WE KNOW HYDROGEN

Engineering, designing, and manufacturing **compression systems and auxiliaries** for the hydrogen market.

COBEY ENERGY

YOU CAN'T REPLACE EXPERIENCE.

While hydrogen is considered the next frontier for sustainable energy, Cobey has been providing safe hydrogen systems for over 30 years.

With our in-house engineering and extensive manufacturing capabilities, we can accommodate a wide range of flow and pressure requirements. We take the time to understand your needs and specifications thoroughly, then draw on our decades of experience to optimize your system's design to maximize efficiency, simplify maintenance, avoid environmental issues, and more.

A CULMINATION OF EXPERTISE

Since 1987, Cobey has been a trusted partner for customized compression and associated equipment, pressure vessels, and systems.

DECADES OF COMBINED HYDROGEN EXPERIENCE

Our team brings a long track record and valuable insights to every new project.

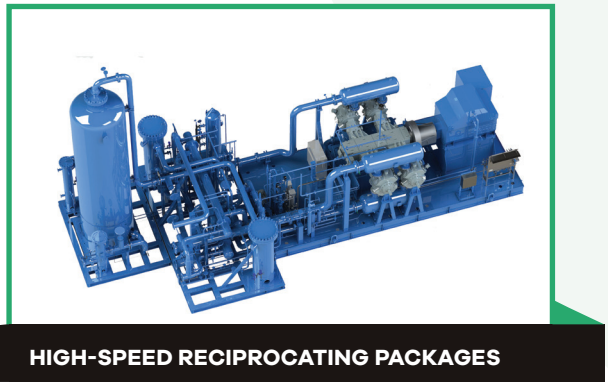
WORLD-CLASS REPUTATION

Cobey is proud to have installations on six continents and three oceans.

AT COBEY, OUR PHILOSOPHY IS SIMPLE – TELL US WHAT YOU'RE TRYING TO ACCOMPLISH, AND WE'LL MAKE IT HAPPEN.

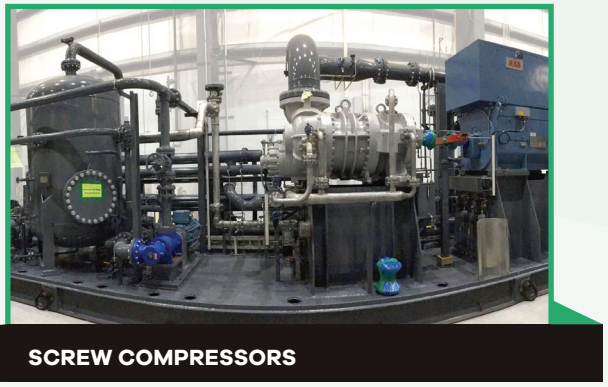
CUSTOM IS OUR STANDARD.

Cobey designs and manufactures customized, modular systems and equipment for various applications, including oil and gas, renewable energy, petrochemical, power generation, and industrial gases.



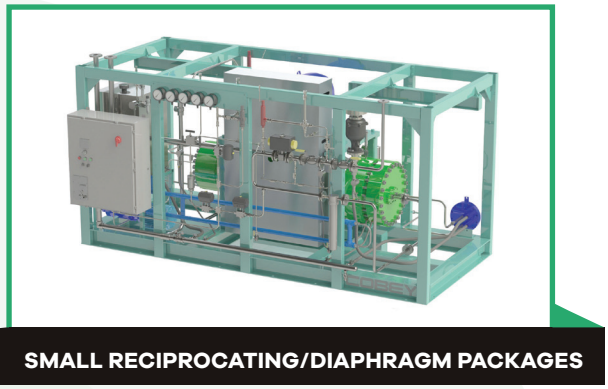
HIGH-SPEED RECIPROCATING PACKAGES

- Ideal for hydrogen and related-gas services
- Pressures up to 8,000 PSIG
- Compressors can be 2, 4, or 6 throw
- Up to 11,000 HP
- May include all auxiliary systems, controls, process piping and components, and oil removal systems



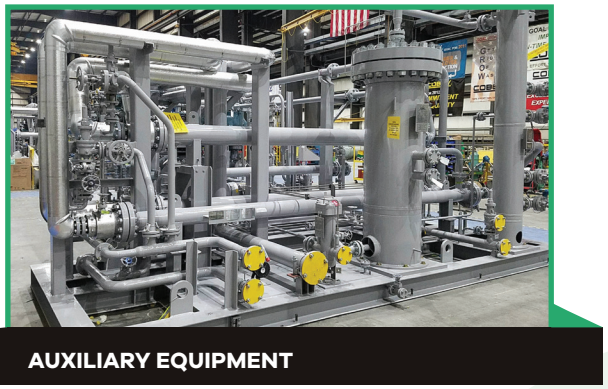
SCREW COMPRESSORS

- Custom oil-flooded solutions for hydrogen and related-gas services
- Pressures up to 750 PSIG
- 1- or 2-stage compressors
- Flows up to 9,000 CFM
- Up to 2,000 HP
- May include all auxiliary systems, controls, process piping and components, and oil removal systems



SMALL RECIPROCATING/DIAPHRAGM PACKAGES

- Oil-free compressors for high pressure applications
- Ideal for hydrogen mobility and storage applications
- May include all auxiliary systems, controls, process piping, and components



AUXILIARY EQUIPMENT

- Process piping modules, gas intercoolers and aftercoolers, gas-liquid separators, coalescing filters, carbon bed adsorbers, lube oil systems, cooling water systems, and electrolyzer water circulating systems

PROBLEM-SOLVING FOR REAL-WORLD APPLICATIONS.

ENGINEERING

Our engineering team – consisting of application engineers, project engineers, rotating equipment engineers, electrical engineers, project managers, FEA specialists, and more – collaborates with you to identify your needs and develop an effective, cost-efficient solution.

DESIGNING

Our skilled designers and drafters bring your specifications to life utilizing the latest solid modeling software, providing drawings and 3-D models for review.

MANUFACTURING

Our state-of-the-art facilities in Buffalo, New York, offer 102,000 sq. ft. of manufacturing space and 100 ton crane capacity with complete fabrication, assembly, and test capabilities. Cobey is qualified for codes and standards relevant to the hydrogen market, including ISO, API, ASME, and various electrical codes and standards.

PUT OUR EXPERIENCE TO WORK.

Schedule a discovery consultation to learn more about Cobey and to discuss your hydrogen system.

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