



**ARIEL CORPORATION**

World Standard Compressors



A large, blue industrial gas compressor is the central focus of the image. It has multiple cylindrical sections with various pipes, valves, and gauges. A woman with blonde hair, wearing a dark blue suit and a pearl necklace, stands in front of the compressor with her arms crossed. The background is a plain, light-colored surface.

“If it says Ariel on the side, we will do our best to ensure a lifetime of operational excellence.”

Ariel Corporation is a great example of an American success story. The first Ariel compressor was built in the late 1960s in the basement of my parents’ home. From those humble beginnings, we have become the world’s largest manufacturer of reciprocating gas compressors by adhering to our original core values: [Company Traditions](#), [Design Integrity](#), [Manufacturing Excellence](#), [Long-term Relationships](#), [Innovation](#), [Corporate Outreach](#), [Service & Support](#), and [Ariel People](#). We always do our best to ensure excellence in every aspect of our products and business.

I hope this glimpse into Ariel Corporation will help you understand what sets us apart from other manufacturers of reciprocating natural gas compressors. We have spent the last five decades proving our commitment to our customers by providing the best products and support in the industry. Contact us and we guarantee you’ll speak to someone who knows compression and understands your needs.

For more information, visit our website [www.arielcorp.com](http://www.arielcorp.com). Ariel Corporation operates 24/7 and we are always ready and willing to help - anytime, and anywhere, in the world.

Thank you for your interest in Ariel Corporation, the World Standard in Natural Gas Compression.

A handwritten signature in blue ink, reading "Karen", is positioned above the printed name and title.

Karen Buchwald Wright  
*Chairman, President, & CEO, Ariel Corporation*



Every compressor that leaves  
**Ariel** is a product of the  
guiding **core values**  
that have made Ariel  
**the World Standard**  
in compression.





# COMPANY TRADITION

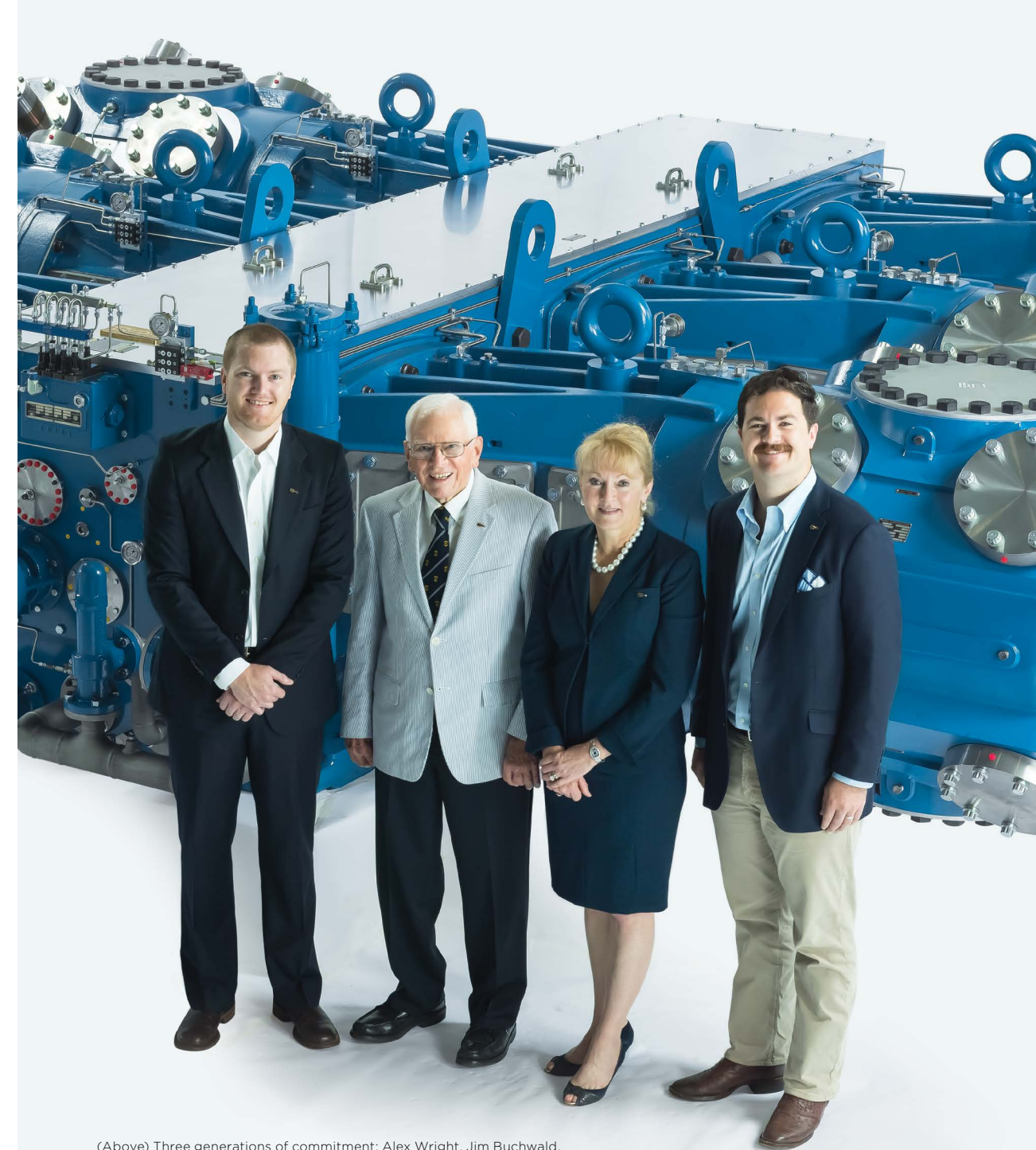
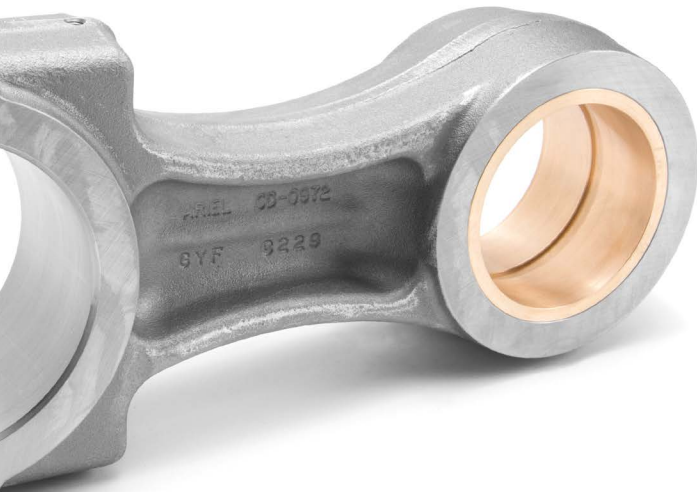
Past. Present. Future. Ariel Equals Quality.

