



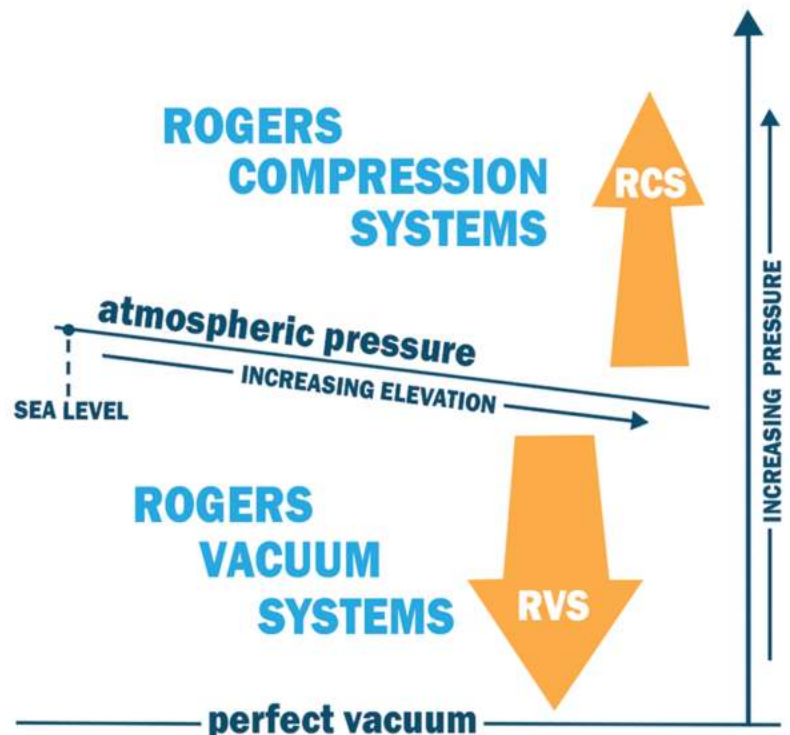
ENGINEERED VACUUM, COMPRESSION & PUMP SYSTEMS

Engineered Air System Solutions Built To Your Specifications

Rogers Machinery Company specializes in designing custom vacuum, compression and pump system solutions for a range of industries, process applications, and specific plan requirements.

Each system is built to order, addressing unique and specific application needs, while offering a high level of customization to maximize efficiency, reliability, and application efficacy.

Our Engineered Solutions team has over 2,500 completed projects providing state-of-the-art equipment to customers around the world.



Built to exact requirements to meet specific plant & performance needs.

Key Benefits of Engineered System Solutions

Reliability

Rogers engineered vacuum, compression and pump system solutions are built under exceptional quality guidelines and meet major specification standards as required.



Made to Handle Hostile Environments

Rogers engineered vacuum, compression and pump system solutions are developed under strict performance guidelines to meet your application needs. They are built to account for aggressive processes considering such variables as temperature, pressure, elevation and classified environments as needed.

Dedicated Engineered System Solutions Team

Our engineered solutions team has over 60 combined years of experience developing these systems. Our project management services include establishing scope and timeline, facilitating the submittal and review process, job scheduling, witness testing, site visits, and more.



Expertise

- Over 450 engineered vacuum system solutions installed
- Over 600 engineered compression system solutions installed
- Over 1,500 engineered pump system solutions

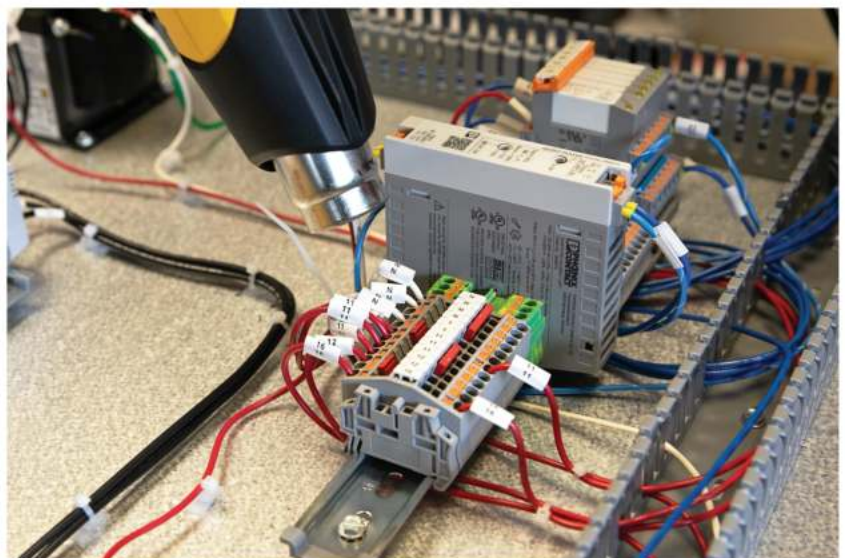


Our Approach

Our entire process is centered on customer satisfaction which is why each engineered system is assigned to a Rogers Project Manager who works with you from concept through to completion.

