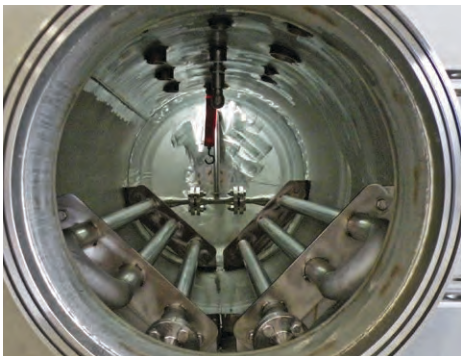
Statement of Qualifications

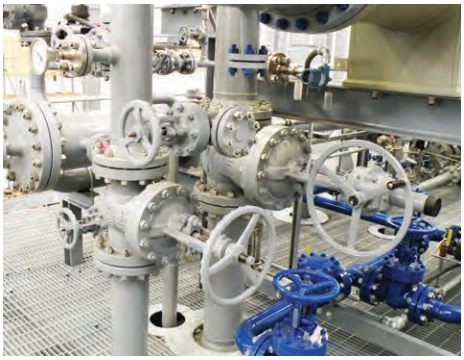
Solvent Recovery & Wash | Biowaste Sterilization | Custom Process Skids | Service

700 Industrial Drive, Dupo IL 62239, (800) 732-3793, www.prisystems.com



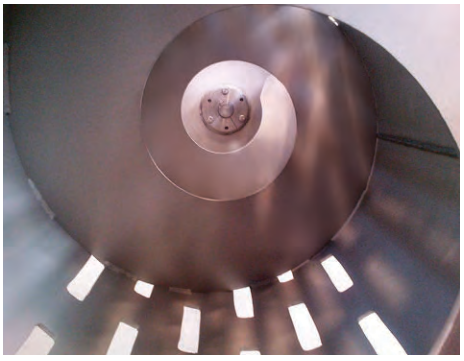




CAUTION







Progressive Recovery, Inc.

Company Profile

Progressive Recovery, Inc.

Progressive Recovery, Inc., strives to be a global leader in the design and manufacture of specialized, custom designed equipment for the processing of hazardous materials, liquid waste streams and bio-containment systems. Through development of innovative clean technologies, PRI is committed to serving industry and government in the search to develop safe, efficient and economical solutions to reduce or eliminate hazardous waste. The Company aims to make its clients more competitive, more compliant, more profitable, and more environmentally friendly.

Founded in 1983, Progressive Recovery is a well-established, well-capitalized and profitable, employee-owned 'C' corporation. PRI provides industry with innovative, customized designs and specialized solutions for managing hazardous material, liquid and solid waste processing equipment, and has more than 3,300 systems installed in over 39 countries worldwide.

2009 Facility Expansion (now over 60,000 sq. ft. total manufacturing space)

PRI is a leader in fluid processing, modular equipment design, and bio-containment systems. Its systems are custom designed to meet the specific needs of the client, each solution incorporating the Company's core design criteria of reducing chemistry costs, reducing manpower requirements, and reducing environmental impact.

The Company principally operates in four business segments Solvent Wash & Recovery, Biowaste Sterilization, Custom Process Skids, and Service.

Solvent Recovery & Wash | Biowaste Sterilization | Custom Process Skids | Service

700 Industrial Drive, Dupo IL 62239, (618) 286-5000, www.prisystems.com

Progressive Recovery, Inc.

Approach & Philosophy

Progressive Recovery, Inc.

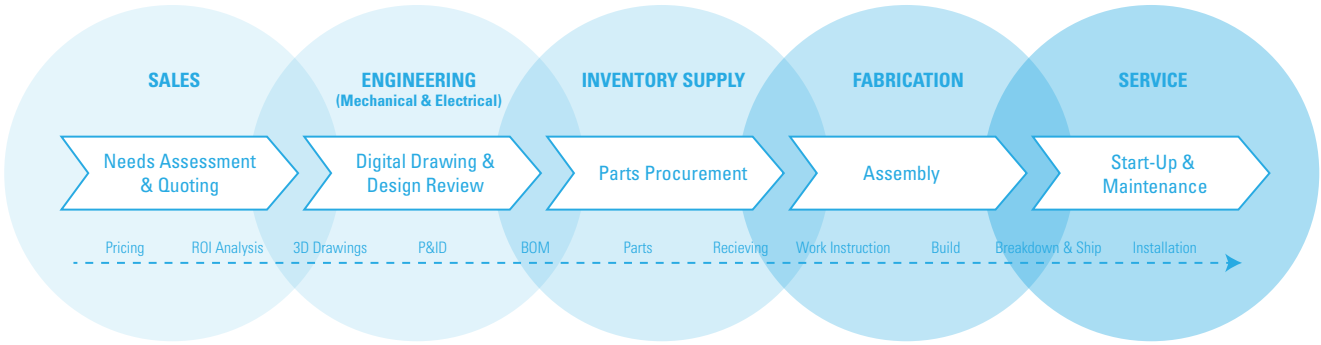
Our philosophy has always been to provide solutions to client's needs that yield client's a positive return on investment in terms of reliability and performance.

- We design and build systems to the highest standards to deliver reliable performance in difficult environments.
- We want the results of the project to meet or exceed the expectations of the client, making us the vendor of choice for future projects.

As a full service vendor, PRI has the ability to manage a project from the initial identification of a need to the commissioning and continued support of the equipment. The process begins with a thorough evaluation of the situation, the needs, and the desired results.

Discussions with our engineering staff will result in the creation of a conceptual solution. To validate this concept we may use computer simulation of the process, testing in our laboratory, and/or additional engineering design work. Further testing may be done after the completion of engineering to again validate the concept of the equipment and the methodology that will be used for the full scale system.

