

Manufacturing the Highest Quality Custom-Fabricated Components

Eagle Stainless does it all: • Bending/coiling • Flaring/flanging • EDM (ram type) • CNC screw machine • Sand/grit blasting • Bulging • Notching/slotting • Assembly • Re-drawing • End forming • Swaging • Centerless grinding • Welding/brazing • Laser welding • Laser cutting • Laser notching • Laser etching • Electropolishing • Passivation • Corsetting • Annealing • Radius end closures • Spherical, pointed or flat end closures • General machining • Drilling/reaming • Deburring • Honing • Bevel cutting • Chamfering • Knurling • Threading

CNC Machining - Specializing in CNC machining, Eagle has been delivering highly accurate, intricately formed stainless steel parts for almost three decades. Working on diameters ranging from .030" to 2" we're ready to meet the needs of your most demanding applications.

Closed End Tubes - Closed end tubes are spun closed and welded shut in various end configurations: round, flat or pointed. All tubes are tested to insure there is no porosity or leakage.



CNC machining centers assure repeatable precision in all Eagle Stainless products



Precision-machined parts fresh from a cutting oil bath in one of the Eagle CNC machining centers.

Machinist setting up for a new run at an Eagle wire electronic discharge machining center.



Flaring, Bulging & Reductions - Flaring, bulging and end reduction of tubing is an everyday precision process at Eagle. Special tools and procedures have been developed to insure repeatability for proper mating of flared, bulged and end-reduced tubes.



Flaring



Bulging



End reduction

Assembly - Assembly of multiple parts to achieve a single component can be accomplished by various methods such as welding, threading, epoxy, etc. Eagle works to exact customer specifications, as well as the recommendations of our engineering experts, to achieve the lowest costs and the highest quality.



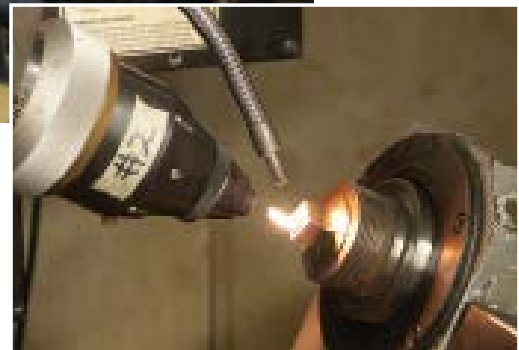
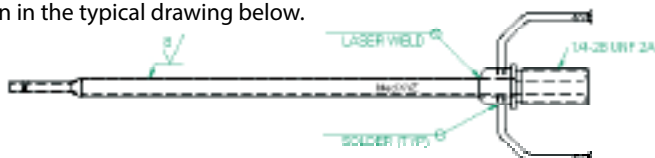
Medical implement for carpal tunnel surgery is an assembly of notched and flared tubing laser welded to a forked scalpel.

Two examples of laser welded assemblies are shown above.

Welding & Brazing - Welding, brazing or soldering of standard or custom-made components to customer drawings or specifications are performed on state-of-the-art equipment including computer-controlled, laser machining centers as shown below.



Computer controlled laser machining equipment enables extremely close-tolerance cutting, notching, etching and welding operations. Some assemblies require both laser welding and soldering as shown in the typical drawing below.



Hot stuff. Laser machining in process!