Ariel Corporation was founded in 1966 to produce a separable, reciprocating gas compressor in the 100 to 200 horsepower range. Founder Jim Buchwald instilled the concept of quality of design and manufacturing into Ariel's corporate culture. These ideas are deeply embedded into every aspect of Ariel's operations.

As we continue to expand, the same drive for high standards and precision remain. Every Ariel team member's unique contributions are valued and respected. The legacy of uncompromisingly high standards guides us as we move forward and will ensure that we continue to produce the best compressors in the world.



For over 50 years, we have been committed to supporting our compressors in the field. Whether it is Serial No. 6 or Serial No. 60,000, we will be there to ensure your compressor continues to run strong.



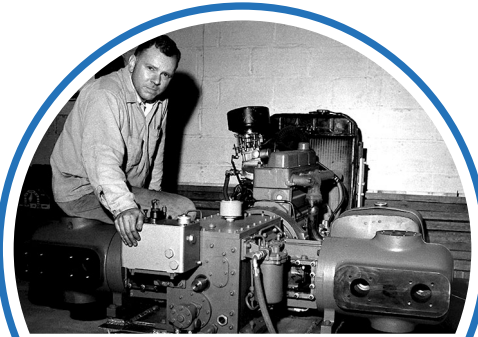
(Above) Three generations of commitment: Alex Wright, Jim Buchwald, Karen Buchwald Wright, and Hunter Wright.  
(Top right) Jim Buchwald 1980. (Bottom right) Karen, Maureen, & Jim Buchwald 1957.





# ARIEL CORPORATION:

FIVE DECADES OF WORLD STANDARD COMPRESSORS



**1968** Jim Buchwald with the first Ariel Compressor.

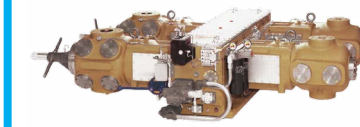


**1975**

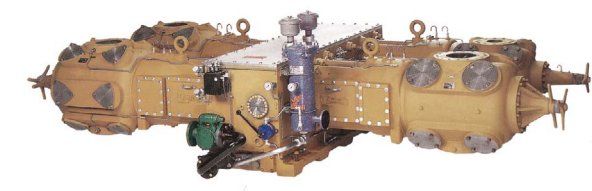
The JGM compressor is developed. Design utilizes ductile iron for connecting rods and introduces a new innovative cylinder configuration.

**1979**

A new higher horsepower machine, the JGR, is offered with a 16,000-pound rod load rating and design speed of 1,200 RPM with a 4-1/4" stroke.

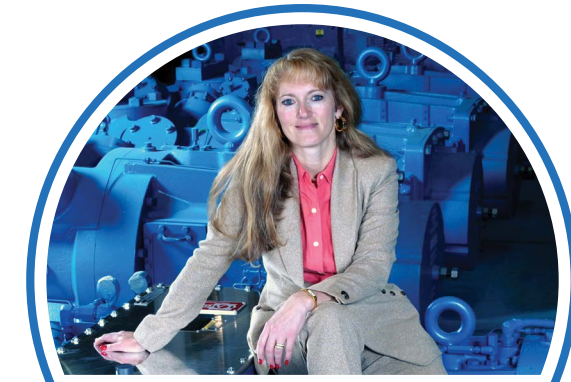


**1984** Jim and Maureen Buchwald review sales.



**1992**

Ariel introduces the JGC, a 6 1/2 inch stroke, 1,000 RPM, 55,000 pound rod load machine to match up with the new 300 mm stroke engines available from two major engine manufacturers.

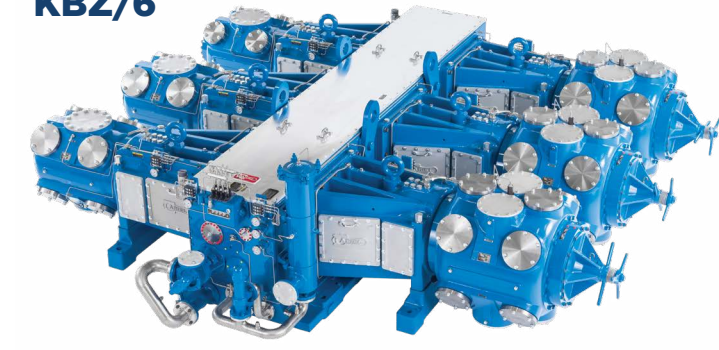


**2001** Karen Buchwald Wright becomes CEO and President of Ariel Corporation.

**1997-98**

Maureen & Jim Buchwald retire from Ariel Corporation.

**KBZ/6**



**2006**

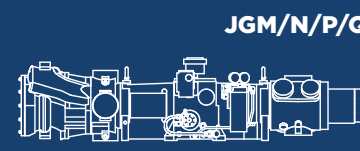
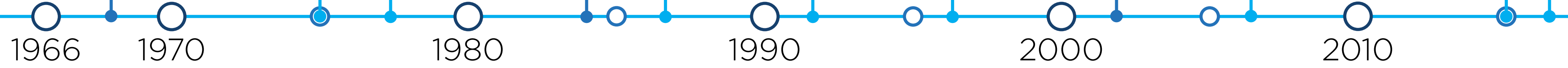
KB product line designation introduced and named after Karen Buchwald Wright.

**2016**

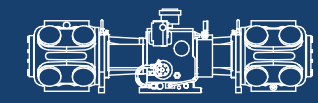
Ariel celebrates 50 years (1966 - 2016).

**2015**

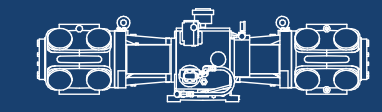
Serial #50,000, KBV/6 ships.



