

Service & Sales, Inc.



Tubes



Specialized in
Tube Assemblies



Tub

Service & Sales, Inc.

SSI brings you the same commitment to total quality, manufacturing excellence, technical expertise and unparalleled service to customers you have come to expect from SSI for over thirty years.

SSI's team of seasoned technical experts produces tube assemblies for the most demanding markets including the aircraft and defense industries. These contractors demand reliability, on time delivery, and quality products to their unique and exacting specifications. That's why they turn to SSI. They know our total systems approach to specialized tube assembly technology enables us to fill their intricate production needs. Whether serving the industrial, military, or aerospace markets, you can trust SSI to meet your needs in close tolerance, precision tube assemblies.

Quality Assurance:

Understanding the needs of our customers, SSI guarantees quality through detailed planning, training, specialized techniques and rigorous process controls. Continuous improvements are realized in manufacturing with over 30 years of providing all our customers with on time deliveries and to the most uncompromising standards in the business - our own. Our computerized systems, CMM, VMM, CAD, CAM, and computerized job tracking, stand ready to receive your specifications. Coordinate measuring of close tolerances ensures parts "to print".

Our quality system meets or exceeds ISO 9002/AS9000 and all test and inspection equipment is calibrated to ISO 10012, certified by customers and independent auditors.

Our customers can be assured that their parts are accurately produced on modern equipment with tolerances maintained and verified with calibrated inspection equipment such as CMM (Coordinate Measuring Machines), Optical Comparators and Class 3 Thread Inspection to function size limits.

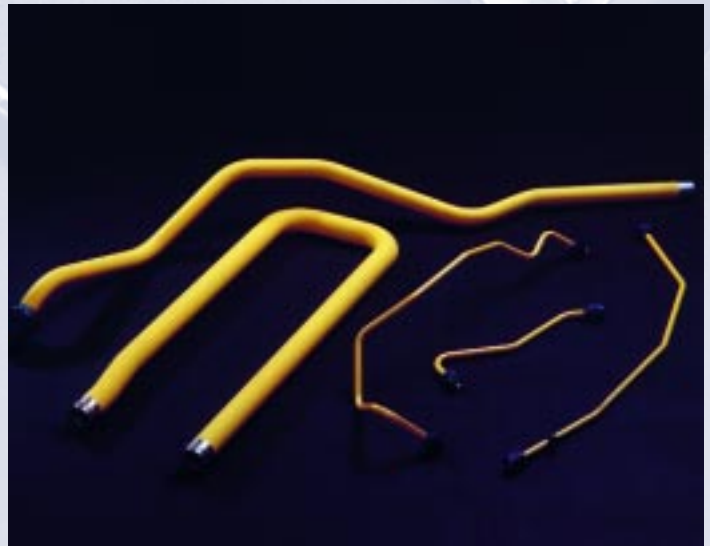
On precision tube assemblies we inspect using the leading edge of quality control technology with both stationary non-contact LASER VMM (Vector Measuring Machines) and portable VMMs.





These pictures give evidence as to the diversification and manufacturing aptitude of SSI. Displayed are aluminum, stainless steel, high alloy assemblies that have been through detail manufacturing and assembly stages, welded by our experienced and certified welders. Our ability extends into total fabrication of fixtures, and weldments.

If your requirements dictate welding, torch, or furnace brazing, you can again contact SSI for assistance with design or manufacturing.



Left: precise welding of ports and flanges to exacting specifications; **right:** complete assembly with machined and formed details, welded and riveted; **far top right:** stainless steel welded assemblies; **middle:** finished tube assemblies painted and identified to customer specifications; **bottom:** aluminum assemblies in a variety of unique configurations.

SSI possesses approvals with many of the major prime contractors, therefore broadening our ability to assist you with your customer requirements.

Dependable quality from start to finish.



At SSI, we incorporate total systems manufacturing capabilities to produce precision tube assemblies to your specifications within a single location. From conceptual designs to product shipment, we provide a total fabrication facility with lot control responsibility.

Tube Bending:

Our tube bending department is equipped to manufacture tube assemblies in-house that require bending, flaring, beading, swaging, and/or welding on flanges or ports. We have a very extensive inventory of standard bending tooling, but again if your needs require something special, we will design and manufacture that tooling to your requirements.



Turning:

A full range of CNC turning machines produce parts to your exact requirements. These machines offer the most precise and reliable methods for producing high tolerance parts.

Milling:

Whether aluminum, magnesium or high strength alloys — in castings, forgings or bar stock — our fully equipped CNC machining centers enable us to provide the highest quality finished product, with capabilities to 4 axes.



Finishing and Assembly:

From critical deburring to hand finishing of precision machined parts, SSI has the expertise to meet your needs. Approximately one third of the time spent in fabrication is involved in the completion and testing of complex assemblies.

NDT/NON-Destructive Testing:

Testing is a critical component in the manufacturing of tube assemblies. At SSI we use non-destructive testing techniques that include magnetic particle and pressure testing inspection methods to ensure the highest quality parts.

Call us at SSI. You can depend on our skill and dedication to produce high tolerance tube assemblies.

Front cover:

Tube assemblies that require bending, flaring, beading, swaging and welding.

Above:

top: complex assembly requiring fabrication to precise tolerances;

middle: finished assemblies including painting and insulation coverings; **bottom:** close tolerance machining of details done in-house.



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