Detail design and fabrication of the system takes place with our in-house engineering team closely supervising and monitoring the progress. Our engineers and field service staff work closely with the client during the installation and commissioning of the equipment.



Solvent Recovery & Wash | Biowaste Sterilization | Custom Process Skids | Service

700 Industrial Drive, Dupo IL 62239, (618) 286-5000, www.prisystems.com

Progressive Recovery, Inc.

Capabilities

Expertise

- **Pressure Vessels:** custom vessels with ASME, SELO, UL, CUL, PED and other international certifications for industrial applications.
- **Heat Transfer Systems:** steam, thermal fluid and electric systems for process heating and cooling applications.
- **Process Control:** integrated process controls for complete automation of complex process systems.
- **Distillation Systems:** to process and recover waste solvents, oils, biofuels, and other chemicals, and reduce waste.
- **Automated Solvent Wash Systems**: to provide automated cleaning of converting press parts.
- **Biowaste Sterilization:** liquid and solids waste destruction and sterilization for high containment research laboratories.
- **Oil & Gas Separation:** membrane and mole sieve separation and purification systems to meet our client's exacting specifications.
- **Modular Process Systems:** integrated, automated modular process systems for a wide variety of process applications.
- **Contract Manufacturing:** PRI offers engineering review and completion as well as comprehensive manufacturing capabilities to produce fully integrated process systems of our client's design.

Disciplines

- Mechanical Engineering
- Electrical Engineering
- Control Systems Integration
- Structural Engineering
- Process Engineering
- Chemical Engineering
- Design Team
- Project Management
- Certified Welders
- Structural Fabrication
- B31.3 Process Piping
- ASME Section VIII Vessels
- UL Panel Shop
- Insulating
- Machining, Rolling, Bending
- Sandblasting & Painting
- Safety Programs & Protocols

Solvent Recovery & Wash | Biowaste Sterilization | Custom Process Skids | Service

700 Industrial Drive, Dupo IL 62239, (618) 286-5000, www.prisystems.com

Progressive Recovery, Inc.

Solvent Wash & Recovery Systems

Product Divisions

PRI is the leader in the design and manufacture of Resource Recovery distillation and separation systems for the Paint & Coatings, Consumer Package Printing Industries and General Manufacturing where flammable and combustible solvents are used. Our core technology is in a broad range of solvent recovery and solvent recycling systems, custom-made to meet specific application requirements. Vacuum modules, supply and receiver support tanks, closed loop process automation systems, enhanced safety packages and options to improve operator interface are just a few of the common additions.

Distillation Systems

Distillation Systems:

PRI offers both scrape-sided and non-scraped distillation systems, for operations generating solvent-laden process waste. The units offer the highest BTU rating in the industry, and can operate in either batch or continuous modes. All models are constructed for Class I, Division 1, Group D environments. Each system complies with NFPA and NEC codes applicable to the vessel and installation.

Automated Solvent Wash Systems

Automated Solvent Wash Systems:

PRI Solvent Wash Systems (SWS) are enclosed wash systems designed primarily for press parts cleaning in the packaging printing industry Our SWS are often incorporated into complete turn-key solvent recovery and recycling systems, feeding into one of our distillation units in a closed-loop system. Systems are automated and designed to maximize production and minimize the need of operator oversite.

PlateVac™ Flexo Wash

Photopolymer Flexographic Washout Systems:

The PlateVac™ line is a series of fully enclosed and self-contained distillation system, designed for closed loop interface and direct support of photopolymer plate processor. PlateVac™ is designed and rated specifically for a Class 1, Division 2 enclosed environment and include spent solvent feed tank, distillation unit and clean solvent supply tanks inside a swept cabinet enclosure. It includes a patented Surrogate Solution Replacement (SSR) technology which replaces valuable solvent in the distillation vessel with a lower cost replacement high boiling liquid, making the system more efficient and economical.

700 Industrial Drive, Dupo IL 62239, (618) 286-5000, www.prisystems.com

Progressive Recovery, Inc.

Biowaste Sterilization

Product Divisions

PRI-Bio is the global leader in biowaste treatment systems for environmental waste at biological containment facilities worldwide. Since 1999, PRI-Bio has provided safe, cost-effective solutions to research laboratories, including the most advanced High Containment BSL3, BSL3-AG, BSL3 Enhanced, and BSL4 facilities, thermally treating liquid waste streams and solid biowaste created from drains, sinks, showers, autoclave, necropsy and other waste water discharge.

Tissue Digester Systems:

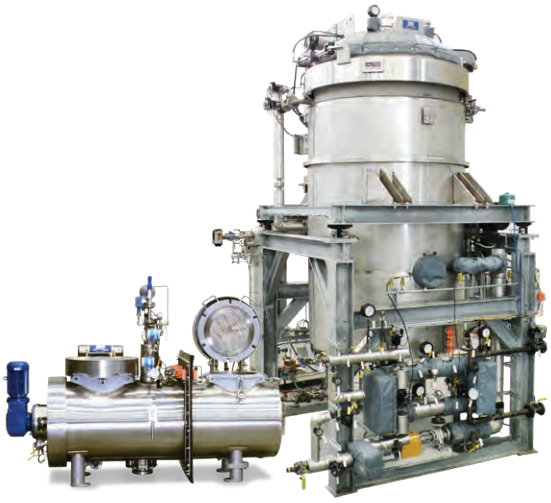
PRI-Bio's patented third generation Thermal Tissue Digester™ (TTD) represents a revolutionary advancement in carcass disposal, by using agitation and heat to break down tissue with alkali, minimizing water and caustic in the process. Available in both a vertical or a horizontal configuration, the TTD offers the lowest total overall cost for carcass disposal, lowest water and caustic consumption, and lowest operating expense over alternative systems and over incineration. The TTD offers the smallest footprint for efficient lab space use, while eliminating the hassle of manual cleaning.

