



THE OEM SOLUTIONS PARTNERSHIP PACK

Integrating market-leading
compressed air and gas
technology into your
equipment platforms to
eliminate engineering
risk and optimise lifetime
platform economics

Launching something new – or replacing what's not working? Rethink your compressed air and gas solution.

OEM-ready compressed air systems that integrate seamlessly – and perform reliably – from day one.

We enable machinery and utility vehicle Original Equipment Manufacturers (OEMs) to build market-leading equipment by streamlining the integration of critical compressed air systems. We deliver complete solutions that integrate seamlessly, perform reliably over time and support your long-term success.

Our portfolio ranges from oil-free and oil-injected air ends and compressor packages to integrated units, gas ends, lubricants, and accessories. Our partnership-focused operating model makes us a flexible and reliable partner, helping you power your product portfolio with maximised efficiency, reliability and competitiveness, regardless of industry.

Whether the objective is to **design a new system, resolve performance issues, or replace an existing supplier**, the challenge remains consistent: **compressed air systems must integrate seamlessly, perform reliably, and support long-term success.**

DESIGNED TO INTEGRATE. BUILT TO PERFORM.

When compressed air becomes part of your machine, it must integrate cleanly, perform predictably, and never become a source of rework or uncertainty.

COMMON CHALLENGES INCLUDE:

1

Limited installation space and packaging constraints

2

Performance uncertainty under real operating conditions

3

Integration issues identified late in development

4

Incomplete technical data or documentation

A BETTER APPROACH

- Integration-ready components and modules
- Application-focused engineering collaboration
- Fewer suppliers, fewer interfaces
- Consistent global support

The result is a machine that performs as intended, with fewer risks and greater long-term reliability.



A partner built for OEM challenges – proven in the field

From standalone components to fully integrated compressor systems, we deliver the technology, expertise, and support required to make your equipment perform and win in the market – reliably, globally, and at scale.

OEM Solutions, part of Ingersoll Rand, supplies air ends, gas ends, and proven components to manufacturers of equipment that utilise compressed air or gas. With a strong global presence and manufacturing facilities in China, India, Europe, and the USA, we ensure reliable supply and consistent quality worldwide.

Since the 1950s, OEM Solutions has delivered world-class rotary screw compressor stages, developing over 20 proprietary rotor profiles used across hundreds of air end and gas end models. This extensive experience enables us to provide high-performance, reliable, durable, and energy-efficient solutions that support our customers' product competitiveness.

We combine **advanced engineering, innovative technology, and robust design with close collaboration**, helping our customers develop trouble-free, high-performing products that succeed in demanding applications.

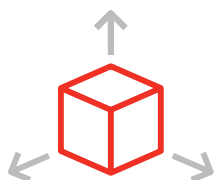
Above all, we are committed to being a **flexible, dependable and trusted business partner**, supporting your long-term growth and success.



20+ years of OEM-focused expertise in a 150-year company



Global footprint with local support



Thousands of systems delivered annually



The benefits of OEM

✓ **Broad manufacturer-dedicated OEM portfolio:**

Air ends, gas ends, compressor packages, integrated modules, and accessories – covering a wide range of performance requirements and machine types

✓ **Scalable solution approach:**

Supporting everything from compact systems to advanced, application-specific compressor architectures

✓ **Proven reliability:**

Technologies tested over decades in harsh and mission-critical environments

✓ **Engineering-ready documentation:**

Detailed installation manuals, 3D models, drawings, and parts documentation to streamline development and assembly

✓ **Ease of working together:**

Clear communication, technical support, and structured processes that reduce friction across product management, engineering, sourcing, and quality teams

CUSTOMER QUOTES:

“Compact, easy to integrate, and backed by excellent documentation.”

– **Commercial Manager,**
Mining equipment manufacturing

“Reliable under harsh conditions – with minimal warranty issues.”

– **Service Manager,**
Automotive / truck equipment & maintenance

“Uptime and fast cycles drove our choice. We trust the equipment daily.”

– **Operations Manager,**
Drilling & mining services

“Systematic support and strong security of supply – built for long-term partnership.”

– **Sourcing Manager,**
Mining & underground construction equipment

GLOBAL PRESENCE



Engineered for your application – even when it's not standard

From **drilling rigs to railcars**, we support a broad range of applications – without forcing standard solutions into unique machines.

OEM customers typically focus on one or two industries. Their machines are optimised for specific use cases, environments, and customer expectations. In contrast, we operate across a wide spectrum of industries – bringing broader experience into each specific application.

