

SPVG

SAMUEL Pressure Vessel Group



Global Leader in Pressure Vessel Fabrication

Message from the President



Dear Valued Customer,

Thank you for your interest in the Samuel Pressure Vessel Group. We are an integrated team of world class pressure vessel suppliers operating cooperatively within the manufacturing segment of Samuel, Son & Co., Limited.

Each of the pressure vessel companies within our group has developed unique strengths and innovations that make them leaders in their respective markets. Our group's pressure vessel fabrication abilities are virtually limitless. Whether you need an ongoing supply program for small standard vessels or if you have a one time need for very large engineered to spec pressure vessels, our team of over 750 professionals is ready to meet your needs.

By joining together and sharing our knowledge in specific areas such as purchasing, technical design, lean manufacturing, welding, ERP and many other areas; the Samuel Pressure Vessel Group feels that we are uniquely positioned to provide our customers with the most complete range of solutions and best overall value in the pressure vessel industry.



Thank you again for your interest. We look forward to earning your business and providing you with ***"Excellence Under Pressure"***.

Sincerely,

Barry Berquist
President SPVG



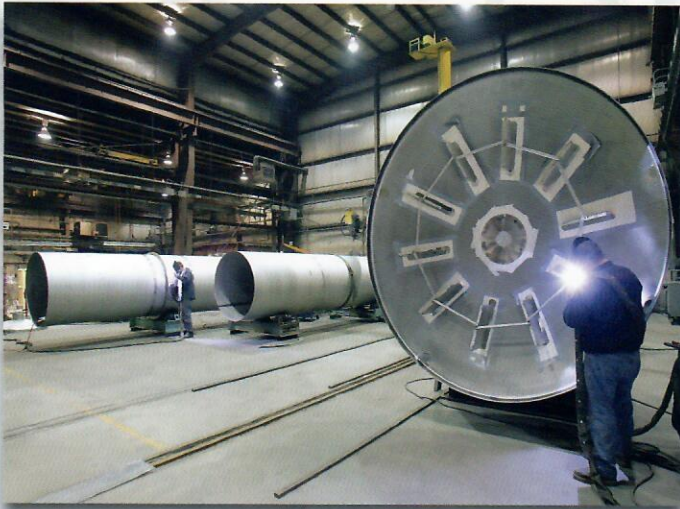
At a Glance

- Over 750 employees dedicated to excellence
- One of North America's largest manufacturers of pressure vessels
- Wide range of manufacturing capabilities
- Over 750,000 square feet of manufacturing floor space
- Numerous quality certifications (ASME, ISO, CE/PED, SELO, ABS, DNV, etc.)
- Products available in Carbon Steel, Stainless Steel, Hastelloy, Inconel, Alloy 20, Monel, AL6XN, etc.
- Products range from basic receiver vessels to highly engineered evaporator towers
- Vessels range from 6" diameter and 20 lb to 16' in diameter and over 160,000 lb
- Quantities range from 1 piece engineered to order products to annual quantities of 10,000 pieces managed through kanban, JIT and consignment stocking programs



The Capabilities

- Vessels from 6" to 192" in diameter
- Carbon steel, stainless steel, and higher alloys
- Pressure from full vacuum to 3,000+ PSI
- Fabrications up to 160,000 lb plus
- CNC plate rolling
- CNC punching
- CNC laser cutting
- High definition plasma cutting
- Robotic welding
- Robotic plasma burning
- Half pipe and dimple jackets



Product Types

- Air Receivers
- Air Brake/Air Starter Receivers
- Water Treatment Vessels
- Oil Separators
- Filter Housings
- Pressure Pots
- Process Tanks
- Heat Exchangers
- Fluid Storage Tanks
- DOT Shipping Containers
- Hyperbaric Chambers
- Reactors
- Fermentors
- Evaporators and Dryers
- Digesters
- Portable Batch Equipment
- Calandrias
- Tank Heads and other Components
- ASME B31.3 Process Piping

Material of Construction

- Carbon Steel
- Stainless Steel
- High alloys including Hastelloy, Inconel, Alloy 20, Monel, AL6XN, etc.
- Aluminum (pressure vessel heads)

Engineering

- ASME Section VIII Division I
- Compress
- Inventor Solid Modeling
- 25 Person Design Team

***Experience with
"Engineered Spec Jobs"***

Finishing Options

- Powder Coating
- Enamel Wet Paint
- Primer Coat
- Epoxy Lining
- Rubber Lining
- Mechanical Polished Stainless Steel
- Electro Polished Stainless Steel
- Galvanized Finish
- Plating
- PVC Coating

Specialized Testing Options

- Radiography
- Dye Penetrant
- Ultrasonic
- Helium Gas Test
- Riboflavin
- RA Finish
- Borescope
- Saline Test
- Positive Material Identification (PMI)

Wide Variety of Vessel Codes

- | | |
|----------------|----------|
| • ASME | • MOM |
| • CE/PED | • NR-13 |
| • AD-Merkblatt | • GOST |
| • MHWL | • B31.1 |
| • SAEJIO | • AS1210 |
| • USCG | • API |
| • CRN | • SELO |
| • DOT/UN | • DNV |

(Please call for codes not listed above.)