ThermoBatch™ Effluent Sterilization:

Capable of handling liquids and solids, PRI-Bio's ThermoBatch™ is one of the most versatile sterilization technologies on the market. It also does not require chemicals for sterilization, making it an environmentally conscious option. ThermoBatch™ (EDS) sterilizes biologically active wastewater in BSL-2 through BSL-4 research labs prior to discharge. The system provides "proof of process" documentation, ensuring that steps are being taken to protect public safety and the environment.

AutoFlow™ Effluent Sterilization:

Designed specifically for laboratory users, including research, virology, vaccine, GMO, CMO, forensic, hospitals, clinics, and isolation units. Design centralizes collection and treatment of liquid from different sources (sinks, showers, washers, process waters) from single-suite labs to large, multi-user facilities. Our newest option, the AutoFlow™ Sink offers sterilization in a compact plug-n-play footprint. Perfect for small laboratory or mobile laboratory environments.



Thermal Tissue Digesters™ (TTD)

Caustic Digesters Units™ (CDU)

AutoFlow™ & ThermoBatch™ Effluent Systems
(from left to right)

700 Industrial Drive, Dupo IL 62239, (618) 286-5000, www.prisystems.com

Progressive Recovery, Inc.

Integrated Systems & Modular Process Solutions

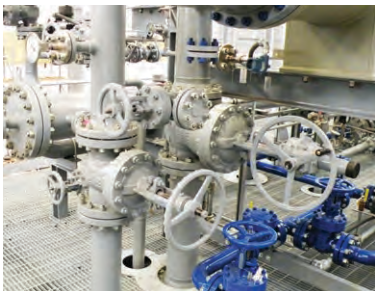
Product Divisions

PRI operates as a contract manufacturer of modular processing systems for clients with existing designs and concepts. The company utilizes this segment of its business to explore emerging market opportunities and develop technical expertise supporting new technologies. The Company provides design consultation services as requested and manufactures in conformance to applicable standards such as ANSI, ASME, PED and other required standards, while control panels are fabricated in the Company's own UL certified panel shop.

PRI uses a complete turnkey project flow process for every job that we receive. Our engineering scope typically includes: 3-D modeling, general arrangement drawings, structural and piping detail drawings, ASME vessel drawings and calculations, junction box schematics and conduit layouts. Manufacturing responsibility included all piping, vessel and structural welding, painting and coatings, assembly, electrical, factory acceptance testing, and shipping preparations.

Integrated Systems Division Services Offered:

- Complete turnkey modular systems including quoting, design, engineering, fabrication, controls and field startup.
- Conceptual designs based on client's P&ID
- Conformity to client project specifications
- Project management
- Electrical engineering
- Mechanical engineering
- Fully enclosed, in-house fabrication



Progressive Recovery, Inc.

Distinguished Clients

3M
American Fujiseal
Anheuser-Busch
BEMIS
Boeing Company
Boston University Medical Center
Burns & McDonald
Catterpillar
Centers for Disease Control
Colorado State University
Conoco Phillips
Cornell University
Dow Corning
DuPont
Eastman Chemical
Eastman Kodak
Emerson
Haliburton
Hill Air Force Base
HyRadix, Inc.
Koch Modular Process Systems
Lubrizol
Membrane Technology Research, Inc. (MTR)
Merrick
Monsanto
National Institute of Health
North Carolina State University
Penn State University
PPG Industries
Rezenke Regional Hospital
RJ Reynolds Tobacco Company
Rustoleum
Sherwin Williams
Smith-Carter
Solutia
Sonoco Packaging
Southern Alliance for Clean Energy
Sun Chemical
Thoikol
Tufts University
U.S. Government
University of Guelph
University of Tennessee
UOP- A Honeywell Company
URS Engineering Systems & Technologies
USAMRIID (United States Army Medical Research Institute for Infectious Diseases)

700 Industrial Drive, Dupo IL 62239, (618) 286-5000, www.prisystems.com

Progressive Recovery, Inc.

The PRI Team

For over 35 years, PRI has expanded into several markets, leading in each industry PRI has ventured. This leadership is the result of a quality staff working together from the beginning of a project through the start-up and commissioning phases. In order to achieve this harmony, PRI has built a solid foundation of quality engineers. PRI employs over 16 degreed engineers on staff, including both Electrical and Mechanical Engineers.

Our engineering department is housed in the same facility as manufacturing to permit the team to monitor the progress of a project and if questions arise from the shop floor, the in-house engineering team can respond to them immediately. CAD/CAM systems are in place to expedite production of components and all design is done on the latest releases of 3-D Autocad.

Having a complete team on staff is not only important for PRI, but also our clients. PRI's clients depend on PRI to support the A/E as well as their own staff from the early design stage through operation of the system.

The interface between shop manufacturing, in-house engineering and field start up teams continues to provide lessons learned and best practices for every project. This assures the team and client engineering is based on the most current discussion, situation or performance enchantments. The payoff is knowing that the client is receiving the highest quality system, and the most advanced engineered system available.

Progressive Recovery, Inc.

Sherwin-Williams

Solvent Recovery: Key Project

LSR Distillation - Processing 800 Gallons/Hour

Sherwin-Williams Automotive Paint Facility, supplying products to the auto refinishing and collision markets, had used thin film evaporators (TFE) to recycle their clean up solvent. The TFE had the capability to handle as much as 500 gallons per hour; however, variables in the dirty solvent stream made the process so labor intensive that an operator was needed continuously to control the unit as the various combinations of solvents and paints were processed.