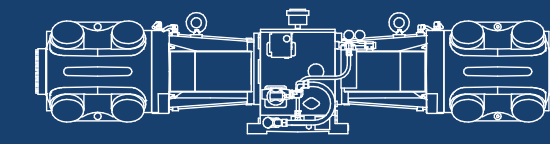
**JGM/N/P/Q**



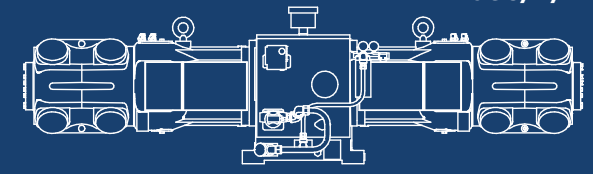
**JG/A**



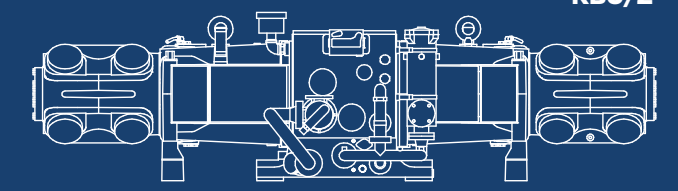
**JGJ/R**



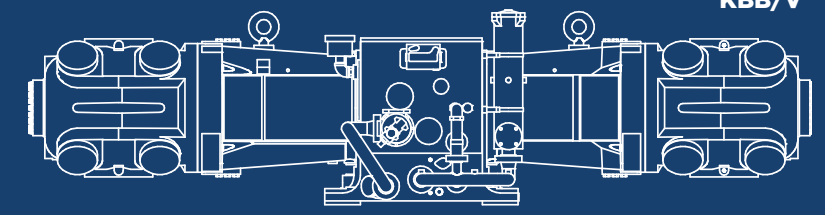
**JGH/E/K/T**



**JGC/D/F**



**KBU/Z**



**KBB/V**



# DESIGN INTEGRITY

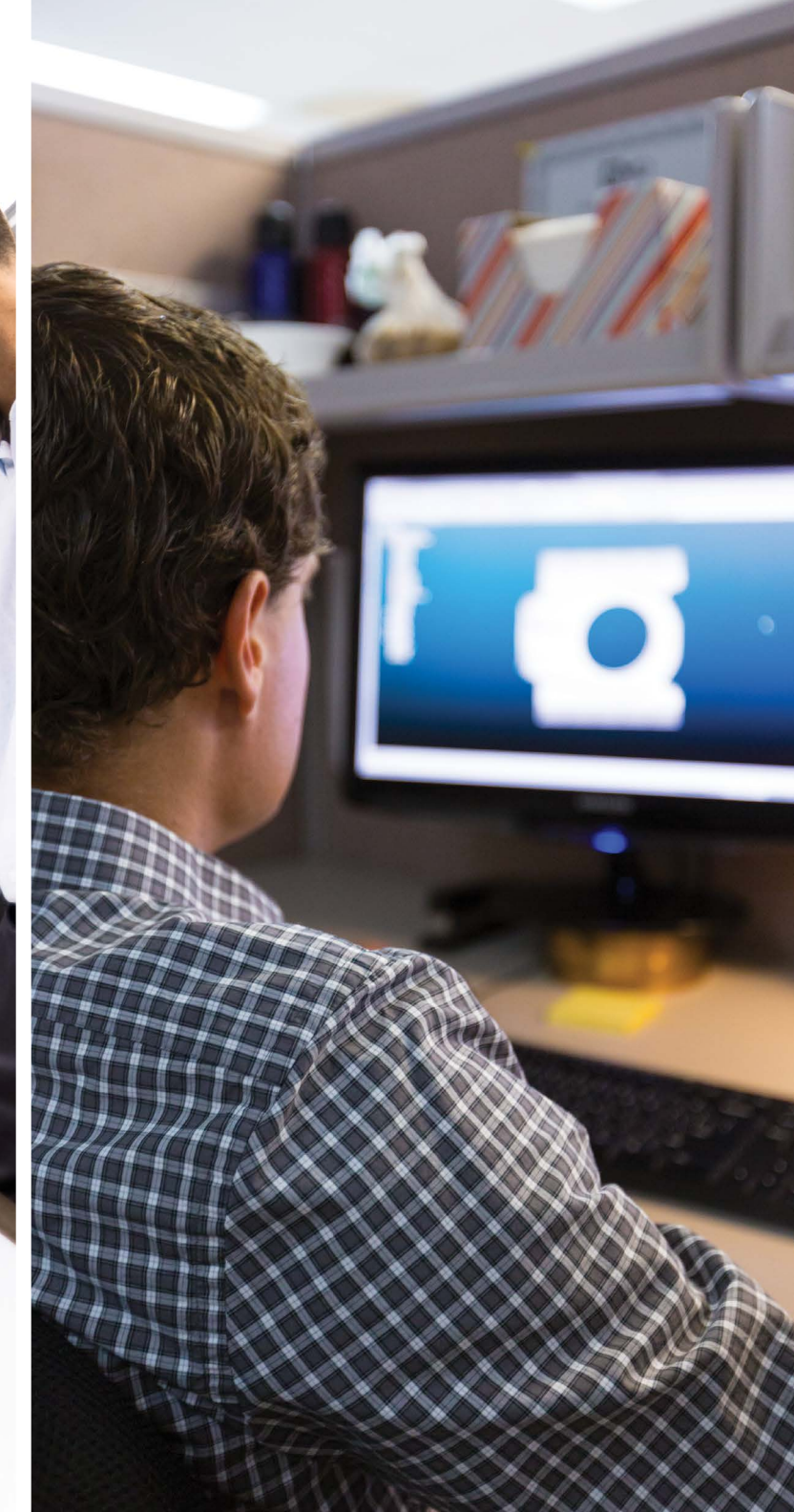
Ariel Compressors are Designed to Last.

Utilizing the latest technology, while drawing on over 50 years of experience, we focus on design and innovation to produce rugged compressors fit for field conditions around the world. Our design approach matches specifically configured compressors to specific drivers to maximize power and operational efficiency. Our proven design philosophy results in low material stresses and reduced bearing loads.

Every design incorporates the feasibility of machining processes. Ease of maintenance is no accident; we design to provide easy access to all areas requiring maintenance. Standardized parts, bolting and tools are incorporated to maximize interchangeability across all product lines. In designing world standard compressors, we leave nothing to chance – we continue to perfect our products by understanding the past, engaging the present, and investing in the future.



At Ariel, our design philosophy revolves around providing a successful, worry-free operation. As a result, our compressors run longer and require minimal maintenance, providing maximum reliability in the field.

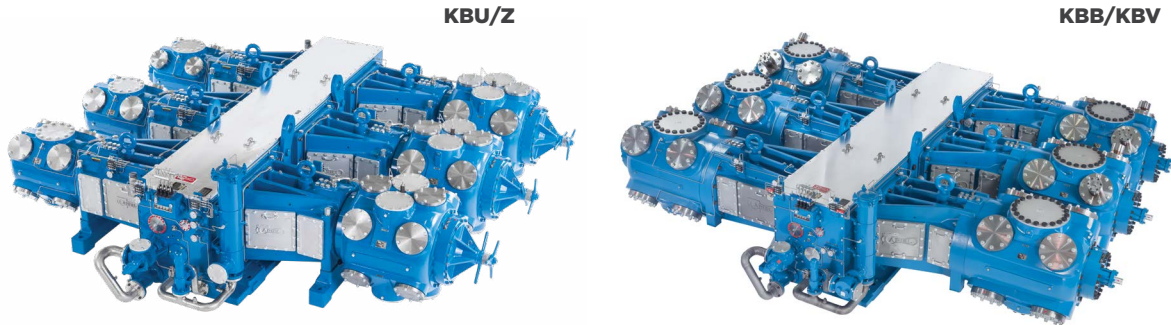




# ARIEL PRODUCT LINE

We offer a wide range of frame classes and models with configurable components, ensuring the right fit for a variety of applications. From field gas gathering and gas storage to refinery and petrochemical applications, our unmatched flexibility gives our customers the ability to choose the best compression solution for their operation.

