

INDUSTRIAL SKILLED TRADES SERVICES

Optimization provides skilled trades services for clients in various industries, including:

- Automotive / Aerospace
- Chemical
- Consumer Products / Manufacturing
- Film and Plastics
- Food and Beverage
- Glass and Ceramics
- Life Sciences/ Pharmaceutical
- Medical Devices
- Oil and Gas
- Power / Energy Utilities
- Renewable Energy
- Water and Waste Water

Installation and Commissioning, Maintenance and Support Services

Optimization can also provide installation of industrial processes and start up of equipment at the client site and, if required, on-going maintenance and support of the equipment for the long term. Optimization is versed in the performance of all aspects of specialty work, pre-startup reviews, mechanical integrity and management of change as it applies to processes that are covered under Process Safety Management of Highly Hazardous Chemicals (29 CFR OSHA 1910.119).

Fabrication and Assembly Shops

Optimization carries out fabrication at its industrial shops on Lexington Ave. in Rochester, NY. These shops house facilities for metal and sheet metal forming and fabrication as well as a UL-listed electrical fabrication and panel shop. Certifications are held to weld nearly every exotic alloy used for industrial processes.



Equipment and Control Panel Installation



Platform Fabrication and Installation

HIGHLY SKILLED JOURNEYMEN

Construction Managers
 Controls Electricians
 Electricians
 Field Machinists
 Instrumentation Mechanics
 Millwrights
 Optical Alignment Specialists
 Pipe Fitters
 Riggers
 Sheet Metal Workers
 Standards / Code Experts
 Welders

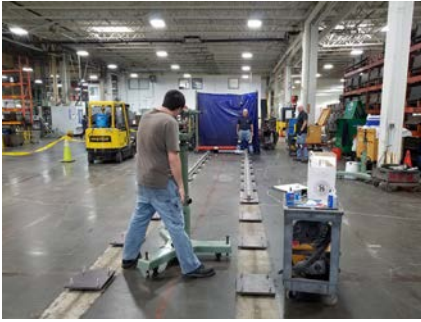
Capability Summary

Construction Management
 Electrical
 Equipment
 Fabrication Expertise
 Industrial Expertise
 Installation and Dismantlement
 Installation Support Teams
 Instrumentation
 Maintenance Support Teams
 NFPA 70E Trained Electricians
 Piping
 Preventative Maintenance
 Project Coordination
 Repairs
 Routine Services

- Piping
- Electrical
- Equipment
- Instrumentation

 Small Jobs
 State-of-the-Art Shops
 Supports
 UL and CSA Listed Control Panel Shop

EXPERTISE EXAMPLES



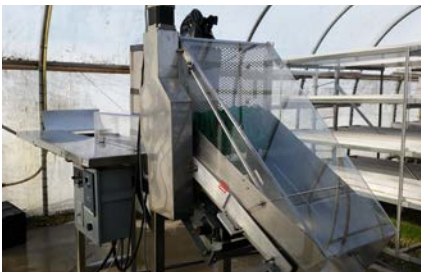
Precision Alignment/Machine Installation



Fabrication and Assembly - Test Stands



Award-Winning Apprenticeship Program



Machine Guarding

Electrical

- Arc Flash
- Control Panels
- Drives
- Facilities - Control iring
- Floor Scanning
- Incoming Service
- Primary (480V) Service
- Process Equipment
- Secondary (6V to 480V) Service
- Switch Room/MCC
- Thermographic Infrared Testing
- Underground Distribution

Millwright

- Fabrication and Structural Welding
- Installations, Modifications, Relocations
- Leveling and Assembly
- Maintenance and Repair
- Precision Alignment
- Reliability Testing

Welding

- Chutes and Hoods
- Machine Systems
- Orbital Welding
- Piping
- Pressure Vessel Fabrication (U Stamp)
- Pressure Vessel Repair (R Stamp)
- Structural Steel Infrastructure
- Turbines and Tanks

Sheet Metal

- Chutes and Hoods
- Machine Guarding
- Machine Systems
- Platforms and Catwalks
- Polishing or Brush Finishes
- Stainless and Sanitary
- Structural Steel Infrastructure

Pipefitting

- Certified Gas Tight
- Contamination Remediation
- General Maintenance
- Mechanical Press Fit
- Phosoned
- Pipe Insulation
- Threaded
- Victaulic
- Welded and Solder

Rigging

- Air Ride Trucks
- Equipment Moves
- Equipment Setting/Leveling
- Tractor/Trailer

CONSTRUCTION

- Construction Management
- Machine Dismantlement
- Machine Relocations
- Start-Up Crews

MAINTENANCE

- 7 by 24 Support
- Electrical Maintenance
- Plant Maintenance
- Plant Operation
- Steam and Air Trap Maintenance

FABRICATION

- Acceptance Testing (FAT)
- Cart Fabrication
- Control Panel Fabrication
- Custom Fabricating & Assembly
- Lifting Devices
- Material Handling
- Mechanical Subsystems
- Motor & Pump Alignments
- Optical Alignments
- Part Fabrication
- Platform Fabrication
- Power and Drive Panel Fabrication
- Process Subsystems
- Roll / Web Conveyance Systems Product
- Conveyance Systems
- Sanitary Piping Systems
- Skid Fabrication
- Test Stand Fabrication
- UL Listed Systems