Because the units at this facility had been in service a number of years and needed continual maintenance, the plant's maintenance department logged many hours of overtime, including working weekends to keep the TFE operable during the week.

Compounding the problem, Sherwin-Williams was expecting growth in their product line which would increase their waste solvent volume to 800 gallons per hour. An additional TFE was considered, but high initial capital cost and the plant's experience with their TFE caused them to seek another solution.

In evaluating alternative solutions, Sherwin-Williams looked for a technology that would be versatile enough to handle the wide range of resins and variable solvent blend used at the facility. In addition, they wanted the unit to run virtually by itself to free up personnel for other duties. To bolster their confidence level, they were also looking for a vendor with demonstrable experience of a system with this capability and volume capacity. The answer to the problem was found in a solvent recovery system engineered and built by Progressive Recovery, Inc. (PRI).

The Sherwin-Williams Richmond Plant now has a recovery system that has the capability of processing 800 + gallons of dirty solvent each hour and was done at an installed cost of roughly one-half of the cost of replacement TFE's. Because of the fully automated features of the system, operator and maintenance costs have been practically eliminated. Reliability and recovery rates are so high that the volume of waste sent off-site has been greatly reduced and clean-up solvent purchases have also declined.

Recycling solvent on site is the most economical, environmentally correct, and responsible choice that a firm can make. The larger the volume to be recycled, the shorter the pay back. Economic pay back under one year is not uncommon, with most units falling in the one to two year range when all installation costs are included.

Progressive Recovery, Inc.

Avery Dennison

Solvent Wash System: Key Project

Solvent Wash Design Allows Quick, Easy Install

When the Avery Dennison, Clinton, South Carolina facility needed to replace the aging and undersized top loading wash system, their corporate engineers turned to PRI for answers to their equipment needs.

After initial discussions with PRI field sales staff, it was determined there were two important decision criteria:

- Install the new system within a very narrow time window, with minimal disruption of plant operations
- Keep the installed cost within a very tight budget

To meet the time and budgetary constraints of placing the equipment and getting it operational over the July 4th shut-down, PRI's engineers developed a SWS-300NP Wash System that did not require a pit in the plant's floor. Eliminating this step saved the time and cost of cutting, forming and pouring a pit. The plant was not disrupted by concrete dust in the air or possible remediation due to unforeseen environmental complications from contaminated dirt underneath the plant floor.

The SWS 300 NP (NP for no pit) Wash System is designed to be installed directly on the floor. This allows the unit to be installed on any floor of a multistory building. The wash chamber is elevated approximately 18" off the floor. The parts cart rides on a transporter which rolls to the washer, docking with it and allowing the parts cart to be easily rolled into the wash chamber.

Avery elected to use PRI's exclusive, safe, non-flammable cleaning agent, HCS. HCS eliminates the health concerns and risks of fire and explosion that come from using flammable solvents to clean press parts. By utilizing solvent recovery, the cleaning agent is distilled and processed back into the closed loop washing process. Solvent emissions into the atmosphere are greatly reduced as a result of the use of HCS and the enclosed washer design.

The end result is a very satisfied client. All of the Clinton plant's needs and expectations were met and surpassed. Avery-Dennison management at both plant and corporate level report they are extremely happy with the overall installation and equipment's performance.

Progressive Recovery, Inc.

Phototype Engraving

Solvent Recovery: Key Project

PRI PlateVac® Maximizes Operator Interface

When Phototype Engraving decided to expand their business and build a new plate processing room, they evaluated the options and decided to use DuPont Cyrel® material and DuPont's plate processing equipment. There was also no doubt in Bill Hounshell's mind that he wanted to use a PLATE-VAC unit, manufactured by PRI, to recycle the dirty washout solvent that the process generated.

Bill had previous experience with PLATE-VAC units at another facility and chose the PLATE-VAC 100 for the application. Even though the PLATE-VAC requires very little operator interface, Bill wanted to further minimize the time involved. He wanted a method to connect a 55 gallon drum of SSR to the machine, providing multiple cycles of SSR injection for the PLATE-VAC cookdown.

Working with the PRI Engineering Department, they determined that a drum feed system could be attached to the PLATE-VAC. The drum of SSR was set in a separate storage room next to the PLATE-VAC with a "stinger" and low level sensor installed in the drum. If the level of SSR drops too low in the drum, the PLATE-VAC will shut off and indicate there is a problem. During start-up and commissioning, the PRI Field Service Technician made the modifications to the PLATE-VAC to accommodate the change.

Customizing equipment and processes to fit the customer's needs is just one of the many ways that PRI tries to be more than just a vendor to our customer. By solving the customer's unique problems and filling their specific needs

Progressive Recovery, Inc.

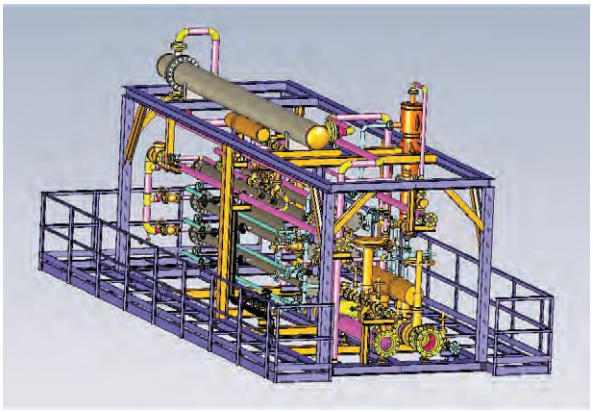
Mechanical Engineering

The PRI Team

The Mechanical Engineering department has more than 124 years combined experience in detailed mechanical design and pressure calculations for pressure equipment.