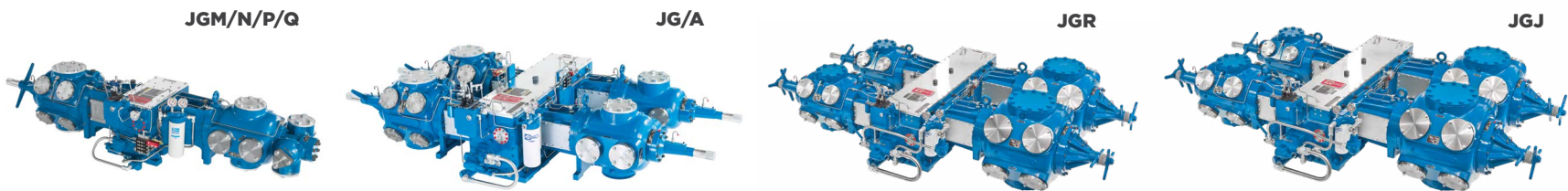
Max BHP Rated Range 2,600 - 10,000



Max BHP Rated Range 1,300 - 6,210



Max BHP Rated Range 85 - 1,860



	2-Throw	4-Throw	6-Throw	Stroke	Max RPM
<b>KBV</b>	—	6,668 bhp	10,000 bhp	8.5 in	750
<b>KBB</b>	—	6,668 bhp	10,000 bhp	7.25 in	900
<b>KBZ</b>	2,600 bhp	5,200 bhp	7,800 bhp	6.75 in	1,000
<b>KBU</b>	2,600 bhp	5,200 bhp	7,800 bhp	5.75 in	1,200
<b>JGF</b>	2,070 bhp	4,140 bhp	6,210 bhp	5.0 in	1,200/1400
<b>JGD</b>	2,070 bhp	4,140 bhp	6,210 bhp	5.5 in	1,200
<b>JGC</b>	2,070 bhp	4,140 bhp	6,210 bhp	6.5 in	1,000
<b>KBT</b>	1,840 bhp	3,680 bhp	5,520 bhp	5.0 in	1,500
<b>KBK</b>	1,840 bhp	3,680 bhp	5,520 bhp	6.0 in	1,200
<b>KBE</b>	1,300 bhp	2,600 bhp	—	5.0 in	1,400
<b>JGJ</b>	620 bhp	1,240 bhp	1,860 bhp	3.5 in	1,800
<b>JGR</b>	430 bhp	860 bhp	—	4.25 in	1,200
<b>JGA</b>	280 bhp	560 bhp	840 bhp	3.0 in	1,800
<b>JG</b>	252 bhp	504 bhp	—	3.5 in	1,500
<b>JGQ</b>	280 bhp	—	—	3.0 in	1,800
<b>JGN</b>	252 bhp	—	—	3.5 in	1,500
<b>JGP</b>	170 bhp	—	—	3.0 in	1,800
<b>JGM</b>	170 bhp	—	—	3.5 in	1,500
<b>KB100</b> <small>*Configured for CNG</small>	100 bhp	—	—	3.0 in	1,800



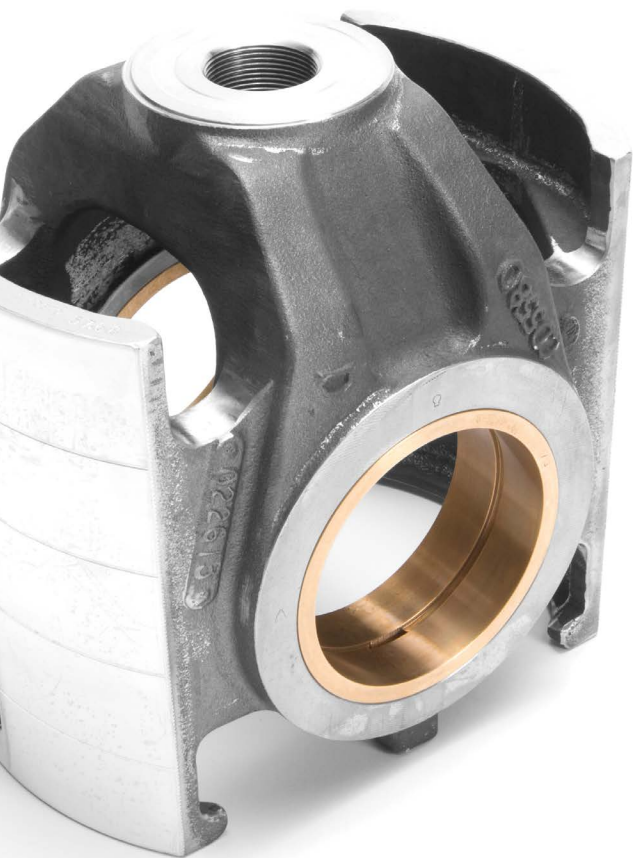


# MANUFACTURING EXCELLENCE

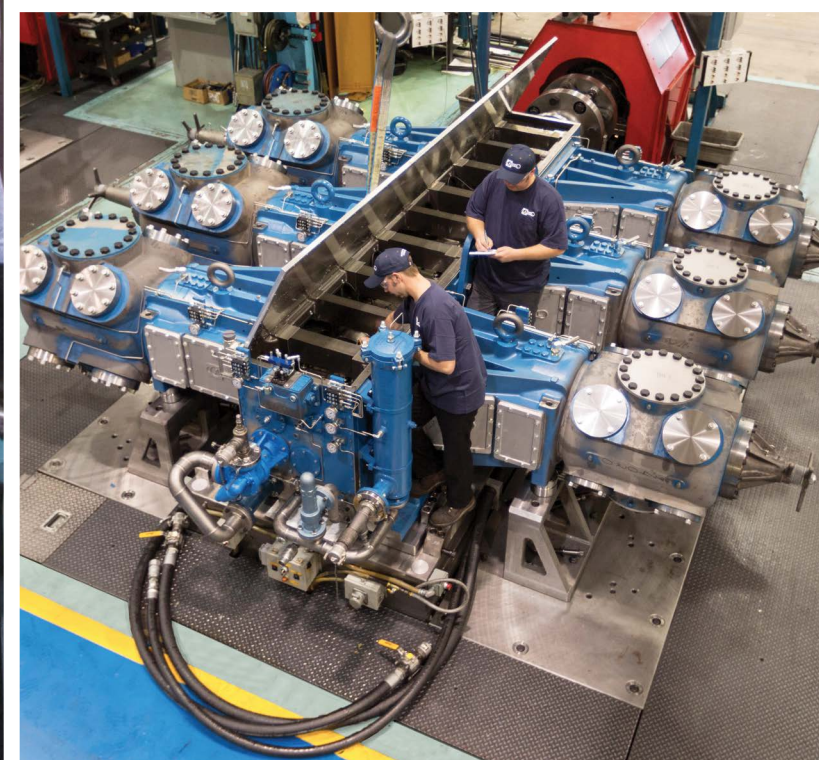
A Tradition of Unmatched Precision and Attention to Detail.

