



**QUALITY
EFFICIENCY
SAFETY**



COMMERCIAL GAS CONTROL SYSTEM EXPERTS

IF YOUR BUSINESS INVOLVES THE USE OF GASES, CRYOGENIC LIQUIDS,
HIGH PRESSURE LIQUIDS OR SUPERCRITICAL FLUID - WE CAN AUTOMATE IT

SOME POPULAR APPLICATIONS WE
HAVE RECENTLY ENGINEERED FOR
INCLUDE:

OIL EXTRACTION

MACHINING OF COMPONENTS

AEROSPACE PRESSURE TESTING

HELIUM GAS PURIFICATION

SPACESHIP REFUELING SYSTEMS

SUPERCRITICAL CO2 SYSTEMS

SEMICONDUCTOR MANUFACTURING

HIGH INTEGRITY SPECIALTY GAS

CRYOGENIC LIQUID FILLING

WELDCOA

COMMERCIAL GAS CONTROL SYSTEMS

Weldcoa offers comprehensive automated systems for any company that uses gases in the production of their products. And we do this on a regular basis.

Many of our commercial gas control systems are available as independent plug and play solutions that can have you up and running quickly and enjoying all the benefits of automation. Our patented digital commercial solutions apply to many industries and have countless applications.

If Your Need Involves the Use of:

- Gases
- Cryogenic Liquids
- High Pressure Liquids
- Supercritical Fluid

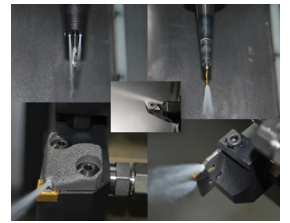
Weldcoa Can Automate It



OUR PATENTED SOLUTIONS APPLY TO MANY INDUSTRIES AND HAVE COUNTLESS APPLICATIONS

Oil Extraction

- Supercritical CO₂, Liquid CO₂ and/or Gas Phase CO₂ Supply Systems that feed the extractor equipment during processing biomass, such as hemp, cannabis, even nuts



Aerospace

- Machining of components for aerospace materials utilizing Supercritical CO₂
- Vessel pressure testing (utilizing Nitrogen typically)
- Gas purification systems for Helium
- Spaceship/rocket propellant refueling systems



Nuclear Research

- Utilizing Supercritical CO₂ technology for heat transfer among other uses

Semiconductor Manufacturing

- High integrity Specialty Gas filling equipment and analytical systems



Compressed Gas Cylinder Filling

- A wide array of filling equipment for Industrial gases such as Nitrogen, Argon and Carbon Dioxide as well as Medical gases such as Oxygen, Nitrous Oxide and Mixed Gases.
- Fill Systems are available for standard high pressure, disposable and medical D & E cylinders.
- Tube trailer and ground storage fill systems are also available.



Liquid Filling

- Cryogenic dewar/vessel filling typically utilizing Argon, Nitrogen, Oxygen
- Automated systems for racing grade nitrous oxide
- Automated systems for Carbon Dioxide cylinder or dewar filling

Specialty Gases

- A wide array of preparation, filling and analytical (pre-fill and post-fill) systems for high integrity specialty gas and hydrocarbon production

PUT OUR EXPERTISE TO WORK FOR YOU

Weldcoa is an innovative manufacturer, located in Aurora Illinois, who has been delivering proven solutions for over 50 years. We're trusted problem solvers with vast experience in the automation of processes that incorporate compressed gases. Our team takes the time to understand your application's environment and design a solution that meets, and often exceeds, the objectives. We truly enjoy investigating, learning, developing, testing and creating solutions for any application of gas. Our cross-disciplinary team of experts bring in-depth knowledge of gases to every project. You can count on their passion and commitment to make your project a success.

GET MORE WITH WELDCOA - CONTACT US TODAY TO GET STARTED.



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