Software Used:

- AutoCAD
- CADWorx
- Navisworks
- DesignCalcs
- ESPIRIT

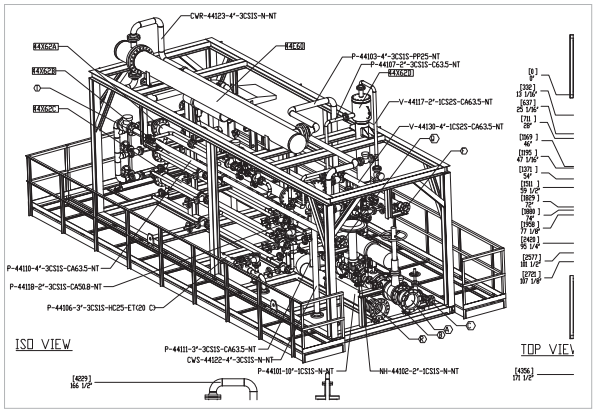


Experience Includes:

- 3D Modeling
- Pressure Vessel Calculations
- Piping Isometrics
- Fabrication Detail Drawings
- P&ID Design
- Welding Details
- CNC Programming

Experience & Factory Training Includes:

- 30 year's experience in application engineering for process equipment
- Heat transfer fluids
- Solids Handling
- Lift Stations
- Valves & Instrumentation
- Pumps & Heat Exchangers
- Machining



Progressive Recovery, Inc.

Electrical Engineering

The PRI Team

The Electrical Engineering department, also established in 1983, has over 75 years combined experience in electrical design for industrial applications including three-phase power distribution, control circuits, PLC controls, Operator Interface Screens, controls, instrumentation and commissioning.

Electrical Engineering Concept/Design:

- Work closely with the customer, PRI sales, and mechanical engineering staff to provide a system that meets or exceeds all specifications.
- Assist in the selection of instrumentation, components and hardware necessary to complete the system design, including control/power components, wiring, conduit, and enclosures.
- Hands-on site for Factory Acceptance Tests, On-site Commissioning, Site Acceptance Tests, Operator/Maintenance Training, and Building Control System Interface

Design complete electrical control systems:

- PLC/HMI Programming and Control Circuit/Wiring Detail. Electrical Engineering drawings are included in Operator/Maintenance Manuals.
- Installation/Customer Interface Details:
- Show all necessary wiring and hardware required for installation and customer interface points.
- Wiring Details include panel layout, control wiring, power wiring, PLC I/O layout, and instrumentation details.
- Structure all programs to easily accommodate field modifications and future process requirements.
- Programs designed to be fail-safe – any broken wire or invalid sensor input will result in a system shutdown.
- Thoroughly test all program functions and system alarms before shipping.

Software Used:

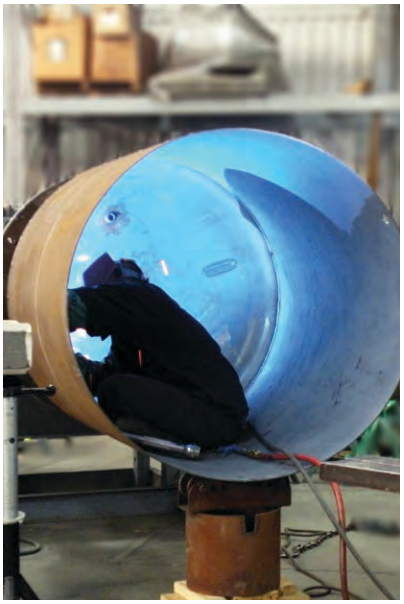
- Rockwell - RSLogic
- Siemens - TIA Portal
- AutoCAD

Progressive Recovery, Inc.

Skilled In-Shop Crafts

The PRI Team

Our shop team members are highly skilled and take pride in their work. Our welding team has been extensively trained, and our machine operators have years of experience. The shop team includes the following areas of expertise:



Welders qualified per ASME Section VIII and AWS, with capabilities as qualified:

- Pipe Fitter, Welders
- Structural Fitter, Welders

Millwrights

Electricians

Quality Control Inspectors

Machinists

Painter/Sandblaster

Plate-Forming Department

- Press Brake Operators
- Plate Roller Operators
- Plate Shear Operators
- Computerized Plasma/Oxyfuel Shape Cutter Operators

Inventory Control Specialists

Progressive Recovery, Inc.

In-House Fabrication Equipment

Cranes

4 P&H Overhead Cranes:

- 5 tons capacity each
- 10 tons lifting capacity per bay
- 20 ft. under hook

1 Yale Overhead X Crane 5 tons capacity

10 Abell-Howe Jib Cranes

- 1 ton capacity each
- 14 ft. long crane rail
- 14 ft. under hook

1 P&H Overhead Crane

- 30 tons capacity
- 30 ft. under hook

2 P & H Overhead Cranes

- 30 tons capacity each
- 60 tons lifting capacity per bay
- 35 ft. under hook with auxiliary 5 ton hook

Lifts

1 Genie GS-1930 Platform Lift

1 Z-30 Boom Lift

4 Komatsu Triple Stage Forklifts w/Propane Engines
(4,000 lbs & 5,000 lbs capacity)

1 Kalmar 6,000 lbs capacity forklift

Progressive Recovery, Inc.