The key to manufacturing excellence at Ariel is our ability to control the process, not from the top, but from within the organization. Each Ariel employee is encouraged to share in the process of continuous improvement. Manufacturing innovations often come from the production floor and become part of the culture that has made us the leader in the industry.

Every year we invest heavily in the development of our facilities, the acquisition of new machine tools, and in the training of our manufacturing workforce. Our clean, climate-controlled factory is part of the Ariel quality control process; worker comfort and safety is very important, but clean facilities and consistent temperatures also contribute to maintaining precision tolerances during manufacturing and assembly.



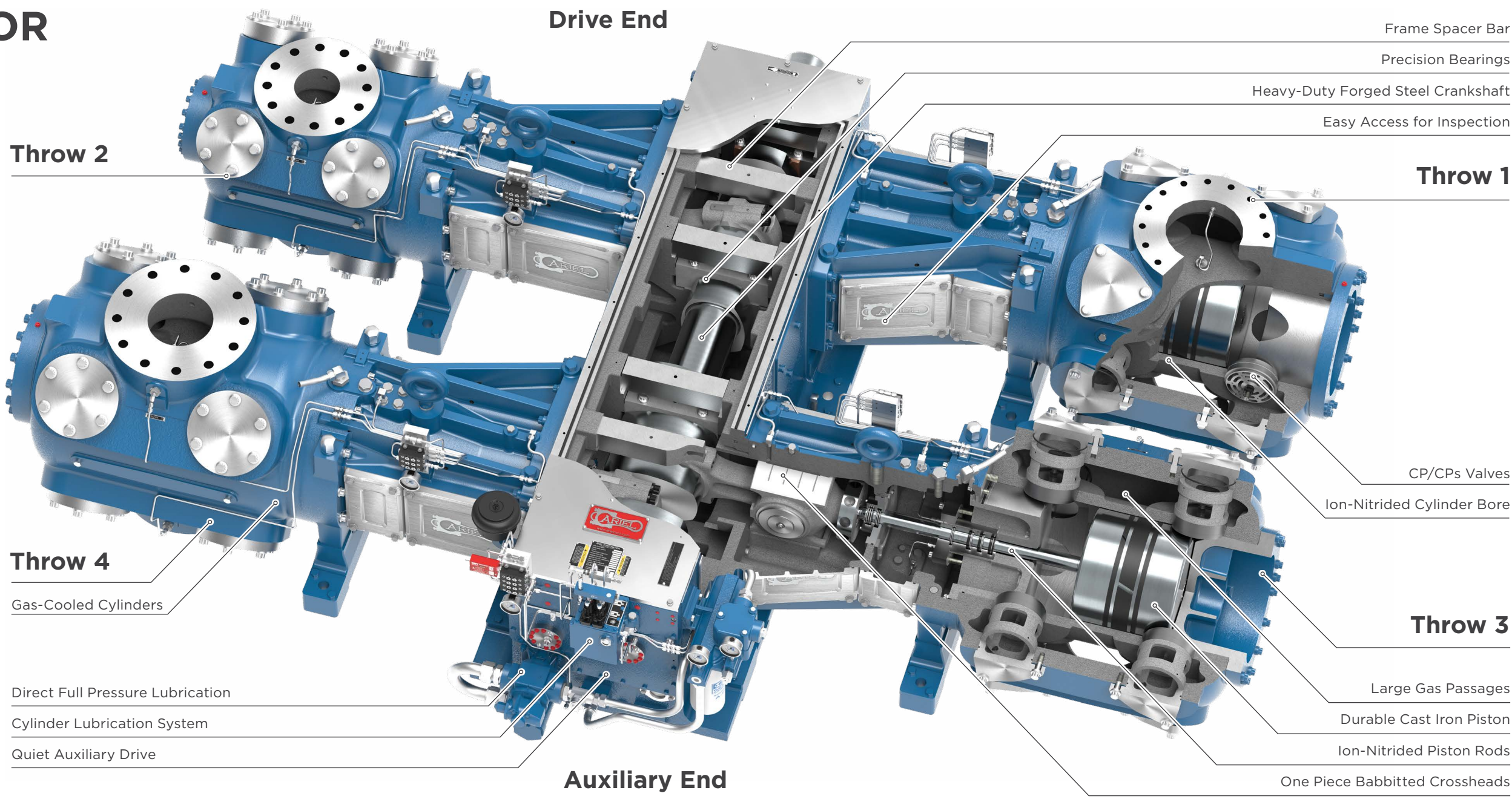
As with any company providing products and services, we are very focused on our customer's needs and satisfaction. Our ISO system has developed the tools needed to be a proactive organization, maintaining the high quality that turns our first time buyers into repeat customers.





# KBK/4 COMPRESSOR SPECIFICATIONS

Rated Power (bhp / kW)
3,680 / 2,744
Stroke (in / mm)
6 / 152
Max RPM
1,200
Tension Rod Load (lbs / kN)
46,000 / 205
Compression Rod Load (lbs / kN)
50,000 / 223
Total Rod Load (lbs / kN)
92,000 / 410
Piston Rod Diameter (in / mm)
2 / 51



## THE ARIEL ADVANTAGE



High-wear components are ion-nitrided to extend their service life.



Every compressor is run through a rigorous 3-step, 4-hour run test.



Compressors are carefully inspected to ensure they meet Ariel standards.



Every Ariel compressor has a comprehensive 12-month warranty. Limited warranty 36-60 months.



Genuine Ariel Parts are available worldwide through the Ariel Distribution Network.



# LONG-TERM RELATIONSHIPS

A Commitment to Forging and Maintaining Lasting Partnerships.

We work hard to build strong, lasting relationships with our customers, suppliers, and employees. We believe in treating people fairly - the way we want to be treated. Working in tandem, from initial design through final installation, our long-term relationships ensure that every Ariel compressor is designed, manufactured, installed, and maintained to meet our high standards.

In addition, the Ariel Global Distribution Network is integral to Ariel's continued growth and success. With locations everywhere in the world, the Ariel Distribution Network consists of trusted Ariel Packagers and parts distribution with Ariel at the center. Strategically located Ariel Regional personnel, including offices in China and Russia, work with more than 700 distributor locations to provide a global network of parts and service support available around the clock.



To maximize the lifetime operation of your compressor, the Ariel Global Distribution Network stocks Genuine Ariel Parts. The same parts that go into new Ariel compressors are available for maintenance; Genuine Ariel Parts ensure peak operation and extended warranty coverage.