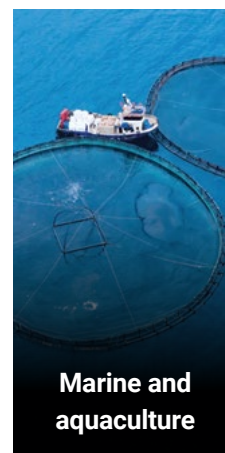
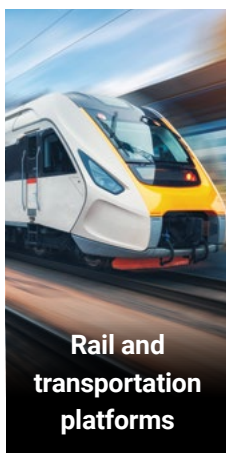
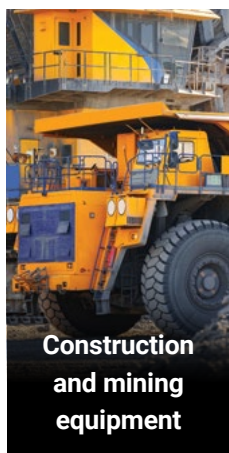
This is not about generalisation – it is about **adaptability**.

Applications vary significantly, even within the same sector. Requirements around compressed air pressure, capacity, duty cycle, and environmental conditions differ from one machine to another. The critical factor is the ability to understand and respond to these variations.

What enables this breadth is a combination of technological range and application expertise. Multiple compressor technologies – including **oil-free, oil-injected, and gas handling, including multi-stage high-pressure solutions** – allow for flexibility in addressing diverse technical challenges.

For highly specialised or niche applications, this flexibility becomes essential. Standard solutions are often insufficient, requiring tailored approaches that balance performance, integration, and durability.

The **objective** remains consistent: **to ensure that the compressed air and gas solution fits the application – technically, operationally, and commercially.**



Our experience spans multiple sectors where compressed air is paramount to the performance of mission-critical equipment, including:

- Construction and mining equipment
- Food and beverage
- Rail and transportation platforms
- Oil, gas, and energy applications (ATEX and API)
- Aerospace ground support equipment
- Fire and rescue systems
- Specialty vehicles and mobile machinery
- Niche and process applications (including gas handling and highly specialised use cases)
- Marine and aquaculture applications



A portfolio built for today's requirements – and future demands

From core compressor technologies to integrated systems, we offer a broad, proven portfolio designed to meet diverse application demands – while continuously evolving to support future performance and efficiency needs.

OEM applications require flexibility across performance, environment, and system design. The product portfolio is structured to address this diversity while maintaining technical consistency.

TECHNICAL SPECIFICATIONS



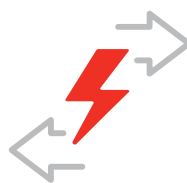
Pressure Range

- Up to 35 bar (500 psi) outlet
- Up to 8 bar (116 psi) inlet



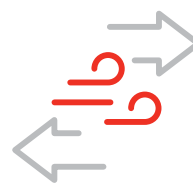
Compression Technology

- Oil-injected
- Oil-free
- Reciprocating
- Sliding vane
- And others



Power Range

2.5 kW (3 hp) to
900 kW (1200 hp)



Flow Range

34 m³/h (20 cfm) to
10700 m³/h (6300 cfm)



Portfolio overview for OEM manufacturing partners

OIL-FREE SCREW COMPRESSOR AIR ENDS

Designed for applications where air purity and reliability is critical and any risk of contamination must be eliminated. These air ends are suitable for OEMs serving food and beverage, pharmaceutical, electronics, healthcare and specialty industrial markets.

- Totally oil-free compression with single-stage and two-stage gear-driven configurations
- Available for fixed-speed and variable-speed compressor designs
- **Ultracoat® rotor coating** helps maintain long-term efficiency and corrosion resistance, validated for operating temperatures up to 270°C (518°F)
- Proven reliability backed by more than 60 years of oil-free compressor experience
- Designed for continuous-duty applications requiring high air quality and dependable operation
- Supports compact OEM package design with optimised efficiency and serviceability



OIL-INJECTED SCREW AIR ENDS

A comprehensive range of industrial screw air ends designed to meet the requirements of stationary, mobile and heavy-duty OEM equipment manufacturers.

- Available in single-stage and two-stage configurations
- Direct-drive, belt-drive and gear-drive options
- Designed for 24/7 continuous operation in demanding environments
- High volumetric efficiency across a broad speed range
- Low specific power demand for improved package efficiency
- Robust bearing systems and durable construction for extended service life
- Proven performance in mining, construction, industrial manufacturing, specialty vehicles, ground support equipment and utility applications
- **Enduro® / Tamrotor / GHH Rand / TMIC / Ingersoll Rand platform** brings more than 50 years of screw compressor expertise to OEM package development



HIGH-PRESSURE SINGLE-STAGE AIR ENDS

TMIC high-pressure single-stage air ends support OEMs that require elevated discharge pressures for industrial, marine, energy, transportation and specialty applications.

- Engineered for high-pressure single-stage compressed air applications
- Compact design supporting efficient OEM package integration
- Available for fixed-speed and variable-speed compressor systems
- Proven technology for demanding operational environments
- **Pressure capability** up to 20 barg (290 psig) for single-stage air ends
- Optimised rotor profiles to balance efficiency, reliability and package size constraints
- Suitable for industrial air systems, transportation equipment, marine systems and customised compressor packages



ENDURO® GAS ENDS

Enduro® gas ends are engineered for process gas applications where efficiency, safety and reliability are critical.