Shears & Rollers

In-House Fabrication Equipment

4 Weldwire tank turning rolls

- (2) 44,000 lb. capacity
- (2) 22,000 lb. capacity

1 Peck 36 inch x 20 gauge Sheet Metal Shear

1 Peck 36 inch x 20 gauge Sheet Metal Roll

1 Wysong Plate Shear

- 12 ft. capacity
- Computerized gauging system
- 3/8 inch capacity CS - ¼ inch SS

1 Aronson Tank Turning Rolls

- 10,000 lb. capacity

1 Sesco Plate Roller

- 6 ft. wide x 5/16 inch thick to 18 inch ID

1 Webb Plate Roller

- 12 ft. wide x 5/16 inch thick to 18 inch ID

1 Scotchman Iron Worker - 65 tons

- 1 inch hole in ¾ inch plate max.

Progressive Recovery, Inc.

Brakes & CNC

In-House Fabrication Equipment

1 Chicago 8 ft. x 20 gauge Sheet Metal Brake

1 L-Tec CNC Shape Cutter (Plasma/Gas)

- 12 inch CS cutting capacity
- 1 inch SS cutting capacity
- 10 ft. x 20 ft. water table

1 Niagara Mechanical Press Brake

- 10 ft. bed
- 90 tons

1 Cincinnati Hydraulic Press Brake

- 14 ft. bed
- 230 tons
- 3/8 inch C/S - 90 @ 8 ft.

1 Cincinnati Hydraulic Press Brake

- 10 ft. bed
- 135 tons
- ¼ inch C/S - 90 @ 5 ft.

700 Industrial Drive, Dupo IL 62239, (618) 286-5000, www.prisystems.com

Progressive Recovery, Inc.

Welding

In-House Fabrication Equipment

1 ESAB 1000 amp Submerged Arc Welder

- 14 ft. diameter capacity

6 Miller Syncrowave 350LX TIG Welders

- Water cooled
- 350 amp

1 AMI Model 79 Orbital Tube and Pipe Welder

- Pipe Sizes 1 inch to 6 inch (3/4 inch wall max.)
- Carbon Steel, Stainless Steel & Other Alloys

1 L-Tec Digi Pulse 450 Welder

- MIG/stick/TIG
- Semi-auto
- 400 amp max.

1 Pandjiris Welding Positioner

- 48 inch turntable
- 3,000 lb. capacity

2 Aronson Welding Positioner

- 48 inch turntable - 4,500 lb. capacity
- 36 inch turntable - 2,500 lb. capacity

2 MBC Welding Positioners

- 12 inch turntable
- 200 lb. capacity

1 L-Tec Heliarc TIG Welder

- AC/DC
- 300 amp max.
- 300 amp max

1 Thermal Arc Plasma Torch

- Hand held cutting torch
- 1/4 inch S/S max.

5 Miller Dimension 452 MIG Welders

- 450 amps
- Dual feed

7 L-Tec V1-450 MIG Welders

- Semi-auto
- Dual wire feeders
- 400 amp max.

Progressive Recovery, Inc.

Milling

In-House Fabrication Equipment

1 Hypertherm Plasma Pipe Cutter

- 24 inch capacity

1 Trumph Plate Beveller

- 1 inch plate capacity

1 Giddings & Lewis Vertical Boring Mill

- 98 inch swing capacity

1 Giddings & Lewis CNC Horizontal Boring Bar

- 5 inch x 36 inch bar
- 72 inch x 108 inch travels

1 Carlton Radial Arm Drill

- 48 inch arm
- 11 inch column

2 Bridgeport Milling Machine

- (1) numerical read out

1 Cincinnati #5 Mill - 60 inch x 16 inch table

1 Cincinnati Super Service Drill

- 19 inch column x 72 inch arm

1 Six Station Delta Gang Drill

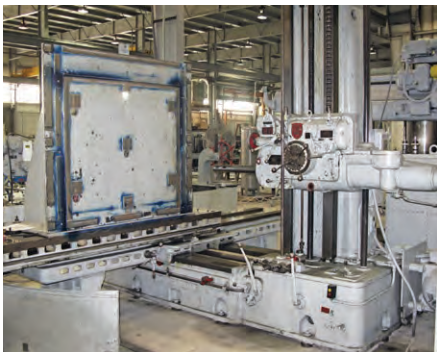
- 1/2 inch chuck capacity

1 Gap Bed Engine Lathe

- 21 inch swing, 60 inch bed

1 Gap Bed Engine Lathe

- 12 inch swing, 36 inch bed

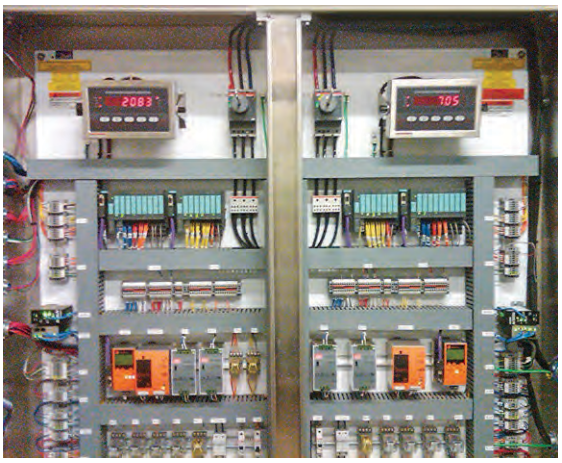


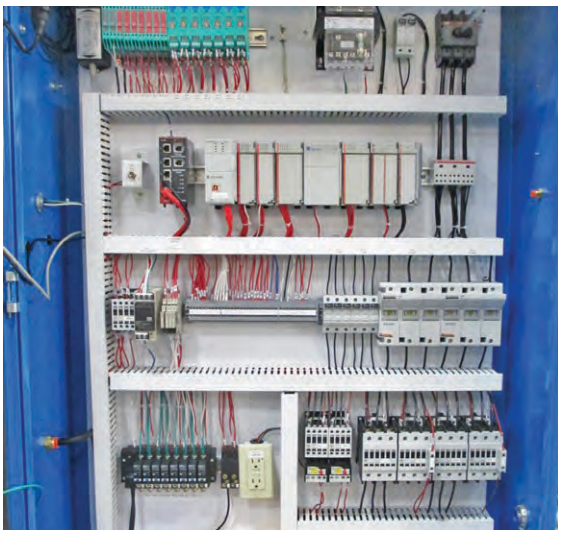
Progressive Recovery, Inc.