# ARIEL GLOBAL NETWORK

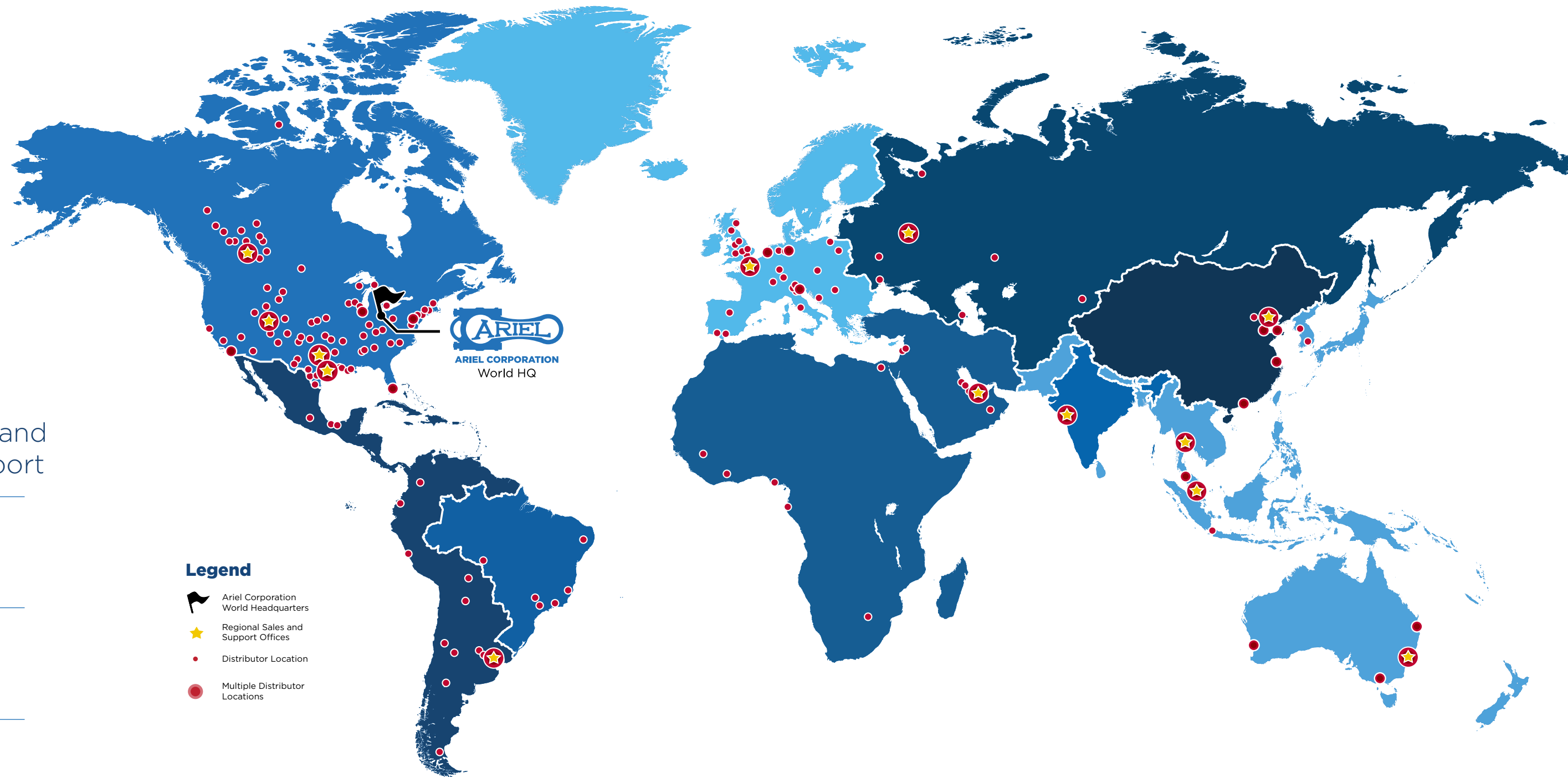
Ariel has the world covered with compressors, parts, and comprehensive support

**100+**

Countries Ariel Compressors Operate

**700+**

Trusted Ariel distributor locations around the world



## ARIEL REGIONAL SALES & SUPPORT LOCATIONS

### **Mount Vernon Ohio, USA**

(World Headquarters)

Houston, Texas

Fort Worth, Texas

Denver, Colorado

Calgary, AB, Canada

Moscow, Russia

Beijing, China

Sydney, Australia

The Netherlands

Singapore

Bangkok, Thailand

Mumbai, India

Dubai, UAE

Buenos Aires, Argentina



# CORPORATE OUTREACH

Developing Skills for the Compression Industry.

We have long worked closely with the oil and gas industry, from distributors to end-users worldwide, and we have engaged with the public about what we do. We recognize the importance of education and training for the continued growth of the industry, and we know that a professional workforce, knowledgeable about the natural gas industry and its associated technology and equipment, is essential for the future of our industry.

We deliver on this vision by offering a number of resources and options for technical instruction: free classes at the Ariel Training Center, domestic and international training, extensive information on the Ariel website, and access to the most comprehensive on-line basic training course in the industry, covering the operation and maintenance of Ariel compressors and the Ariel Performance Program - our proprietary compressor sizing and selection software.



We have developed partnerships in our community to promote talent amongst the young people who are selecting career paths or are just beginning their careers. In addition to these local programs, we also support regional, national and international post-secondary training programs in conjunction with leading educational institutions.