Our project, engineering, and automation teams work with you through every stage of the project from design through to commissioning, ensuring performance and specific site requirements are met. Our application support engineers have the technical expertise and product knowledge to deliver superior systems and unmatched support. Our process includes:

- Project Management services from scoping phase to commissioning
- Solutions built to fit specific process and installation
- Custom designed and fabricated assemblies
- Full submittal documentation provided by in-house
- Fully integrated custom controls systems built, wired, and programmed in-house
- Education and training
- Unequaled service and support
- Site integration
- Start up & Training



Rogers Vacuum Systems (RVS)

Rogers Machinery specializes in a wide range of vacuum industry applications. Examples include light vacuum - high flow rate systems tailored to applications such as pneumatic conveying of material or bulk gas conveyance; medium or "roughing" vacuum for general utility such as hold-down, chucking, bagging or packaging; and deep vacuum applications such as process reaction, solvent recovery, freeze drying and more.

Engineered Vacuum Systems

Our Vacuum Systems allow for complete customization in the following technologies:

Light Vacuum

- Housekeeping applications to 12 "HgV
- Multistage Turbine
- Rotary Lobe
- Regenerative Exhauster



Rough Vacuum

- Utility applications to 29.9 "HgV
- Dry Claw
- Liquid Ring
- Rotary Vane
- Lubricated Screw

Deep Vacuum

- Process applications to 1×10^{-4} Torr
- Dry Screw
- Hybrid Boosted Vacuum System
- Rotary Piston



Rogers Compression Systems (RCS)

Rogers Machinery specializes in the design and manufacture of engineered system solutions in a wide range of positive pressure applications. Examples include low pressure - high flow rate systems tailored to applications such as material collection, bulk gas conveyance applications such as industrial aeration or inert gas recover; or high pressure applications such as power generation, PET bottle blowing, bulk air or gas energy storage or more.

Engineered Compression Systems

Our Compression Systems allow for complete customization in the following technologies:

Low Pressure Applications to 30 psig

- Multistage Turbine
- Rotary Lobe
- Dry Claw



Line Pressure Applications to 200 psig

- Reciprocating Piston
- Lubricated Screw
- Dry Screw
- Liquid Ring



Process Gas Solutions

- Lubricant injected or oil-free
- Fixed or variable speed
- Air or water cooled
- 4-4000 PSIG

ROGERS® Engineered Pump Solutions

Rogers Pump Systems (RPS)

Rogers Machinery specializes in the design and manufacture of engineered system solutions in a wide range of pumping applications; particularly for viscous, particulate-entrained, or high temperature fluids in the food and beverage, industrial, chemical and pharmaceutical industries.

Engineered Pump Systems

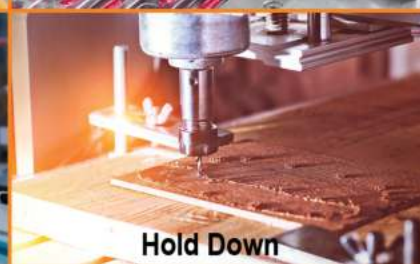
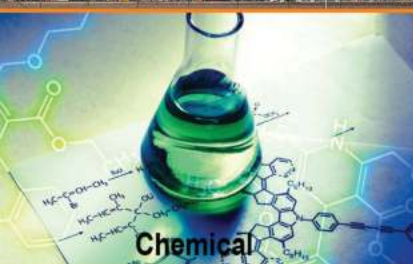
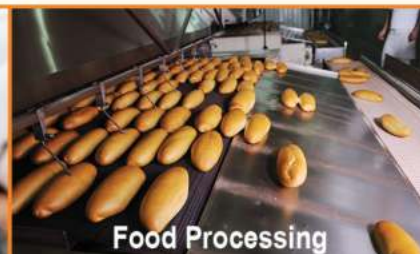
Our Pump Systems allow for complete customization in the following technologies:

Pumping Technologies

- Internal Gear
- Spur Gear
- Progressive Cavity
- Air-Operated Diaphragm
- Macerator Pumps



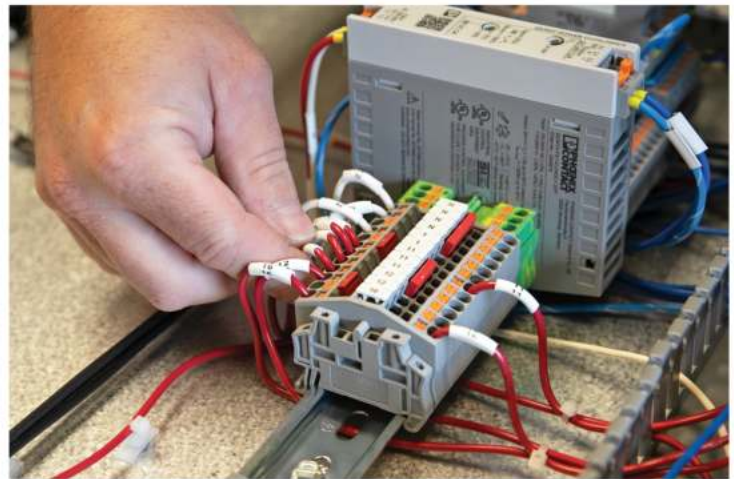
Industry Applications



Rogers Engineered System Controls

Custom Control Services

- VFD / Soft Start Integration
Variable process control for dynamic system demand
- Duty Sequencing
Complete system control and duty sequencing capable of controlling multiple technologies
- Custom Programming
We offer open-platform software for easy user interface
- Wire Labeling & Color Coding
We design the wiring and labeling layout to your specifications
- Ethernet / Modbus - SCADA Systems
- Large Color Touchscreen HMI
- On-Site Commissioning Services & Integrating Automation Controls





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