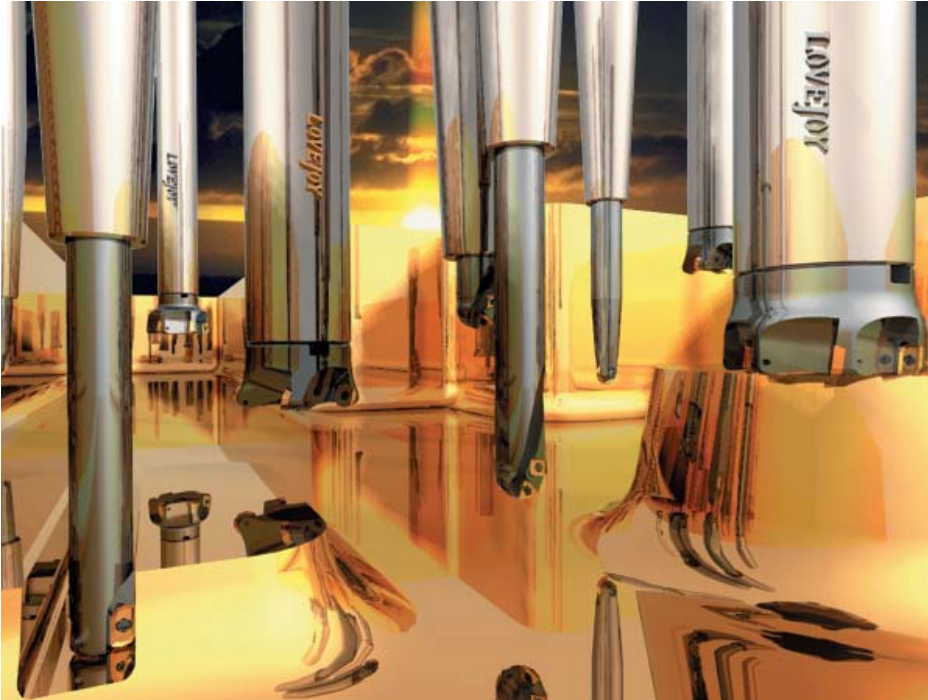


Manufacturer of Milling Products

Engineered Custom & Standard Tooling



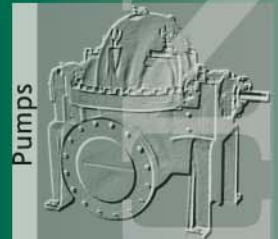
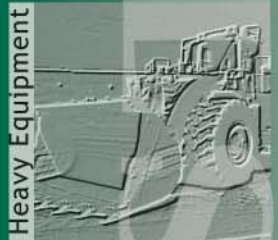
Standard Tooling



Inserts



Custom Tooling



Tooling for Industry



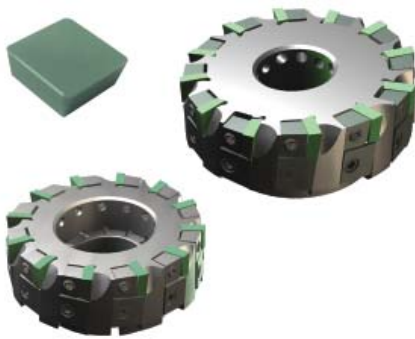
LOVEJOY Tool Company, Inc.

Since 1917

1-800-TheVermontMillPeople

Located in Springfield, Vermont . . .

Lovejoy Tool Company has been designing and manufacturing quality cutting tools since being founded by Fred Prescott Lovejoy in 1916. Since Lovejoy's beginning, Lovejoy Tool has been offering quality cutting tools to a wide variety of industries including Automotive, Heavy Equipment, Aircraft, Aerospace, Power Generation, as well as Marine to name a few. Lovejoy Tool offers a standard product line of cutting tools and an experienced Engineering staff that routinely designs and manufactures unique, one of a kind tools to meet Lovejoy customer's part specification. Lovejoy has designed and manufactured cutting tools as large as 55" in diameter and under 1.00" diameter. Lovejoy is producing cutting tools that are used in machining materials from Cast Iron and Steels to state of the art Super Alloys and Composite structures. Lovejoy Tool Company is proud to be a supplier of quality standard and unique designed cutting tools to a varied customer base for over ninety years.



