Cylindrical Grinding to plus or minus 50 millionths is common-place at LRT. Today's high quality parts demand closer tolerance than ever before. We grind with conventional and CNC equipment.

## ***CNC GRINDING***

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Highest quality and consistency comes from our CNC grinding department. We have two-, four-, five-, and six axis grinders available to perform to your most demanding requirements.

## ***RESHARPENING***

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A large sharpening area is maintained for tools that can be more effectively ground manually. Several of our manual sharpening employees have up to 25 years experience. LRT uses a sharpening fixture designed and built by our own tool makers.



## ***MILLING***

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Our milling department is second to none. We have a diverse array of CNC mills, both vertical and horizontal.

***A certificate of inspection will be furnished on all tools.***



## ***TURNING***

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Tools are turned on late model CNC turning centers or manual lathes according to quantity and complexity.

## ***SALES***

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Whether your orders are placed by mail, fax, phone, e-mail, or in person. Our highly qualified staff stands ready to assist you.



## ***ENGINEERING***

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If you have your design and prints, great. If not, we offer a complete design service. Fully detailed prints and AutoCAD files are furnished to you on completion of the project.

OTHER ARCH COMPANIES



## LITTLE ROCK TOOLS

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*Together we can help you!*

We are a family of American Made products and services guided by the goal to be your ultimate source for precision metalworking tools. The same strong and complimentary relationships between our companies exist with our customers. Working together, we provide the best products at the best prices with superior customer service.

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