Panel Shop

In-House Fabrication Equipment

Our panel-building experience ranges over more than 30 years, with at least 3,000 panels built in our dedicated facility. Because of the nature of our equipment, our panel shop has vast experience with various environments, from general to hazardous locations, both indoor and outdoor, and are able to meet requirements of many countries around the globe.





Panels are designed per the following certifications, where applicable:

- NEC/IEC standards
- ATEX/CE certified
- UL/CSA certified

Panel Experience Includes:

- Explosion Proof
- Purged
- Intrinsically Safe
- General Classification

Control Platforms Supported:

- Allen-Bradley
- SIEMENS
- MODICON
- Omron
- GE
- Mitsubishi

700 Industrial Drive, Dupo IL 62239, (618) 286-5000, www.prisystems.com

Progressive Recovery, Inc.

Other Miscellaneous

In-House Fabrication Equipment

1 Binks Spray Booth

- 10 ft. wide x 10 ft. high door
- 26 ft. working depth (expandable)

1 Delta 20 inch Radial Arm Saw

1 Kaltenbach Cold Saw

- Miter table
- Length gauge
- 4 inch dia. Rounds

1 manual Series 8 Band Saw 20 inch capacity

1 Do-All Band Saw

- 10 inch x 12 inch capacity

1 Ultra-Matic Vibratory Finisher

- 36 inch dia. bowl capacity

1 Cemco Sand Blaster - 400# capacity

1 Gardner 50 HP Rotary Screw Compressor w/Refrigerated Air Dryer

1 Gardner 30 HP Rotary Screw Compressor w/Refrigerated Air Dryer

1 Hotsy Fuel Fired 3,000 psi Hot Water Pressure Washer

1 Hydraulic Press - 20 ton capacity

2 30 ton spreader bars

Progressive Recovery, Inc.

ISO 9001
Certification

Certificate of Registration

nqa global assurance

This is to certify that the Quality Management System of:

Progressive Recovery, Inc.
700 Industrial Dr.
Dupo IL 62239
United States of America

applicable to:

Design, manufacture of liquid and gas specialty systems

has been assessed and approved by
National Quality Assurance, U.S.A., against the provisions of:

ISO 9001:2015

Certificate Number: 15458
EAC Code: 18, 17
Certified Since: August 4, 2014
Valid Until: August 2, 2026
Reissued: August 3, 2023
Cycle Issued: August 3, 2023

For and on behalf of NQA, USA

ANAB ACCREDITED ISO/IEC 17021 MANAGEMENT SYSTEMS CERTIFICATION BODY

Page 1 of 1

This approval is subject to the company maintaining its system to the required standard, which will be monitored by NQA, USA, 289 Great Road, Suite 105, Acton, MA 01720, an accredited organization under the ANSI National Accreditation Board.

The American Society of Mechanical Engineers

CERTIFICATE OF AUTHORIZATION

The named company is authorized by The American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the ASME Single Certification Mark and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with the ASME Single Certification Mark shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:

Progressive Recovery, Inc.
700 Industrial Dr
Dupo, Illinois 62239
United States

SCOPE:

Manufacture of pressure vessels at the above location and field sites controlled by the above location (This authorization does not cover impregnated graphite)

AUTHORIZED: **July 05, 2024**

EXPIRES: **July 05, 2027**

CERTIFICATE NUMBER: **23521**

Gary L. Scribner
Board Chair,
Conformity Assessment

Matthew Vazquez
Senior Director,
Engineering Operations

Progressive Recovery, Inc.

National Board of Pressure Vessel Inspectors

Certification

THE NATIONAL BOARD
OF
BOILER & PRESSURE VESSEL INSPECTORS

Certificate of Authorization to Register

This is to certify that

Progressive Recovery, Inc.
700 Industrial Dr.
Dupo, IL 62239

is authorized to apply the "NB" mark and register boilers, pressure vessels or other pressure retaining items with the National Board.

The scope of Authorization is limited to items manufactured in accordance with:

ASME Designator(s): *U*

ISSUE DATE: **June 25, 2015**

This Certificate of Authorization to Register will remain in effect as long as the manufacturing organization holds a valid Certificate of Authorization issued by the American Society of Mechanical Engineers.

Executive Director

NB 137 Rev. 9

Progressive Recovery, Inc.

PED/CE
Certification

Progressive Recovery, Inc. has procedures in place to manufacture equipment in accordance with the PED/CE directives and equipment provided will be PED labeled (Pressure Vessel Certification) and CE certified (Electrical and Other Safety). Upon starting the project, PRI will file an application for CE/PED on the system with:

Bureau Veritas Limited
"Parklands"
Winslow Road
Didsbury, Manchester M20 2RE

Bureau Veritas UK Limited — Notified Body 0041

BUREAU VERITAS

CERTIFICATE OF CONFORMITY
Module G - Pressure Equipment Directive 97/23/EC
N° CE-0041-PED-G-PRI-002-09-USA

We hereby certify that the design, manufacture and testing of the below pressure equipment complies with the applicable Essential Safety Requirements of the Pressure Equipment Regulations 1999 (EC pressure Equipment Directive 97/23/EC).