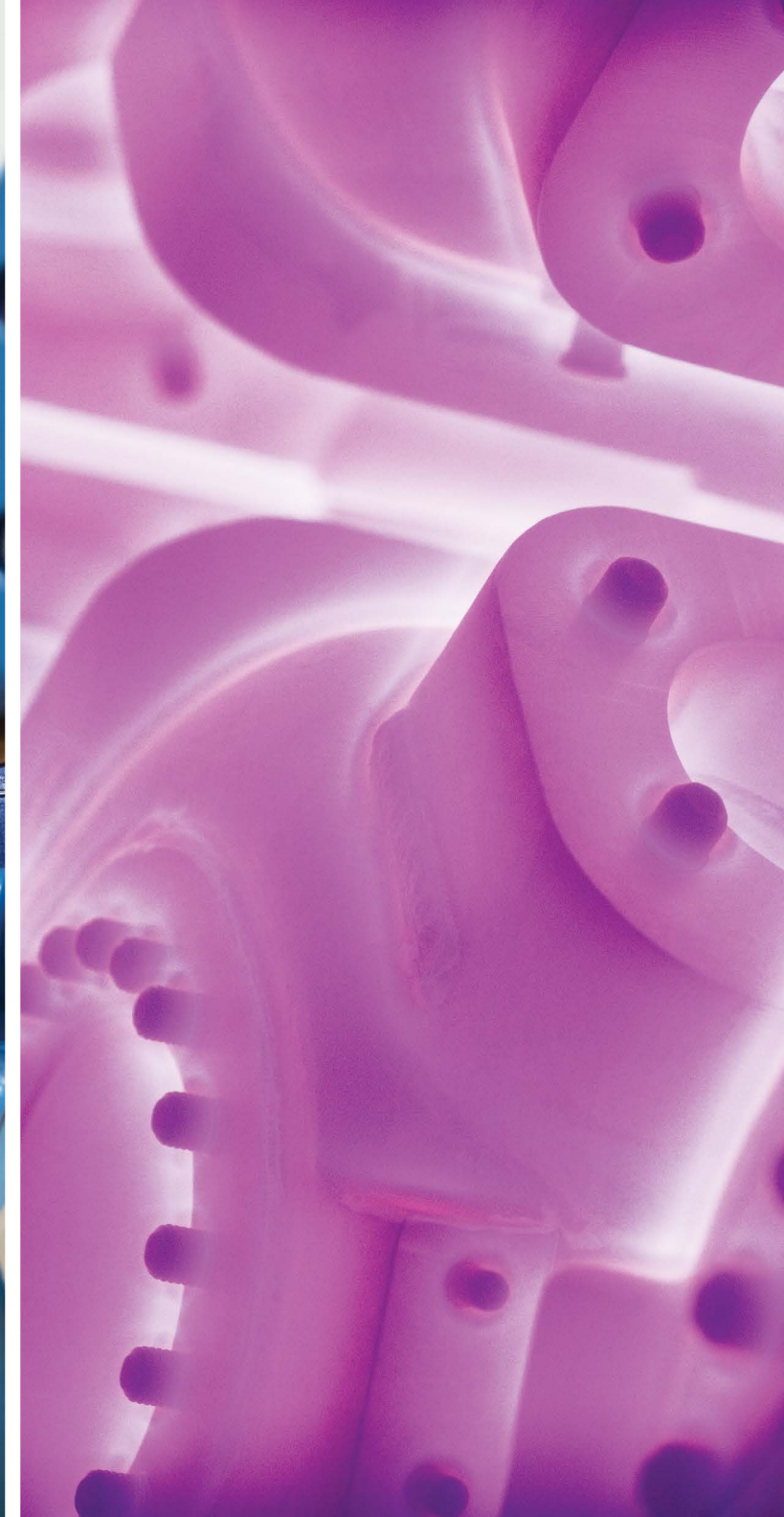
# INNOVATION

Every Ariel Employee is Committed to Product Development.

True innovation requires more than just the dedicated work of skilled individuals. At Ariel, improvement and efficiency are born in the spirit of collaboration between many groups. Design Engineering, Manufacturing, Applications Engineering, Research and Development, and Technical Service all participate, and they all depend on each other to bring you the best compressors in the world. We pride ourselves on our long history of meeting challenges by approaching projects from all angles, by people with diverse experience and perspectives, using the finest technology available. This is more than an internal approach; our specialists work closely with our suppliers and customers as well: we listen to the market. We listen to you.



The Ariel Research and Development Center is a 20,000 square-foot state-of-the-art facility that includes laboratories, workshops, and closed-loop compressor installations equipped with the latest monitoring and diagnostic technology.





# DIGITAL SOLUTIONS

Ariel offers a variety of software and applications designed with our customers in mind. These programs give our customers decision-support capabilities to maximize their compression efficiency, performance, and reliability.

The **Ariel 7 Performance Program** is Ariel's comprehensive sizing software that allows users to fine tune the selection and analysis of new or existing compression solutions. From project evaluation to order submission, Ariel provides the tools you need, when and where you need them.

The **Ariel Torque Guide.** Acting as an electronic companion to Ariel's comprehensive Engineering Reference Torque documents, this app allows you to quickly and conveniently determine the proper fastener for your Ariel compressor, anytime, anywhere.



DOWNLOAD ON THE APP  
STORE & GOOGLE PLAY



Visit [www.arielcorp.com/media/software-apps/](http://www.arielcorp.com/media/software-apps/) for more information



## ARIEL eLearning

*Ariel Connect* is the central hub for all of Ariel's dynamic online learning and classroom training. *The Ariel Basic Product Training: Online Edition* is our flagship eLearning offering, the industry's most comprehensive online training program. It covers the same topics as our industry-leading, instructor-led training program with the convenience of access anywhere and any time!