Gray Iron Tooling . . .

Stepdex is a face mill that is unique, acting as a flycutter with multi-tooth, rotary broach effect.

Using Silicon Nitride inserts the stepdex series tooling can take depths of cut from .150 to .350 at feeds and speeds far beyond conventional cutters using carbide inserts.

High Velocity Tooling . . .

XR Shell & End Mills are multi-purpose high positive geometry cutters that optimize horsepower utilization. XR45° inserts with the eight cutting edges are capable of high-performance metal removal from your machines using minimal horsepower.

To extend the application range of the XR45° tools, the pockets are designed to accept either the round or the octagon inserts. The XR90° series tools allows 90° shoulder machining with our square dished face inserts.



PCD / CBN Tooling . . .

PCD is best used in non-ferrous materials with high abrasion resistance. Optimal results are achieved when using PCD to machine: silicon aluminum, graphite, graphite composites, metal matrix, composites and plastics.

CBN tooling is best used in hard ferrous materials 45 RC and higher, as well as in gray cast irons. It is ideally suited for machining the following materials: class 30 cast iron, powder metals, chilled irons and hard steels 45 RC and higher.

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

There may be larger companies than LOVEJOY Tool, but none is better at your special challenge or need, engineering the solution, and then custom designing and manufacturing the milling tool or insert you require. LOVEJOY Tool is known for being a creative solution provider in the milling industry and is eager to take on your special machining needs. The LOVEJOY Tool difference is our solution-oriented drive, our spirit of innovation and our personalized customer service.



Custom Tooling . . .

LOVEJOY designs and manufactures all of our tooling! We have a standard line of tooling but, if you do not find a Standard Tool for your milling application in our product line then check out our custom milling tools!

Here at LOVEJOY, custom tooling is big business!
Challenge us with your custom tooling needs!

Die & Mold Tooling . . .

LOVEJOY's mold & die milling tools are designed for the requirements encountered during cavity machining applications. Mold & die applications necessitate the use of cutting tools that 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 . . .

LOVEJOY milling tools deliver optimal performance in all your crucial operations, such as contouring, slotting, facing, boring and ramping. LOVEJOY's standard inserts can handle your production challenge, and LOVEJOY Tool can customize tools and inserts to solve your special needs.

An eye to the future . . .

Today, LOVEJOY Tool maintains that leading spirit in the manufacture of standard and one-of-a-kind custom-designed high-performance milling tools to meet the needs of customers in today's industries, such as, aerospace, medical equipment component, automotive, agricultural, power generation manufacturing and many others. From mold and die tooling to high speed milling of gray iron and diamond tooling for precision jobs, LOVEJOY Tool can handle any milling challenge present, including those special situations requiring custom designed tools.



Porting Tools . . .

LOVEJOY's porting tools combine multiple operations into one tool. These porting tools can produce a form and provide the finish required for your application in one pass. Porting tools are used to machine high-pressure hydraulic fittings and internal straight thread o-ring ports. LOVEJOY Tool designs and manufactures any configuration of porting tool to meet your application needs.

Variety of Tooling . . .

If we do not have a tool to meet your machining needs then we will custom design and manufacture one for you.



Our commitment to customers . . .

LOVEJOY Tool takes great pride in solving our customers needs, therefore, LOVEJOY Tool delivers innovative and cost-effective solutions in a timely manner, to ensure customer satisfaction. That's why so much of LOVEJOY's business is with repeat customers or others referred by current customers.

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.

www.lovejoytool.com • (800) 843-8376 • (802) 885-2194 • Fax (802) 885-9511