Manufacturer (name):	Progressive Recovery, Inc.
Address:	700 Industrial Drive Dupo, Illinois 62239 UNITED STATES OF AMERICA

EQUIPMENT

Item :	2816
Description :	Caustic Digester

TESTS CARRIED OUT

Final tests:	Reviewed Drawings, Calculations, PMA's, Stress Comparison per Appendix 1 para 7.1.2, Material Certificates, Witnessed Vessel Hydrostatic Pressure Test, Witnessed Piping Hydrostatic Pressure Test, Visual Examination, Final internal and external examination, Dimension Control, Mameplate and Attachment, WPS, PQR, WPQ's.
Remarks -List of enclosures:	

INFORMATION

Trading name of the manufacturer:	Same as the Name of Manufacturer
Trading name of the authorized representative:	N/A
Marking :	CE 0041 (BVIL notified body number)
Nature and location of the affixing of the marking of the equipment:	CE Marking applied to stainless steel data plate welded to standoff welded to sidewall of vessel
Year of manufacture :	2009
Serial number :	2816
Essential maximum/minimum allowable limits :	
- Maximum allowable pressure:	6.90 / -1.03 bar
- Minimum/maximum allowable temperature:	Min -29 Max 171 degrees C

Bureau Veritas UK Limited — Notified Body 0041

BUREAU VERITAS

N° CE-0041-PED-G-PRI-002-09-USA

FURTHER INFORMATION (where applicable)

- Volume V of the pressure equipment (l):	1090 Liters
- Nominal size for piping DN:	1.5", 2.0", 3.0"
- Test pressure PT applied (bar) and date:	12.41 bar 20 Nov 09
- Safety device set pressure (bar):	6.90 bar
- Output of the pressure equipment (kW):	N/A
- Supply voltage (volts):	380 V
- Intended use:	Effluent Decontamination System
- Filling ratio (kg/l):	N/A
- Maximum filling mass (kg):	1088 kg
- Tare mass (kg):	1093 kg
- Product group:	Group 2
- Other information:	Drawing # 0003226 Rev 5

Made at	On (MM/DD/YYYY)	Approved and Recorded in	Signed by	Signature Authorized by Notified Body no 0041
Manchester, UK	12/29/2009	UK	Patrick Hennessey	

Code d'enregistrement / Registration code: 2010/38.17.2062/PUK

This certificate is subject to the terms of Bureau Veritas General Conditions of Service attached to the agreement signed by the customer.

Progressive Recovery, Inc.

SELO
Certification

中华人民共和国
特种设备制造许可证
Manufacture License of Special Equipment
People's Republic of China

（压力容器）(Pressure Vessel)

No.: TS2200A64-2016

公司/ Company: Progressive Recovery,Inc.

地址/ Address: 700 Industrial Drive,Dupo,IL 62239,U.S.A.

经审查，获准从事下列压力容器的制造：
Has been audited and approved to manufacture the Pressure Vessels within the scope as:

压力容器 D1 /Pressure Vessels D1

审批机关：
Approval/Issue Organ:
General Administration of Quality Supervision, Inspection and Quarantine of the People's Republic of China

发证机关：
Issue Organ:

有效期至：2016 年 12 月 04 日
Date of Expiration: Dec.4, 2016

发证日期：2013 年 04 月 26 日
Date of Issue: Apr.26, 2013

国家质量监督检验检疫总局制

Progressive Recovery, Inc.

UL Controls & UL-142

Certification

Progressive Recovery, Inc.

Is a Qualified Manufacture of

Underwriters Laboratories

Listed Control Panels

For the following UL file numbers

Control Panels and Assemblies for Use in Hazardous Locations	*NNNY.E180510*
Control Panels and Assemblies for Use in Hazardous Locations Certified for Canada	*NNNY7.E180510*
Industrial Control Panels	*NITW.E113665*
Industrial Control Panels Certified for Canada	*NITW7.E113665*
Industrial Control Panels Relating to Hazardous Locations	*NRBX.E199174*
Industrial Control Panels Relating to Hazardous Locations Certified for Canada	*NRBX7.E199174*

CERTIFICATE OF COMPLIANCE

Certificate Number 20130712-MH49729
Report Reference MH49729-20130712
Issue Date 2013-JULY-12

Issued to: PROGRESSIVE RECOVERY INC
700 INDUSTRIAL PARK
DUPO IL 62239

This is to certify that representative samples of ABOVEGROUND FLAMMABLE-LIQUID TANKS
Aboveground tanks for flammable and combustible liquids and secondary containment aboveground tanks for flammable and combustible liquids.

Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL142, Standard for Steel Aboveground Tanks for Flammable and Combustible Liquids

Additional Information: See the UL Online Certifications Directory at www.ul.com/database for additional information

Only those products bearing the UL Listing Mark should be considered as being covered by UL's Listing and Follow-Up Service.

The UL Listing Mark generally includes the following elements: the symbol UL in a circle: ⓊⓁ with the word "LISTED"; a control number (may be alphanumeric) assigned by UL; and the product category name (product identifier) as indicated in the appropriate UL Directory.

Look for the UL Listing Mark on the product.

William R. Carney, Director, North American Certification Programs
UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at www.ul.com/contact

Page 1 of 1

PRI

Progressive Recovery, Inc.

Solvent Recovery & Solvent Wash Systems

Solvent Recovery & Wash | Biowaste Sterilization | Custom Process Skids | Service

700 Industrial Drive, Dupo IL 62239, (618) 286-5000, www.prisystems.com