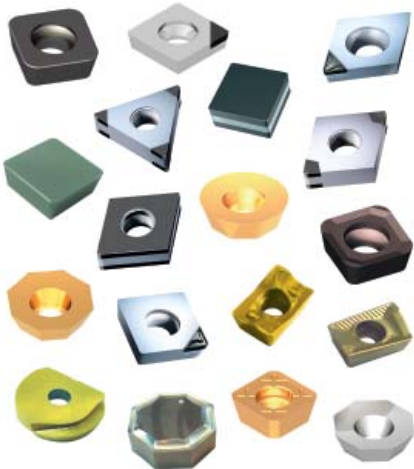


Manufacturer of Milling Products

Engineered Custom & Standard Tooling



Custom Tooling



Inserts



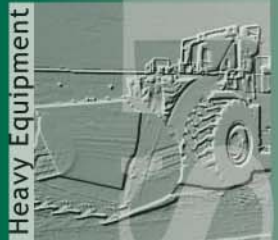
Standard Tooling



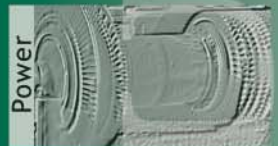
Automotive



Aerospace



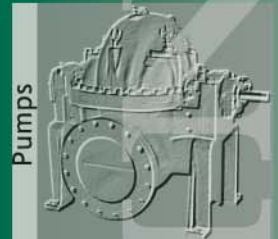
Heavy Equipment



Power



Farming



Pumps

Tooling for Industry



LOVEJOY Tool Company, Inc.

1-800-TheVermontMillPeople

Since 1917

Located in Springfield, Vermont . . .

- Designing and manufacture of quality cutting tools since 1916
- Offer one of a kind cutting tools and standard product line
- Experience in wide variety of industries including
 - Automotive
 - Aircraft
 - Power Generation
 - Mold and Die
 - Heavy Equipment
 - Aerospace
 - Marine
- Design & manufacture one of a kind cutting tools, sizes from under 1" to 55" diameters
- Experience in machining
 - Cast Iron
 - Super Alloys
 - Composite (CFRP)
 - Aluminums
 - Steels
 - Stainless Steel
 - Non-ferrous



Gray Iron Tooling . . .

- Unique designs allow high speed machining at min HP
- Advanced coated carbide or silicon nitride inserts
- D.O.C. up to .350" at high feeds and speeds

High Velocity Tooling . . .

- XR tooling optimizes HP utilization
- Inserts with eight cutting edges
- High-performance metal removal
- XR45 Cutter accepts round or the octagon inserts
- XR90 series tools allows 90° shoulder machining



PCD / CBN Tooling . . .

PCD

- Machine the following materials
 - Graphite composites
 - Composites and plastics
 - Metal Matrix Composites (MMC)
 - Graphite
 - Silicon aluminum

CBN

- Machine the following materials
 - Gray cast iron
 - Chilled irons
 - Super Alloys
 - Powder metals
 - Hard steels 45 RC +



Specialty Niche - When standard tools aren't up to the job, think LOVEJOY Tools . . .

- Engineered solutions
- Custom design and manufacture of milling tools or inserts
- LOVEJOY Tool is known for being a creative solution provider in the milling industry
- The LOVEJOY Tool difference is our solution-oriented drive, our spirit of innovation and our personalized customer service



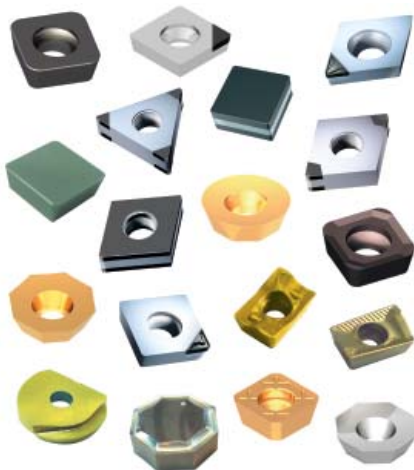
Custom Tooling . . .

- Unique one of a kind
- Standard inserts, special cut diameters
- Special inserts & special cut diameters
- Combined operations, one tool

Die & Mold Tooling . . .

- Mold & die tools designed for cavity machining applications
- Exceed the normal accepted length to diameter ratios of most modern tool builders

This particular requirement absolutely demands that the geometry of the tool be optimally suited for the workpiece material from which the mold or die cavity is being machined



Inserts . . .

- Inserts for crucial operations such as
 - Contouring
 - Slotting
 - Facing
 - Boring
 - Ramping

LOVEJOY Tool can customize tools and inserts to solve your special needs

Solid Carbide End Mills . . .

- Various coatings available
- Variety of custom made solid carbide tooling
- Produce a form in one pass
- Designed & manufactured to your specifications



Special Porting Tools . . .

- Variations of Standards:
 - ISO6149-1
 - SAE192611
 - SAEJ-224411
 - SAEAS5202
 - MS16142
 - SAEJ514
 - ISO11926-1

Variety of Standard Tooling . . .

- Face Mills
- Stepdex Face Mills
- End Mills
- Ball Nose End Mills
- Slotters
- Slab Mills
- Plunging Tools
- Inserts
- PCD / CBN Tooling



Our commitment to customers . . .

LOVEJOY Tool manufactures standard and one-of-a-kind custom-designed high-performance tooling

- Solving customers needs
- Delivering innovative and cost-effective solutions in a timely manner
- Ensure customer satisfaction
- **Challenge us with your custom tooling needs!**

LOVEJOY Tool Company Products are sold through distributors in North America and throughout the world. Domestic and international sales and applications support are handled from our Springfield, VT headquarters