### THE ARIEL BASIC PRODUCT TRAINING | ONLINE EDITION





# SERVICE & SUPPORT

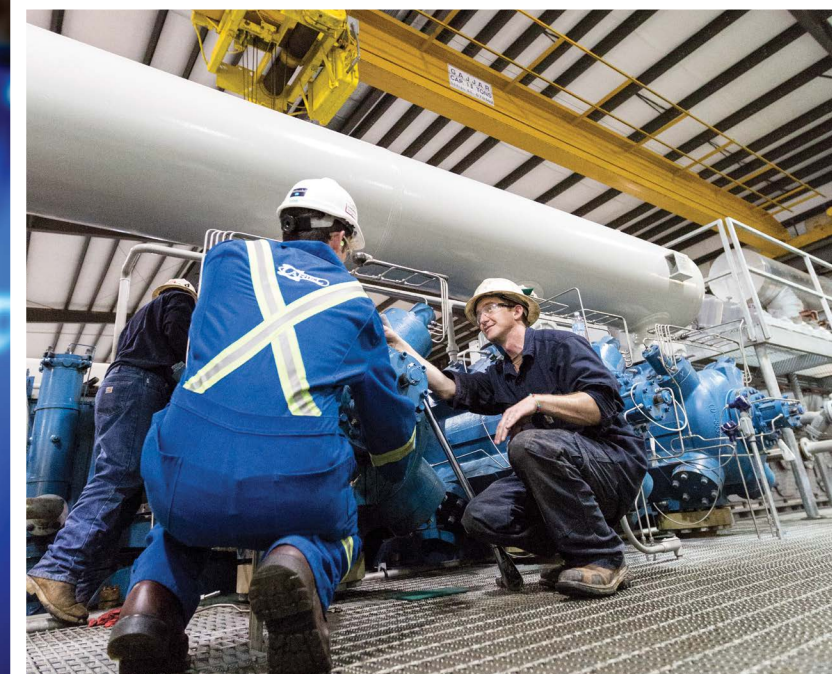
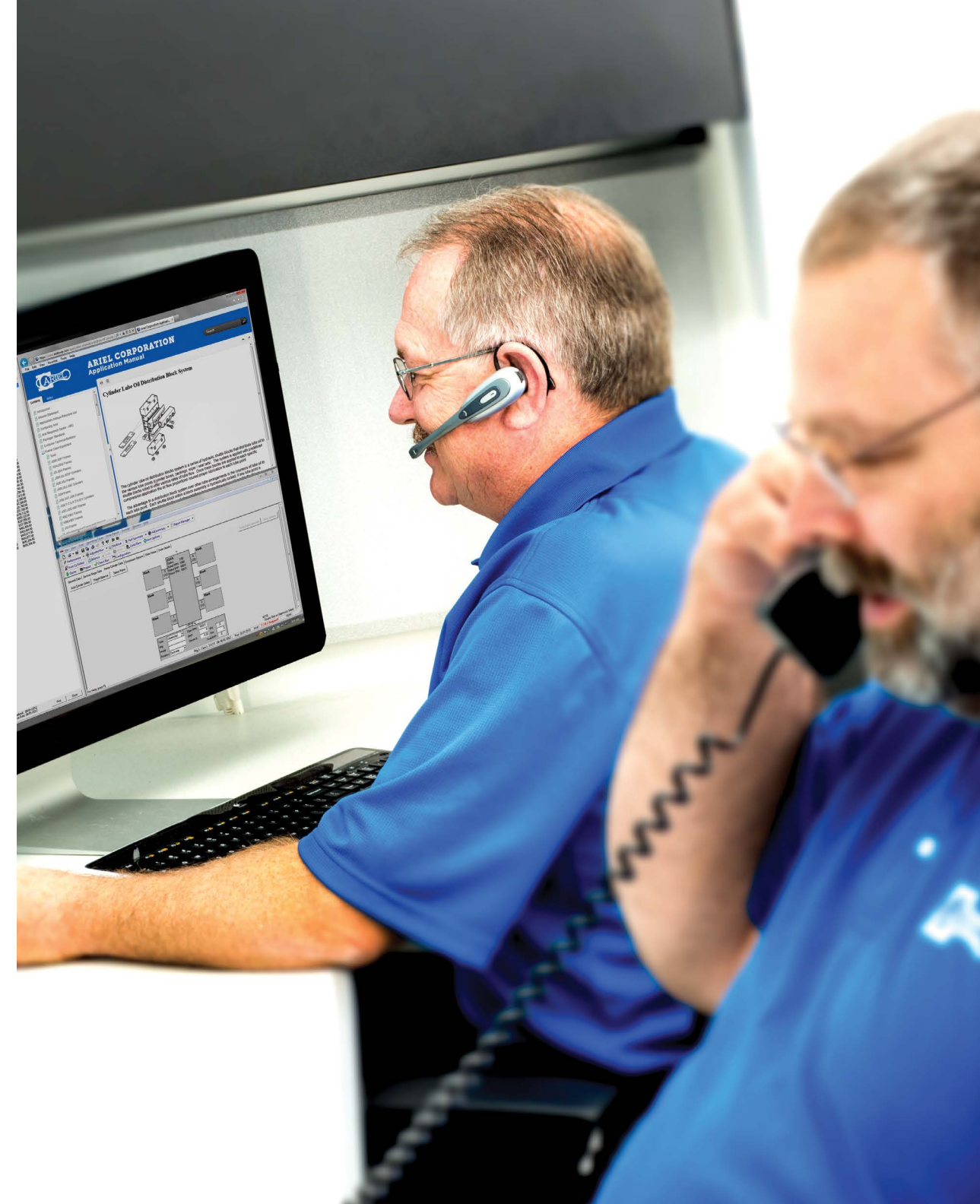
24/7- Dedication: We Are Here for You Anytime, Anywhere.

Our commitment to supporting our products for the lifetime of installation is still as true today as it was over 50 years ago. This has led to the creation of one of the most robust portfolios of support offerings in the industry. Our comprehensive service and support team is available around the clock with the information you need – anytime and anywhere.

Our support includes experienced Application Engineers working with proprietary software to maximize your compressor package. After installation, our regional compressor technical experts around the world are ideally placed to assist you with keeping your Ariel compressors running strong.



The Ariel Response Center provides world-class customer support. With over 100 years of combined Ariel experience in assembly, spare parts, and manufacturing, our team's sole purpose is to assist customers with questions about compressor data, reconfigurations, spare parts, and maintenance.





# ARIEL PEOPLE

Our People and Community are Central to Our Success.

Our commitment to quality has always centered on our people. We've nurtured an environment focused on developing the next generation of industry leaders through continuous learning, innovation, and teamwork. We are particularly proud of our Engineering Co-op program, which selects talented young professionals from the region's leading universities.

By offering our employees a wide variety of programs and benefits, we've encouraged wellness, education, and pride. Through these efforts we have cultivated a skilled and dedicated workforce, producing the finest compressors in the world.



We believe that one of the best ways to support our workforce is to support the community in which our people live and work. We support local and national charitable organizations, public works, and local education efforts, ensuring that the next generation of Ariel People have the best community possible.





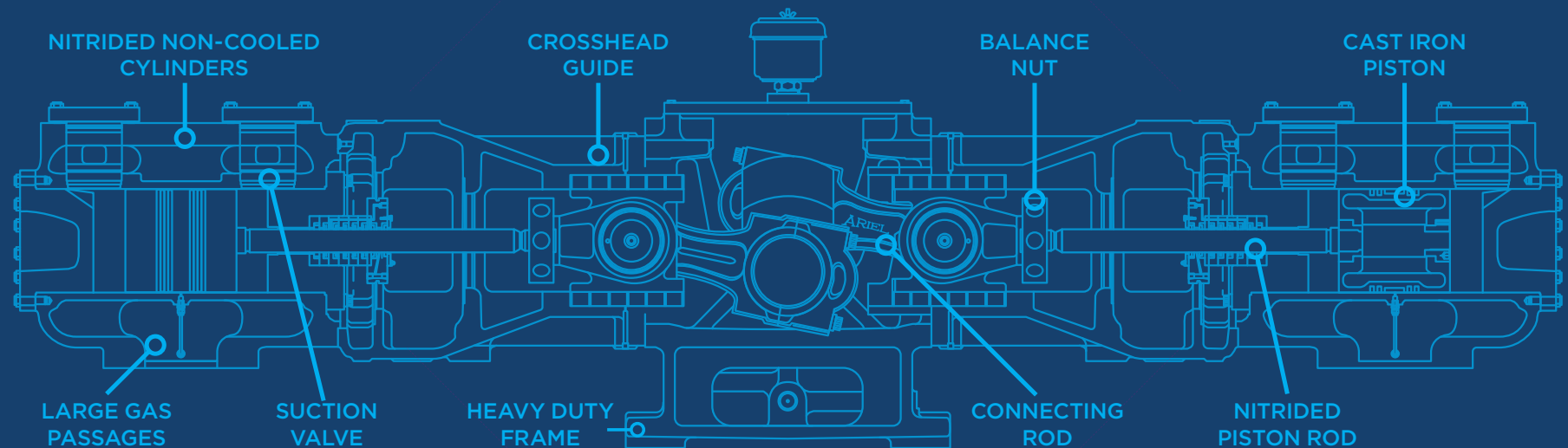
# ARIEL CORPORATION WORLD HEADQUARTERS

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Connect With Us



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