Other Services

- Documentation Packages Available
- On-site Inspection Coordination

The Products



Shipping containers, filters, and air receivers



Process tanks



Lethal service storage vessels



Hyperbaric chamber



Industrial ASME air receivers



Water filtration tanks



Shell & tube heat exchangers



Reactor vessel



Commercial ASME air receivers



Paint pots



130,000 lb Shell and tube heat exchanger

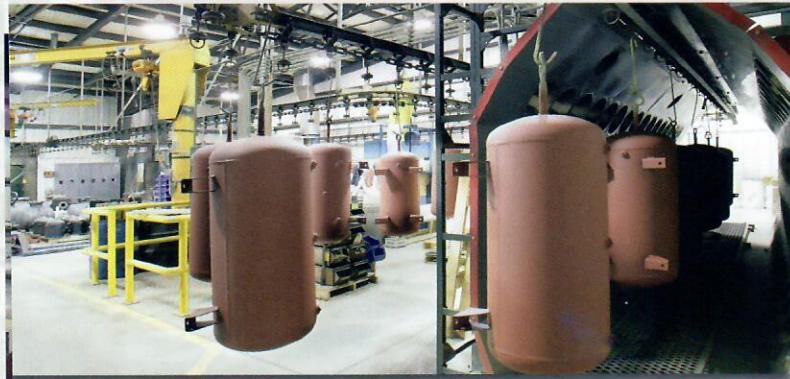
The Equipment



Full penetration half pipe – automated welding



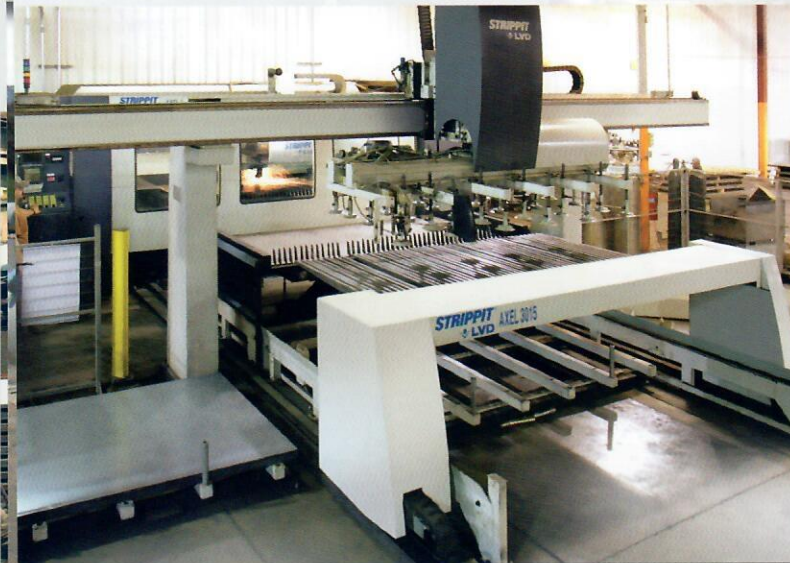
Electro-polishing systems



Conveyor driven finishing lines



High definition plasma burning



Laser burning machine



In house x-ray testing chamber and equipment



Robotic welding



Flow lines for standard products



Tank head forming equipment



In house machining



Heavy wall welding & material handling equipment

The Markets



Air Compression



Pharmaceutical



Chemical & Plastics



Defense



Mining



Oil & Gas



Dairy, Food & Beverage



Renewable Energy



Water



DOT / Transportation



Diving / Medical Hyperbarics

SPVG



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The Brands of Excellence



Silvan Industries
2121 Cleveland Avenue
P.O. Box 767
Marinette, Wisconsin
54143

Tel: 715.735.9311
Fax: 715.735.5488
www.silvanind.com



LZR FIT
1119A Bridge Street
Tomahawk, Wisconsin
54487

Tel: 715.453.5326
Fax: 715.453.6531
www.lzrfit.com

STEEL FAB

STEEL FAB
58 Samuel Way
Lebanon, Virginia
24266

Tel: 276.628.3843
Fax: 276.628.7865
www.steelfabtanks.com



Northland Stainless
1119A Bridge Street
Tomahawk, Wisconsin
54487

Tel: 715.453.5326
Fax: 715.453.5357
www.northlandstainless.com



SPVG Canada
768 Westgate Road
Oakville, Ontario
L6L 5N2

Tel: 905.847.2770
Fax: 905.847.9088
www.spvgcanada.com

Excellence Under Pressure