- ATEX-conformity
- Suitable for hydrocarbon, inert, process and specialty gases
- **Pressure range** from 3 to 16 barg (44 to 232 psig)
- **Power range** from 4 to 215 kW (5 to 288 hp)
- **Flow range** from 0.5 to 30 m³/min / 0.026 - 1.525 MMscfd
- Customisable for specific OEM package requirements
- Designed for reliable operation in demanding industrial gas applications



TMIC GAS ENDS – MECHANICAL SEAL FOCUS FOR MARINE AND PROCESS APPLICATIONS

TMIC gas ends are positioned as the higher-pressure gas-compression technology for specialised applications, with particular emphasis on mechanical seal configurations and marine operating environments.

- ATEX-conformity, API compliant with exceptions
- Advanced screw gas-end technology for challenging operating conditions
- Mechanical seal technology for applications where gas containment and process reliability are essential
- Suitable for marine, offshore, vapor recovery, industrial gas and specialty process applications
- **Pressure capability:** suction pressure up to 8 barg (115 psig) and discharge pressure up to 25 barg (360 psig)
- **Power Range** from 7.5 kW to 900 kW / (10 to 1200 hp)
- **Flow Range** from 0.7 to 90 m³/min (25 to 3200 cfm) / 0.036 - 4.6 MMSCFD
- Designed for high reliability, compact package integration and long service intervals
- Appropriate for engineered gas-compression systems where application-specific adaptation is required



INTEGRATED AIR ENDS AND SEMI-INTEGRATED COMPRESSOR UNITS

Pre-engineered solutions designed to simplify compressor development, reduce OEM assembly requirements and accelerate time-to-market.

- Reduced engineering effort and sourcing complexity
- Compact, installation-friendly designs
- Factory-developed compatibility between key compressor components
- Ideal for specialised machinery and vehicle applications
- Applicable to railway applications, gas applications, Compressed Air Foam Systems (CAFS) and customised compressor packages
- Optimised for reliability, serviceability and lifecycle performance



COMPRESSOR PACKAGES – CT SERIES

Space-saving compressors for mobile, onboard compressed air applications including all key components excluding starter.

- Self-contained compressor package architecture
- Electric or hydraulic drive options
- Designed for mobile and space-constrained installations
- Suitable for 24/7/365 operation
- Available with multiple cooling and electrical configurations
- Factory-tested assemblies that help reduce development and installation costs
- **Published CT examples** up to 75 kW (100 hp), up to 12.2 m³/min (431 cfm) with electric drive, and up to 11.7 m³/min (413 cfm) with hydraulic drive at a 7 barg (102 psig) reference pressure



COMPRESSOR ACCESSORIES

A dedicated portfolio of OEM-ready accessories helps create a complete and robust compressed-air system within specialised vehicles, machines and compressor packages.

- Intake valves and minimum pressure valves
- Oil separation systems and oil filtration components
- Inlet filtration and air treatment components
- Cooling packages and heat exchangers
- Control systems, sensors and monitoring components
- Couplings, transmission components and package integration hardware
- Integrated piping, manifolds and application-specific accessory packages



AFTERMARKET AND LIFECYCLE SUPPORT

OEM partnership extends beyond the initial component supply. Lifecycle support helps customers protect uptime, maintain performance and support installed equipment over the long term.

- Genuine spare parts and service kits
- Maintenance components and technical documentation
- Application engineering support and commissioning
- Product and aftermarket training programs
- Global logistics and parts availability
- Warranty support and lifecycle management
- Aftermarket services backed by Ingersoll Rand's worldwide network
- Support for long-term reliability and lower total cost of ownership
- Lubricants (including food-grade lubricants)



Warranty Extension

How we work with OEMs – From first contact to a reliable OEM partnership

Starting a collaboration should be straightforward. Our process is designed to quickly understand your needs, align on the right solution, and move efficiently towards a working partnership.

What makes this process effective?

- Clear steps with defined outcomes
- Early alignment to avoid late-stage issues
- Technical collaboration – not just product delivery
- Flexibility to adapt to your project type and pace

START

EVERY COLLABORATION starts the same way: we begin with your application, your constraints, and your goals.

1

Application Review

- Duty cycle and operating conditions
- Performance requirements
- Installation and integration constraints
- Project timeline and commercial objectives

2

Technical Alignment & Solution Definition

- Matching product and technology needs
- Developing a tailored offering lifecycle support

3

Validation & Engineering Support

- Prototype evaluation
- Technical troubleshooting
- Application engineering support

4

Production & Lifecycle Support

- Reliable global supply
- Technical documentation
- Spare parts and service support
- Continuous lifecycle assistance



Let's build the right solution together

Compressed air should enable your machine – not limit it.

Bring your application, your constraints, or your current challenge – and we'll take it from there.

