



microlap
technologies inc.

The logo features a stylized, curved arrow pointing to the right, with a diamond shape at its tip. The word "microlap" is written in a bold, lowercase, sans-serif font, and "technologies inc." is written in a smaller, italicized, lowercase font below it.

Microlap Technologies, Inc.

- Manufactures and modifies high-precision industrial components from synthetic ruby, sapphire, ceramic and other extremely hard materials.
- Created by the Federal Government in 1952 as the William Langer Jewel Bearing Plant.
- Privatized in 1996 as Microlap Technologies, Inc.
- Located in Rolla, ND
- 33,000 square foot facility
- Approximately 55 Employees



Microlap Management



- Steve Arvidson – President/CEO



- Linda Juntunen – COO



- Tom Neameyer – VP Sales & Marketing

Product Portfolio includes:

- Ferrules
- Orifices
- Windows
- Rods
- Bearings
- Plates
- Insulators
- Bushings
- Sleeves
- Nozzles
- Lenses
- Pins
- Balls
- Spacers
- Pivots
- Blades

Hold Tight Tolerances:

- ID within 0.0005 mm (.000020”) and roundness within 0.0018 mm (.00007”).
- Concentricity within 0.0005 mm (.000020”).
- OD and roundness within 0.001 mm (.000040”).

Industries Served

1. Fiber Optics

- Ceramic Ferrules and Sleeves

2. Aerospace and Defense

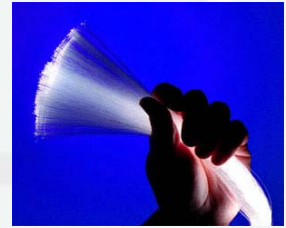
- Jewel Bearings

3. Water Jet Cutting and Cleaning

- Orifice/Nozzles

4. Medical

- Custom Manufactured Components



Fiber Optic Ferrules

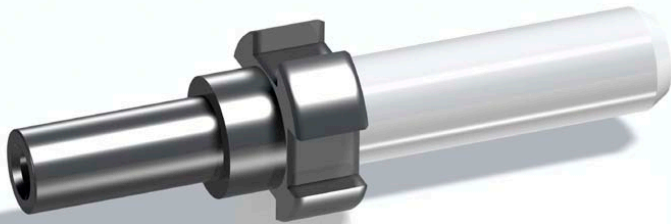
Standard sizes available:

- ST
- MU
- 1.58 mm OD
- SC
- APC
- 2.00 mm OD
- LC
- SMA



Custom Modifications Include:

- Multi-step OD
- Countersinks
- Flats
- Epoxy Vent Holes
- Any Angle Chamfer
- Slots



Solid & Split Sleeves

Standard Sizes Available:

- LC •1.58mm ID
- SC •2.00mm ID

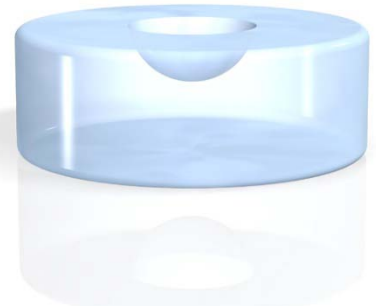
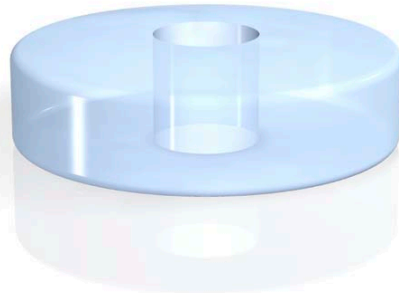


Custom Modifications Include:

- Notches
- Counter bores
- Partial slots

Jewel Bearings

- MS (Military Standard) Jewels
- Standard or Custom Manufactured
- Synthetic Ruby and Sapphire



Orifice/Nozzles

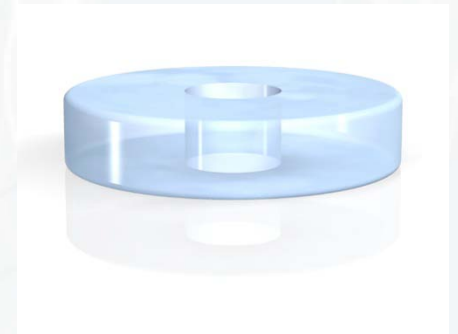
- Synthetic Ruby and Sapphire
- Standard or Custom Manufactured



Cup Orifice



Vee Orifice



Bar Hole Orifice

Other Products:

Visit our website www.microlap.com
to see our full selection of standard
products or submit your own custom
component drawing.

