



# Capability Statement

**KAESER Compressors New Zealand**  
Your compressed air partner

**“your partner for efficient compressed air system solutions”**



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The following capability statement covers the supply of equipment and services. Technical equipment standards and available options can be downloaded from [nz.kaeser.com](http://nz.kaeser.com)

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MORE COMPRESSED AIR WITH LESS ENERGY.

# Company Profile

KAESER Compressors is one of the largest and most successful suppliers of air systems with over 8,000 employees worldwide.

## The Global Compressed Air Systems Provider

In 1919, Carl Kaeser founded KAESER Kompressoren in Germany. The company is still owned and operated by the Kaeser family and today employs over 8,000 dedicated people.

With over 100 years of engineering experience and technical know-how, KAESER Compressors ranks amongst the world's largest and most successful compressor manufacturers.

## Made in Germany

From the state-of-the-art production facility in Coburg, Germany, KAESER is proud to manufacture its extensive range of; compressors, blowers and compressed air systems, which are exported globally through a comprehensive network of branches, subsidiaries and authorised distribution partners in over 140 countries.

## Future Oriented

By offering innovative, efficient and reliable products and services, KAESER's experienced consultants and engineers work in close partnership with customers to enhance their competitive edge and to develop progressive system concepts that continuously push the boundaries of performance and technology.

Efficiency, reliability, maximum availability and exceptional user-friendliness are long-standing trademarks of KAESER products.

The company's state-of-the-art Research and Development Centre in Coburg houses the very latest equipment, and is designed to provide the research engineers with unrivalled working conditions, to deliver continuous product innovation.

## Industrie 4.0 Ready

In the ultra-flexible Industrie 4.0 production environment, intelligently networked KAESER compressed air systems reliably provide the optimal compressed air power and quality required.

Capable of seamless integration into an overall system and communicating with one another, all KAESER products are ready to take advantage of the future-orientated benefits of Industrie 4.0.

**“our primary goal is to provide exceptional customer service with  
innovative products and progressive system solutions”**





**“KAESER is one of the world’s largest manufacturers of rotary screw compressors”**



QUALITY. MADE IN GERMANY.

# Product Portfolio

The KAESER product range meets and exceeds New Zealand conditions and regulations. In addition, the standard machines are suitable for continuous operation at ambient conditions up to 45°C and higher.

## Rotary Screw Compressors - Oil Lubricated

From 2.2 to 515 kW

Fixed speed or with Sigma Frequency Control

With integrated refrigeration dryer

Rotary Screw Vacuum Pumps

Intake capacity: 4.75 to 15.7 m<sup>3</sup>/min - 99% final vacuum

## Rotary Screw Compressors - OIL.FREE

Two-stage oil-free compression rotary screw compressors

Flow rate: up to 51 m<sup>3</sup>/min

Pressure: 4 to 10 bar

## Reciprocating Compressors

Portable reciprocating compressors

Displacement between: 130 to 660 l/min

Pressure: 10 to 25 bar

Stationary reciprocating compressors

Displacement between: 59 to 1400 l/min

Pressure 7, 10, 15 or 35 bar

Complete packages

Flow rates from 0.25 to 0.90 m<sup>3</sup>/min

Pressure 7, 10 or 12.5 bar

Boosters

For constant high pressure up to 45 bar

## Compressed Air Treatment & Condensate Technology

Centrifugal Separators

Drying; refrigeration, membrane, heated and heatless desiccant and hybritec dryers

Filtration; compressed air filters, high pressure filters, activated carbon adsorbers, fluid separators

Condensate Technology; condensate drains, condensate treatment systems

## Compressed Air Storage & Pressure Maintenance

Compressed Air Storage; vertical and horizontal air receivers.

Volume: 90 to 10,000 litres.

Air-main Charging Systems; for reliable system pressure at all times, improving compressed air response times.

## Controllers

Integral and stand alone compressor controllers and compressed air management systems able to control and manage up to 16 compressors in a compressed air station

## Blowers

Rotary lobe blowers - single blocks

Rotary blowers up to 250 kW

Rotary screw blowers up to 250 kW

Turbo blowers up to 300 kW

## MOBILAIR Portable Compressors

Electric and diesel driven options are available. Oil-free and oil-injected variants. Telematics options suited to rental fleets, for peace of mind knowing where your equipment is at all times.

Delivery: 0.75 to 45.0 m<sup>3</sup>/min

Motor power: 7.5 to 429 kW

Pressure: 7 to 15 bar

## PET Air Systems & Turnkey Container Solutions

Air delivery > 50 m<sup>3</sup>/min

Blow air up to 45 bar



## PREMIUM SERVICE SUPPORT

# Service Portfolio

From our strategically located Service Centres, our dedicated network of highly skilled factory trained Service Technicians provide comprehensive service and backup, including emergency 24/7 service support.

### KAESER AIR SERVICE

KAESER AIR SERVICE ensures continuous end-to-end care of all compressed air systems from its strategically located Service Centres. As a total compressed air system solutions provider, KAESER AIR SERVICE is able to look after all of your compressed air systems - whatever the make or model.

### Highly skilled Service Technicians

All KAESER Service Technicians are factory trained at the KAESER Training School in Australia. They receive regular practical and hands-on training such as hard soldering and fault finding in mechatronic systems.

### Fully Equipped

Our Service Technician's vehicles are fully equipped with genuine KAESER service and maintenance parts for an efficient service experience, ensuring that you can enjoy a reliable supply of compressed air on demand.

### 24/7 Emergency Service

Compressed air needs to be available all day, every day. That's why our replacement parts and Service Technician's are on standby to provide emergency support 24/7.

### Preventive Maintenance Agreements

KAESER AIR SERVICE offers a number of Sigma Cover Service Agreements. Opting to take out Sigma Cover with KAESER ensures that all the on-going maintenance requirements of your compressed air system are covered.

### Regional Spare Parts Warehouse

KAESER carries a large stock of spare parts at its regional warehouse in Auckland ensuring rapid dispatch of maintenance and spare parts required to meet your service requirements.

### Global Networking

KAESER products can be diagnosed remotely and maintained as required thanks to our advanced global networking and data communications system. This leads to increased compressed air availability, maximising the overall cost-effectiveness of your compressed air supply.

### Customer Training

KAESER offers online, on-site and in-house training dependent on customer requirements.



**“compressed air needs to be available all day, every day. That’s why our Service Technician’s are on standby to provide emergency support 24/7”**







**KAESER**

ESD 442

SIGMA 

**“from a stand alone compressor to a complete greenfield turn-key compressed air solution”**





## BESPOKE SOLUTIONS

# Engineering Solutions

From our dedicated in-house Engineering Department, we can deliver a range of bespoke solutions including turn-key compressed air systems.

### Turn-Key Compressed Air Systems

Engineered solutions in the form of skid systems or containerised solutions are geared towards remote sites or sites that provide challenges to get trades persons to.

Having a complete turn-key compressed air system designed, manufactured and tested in house prior to dispatch greatly reduces on site installation time and also avoids incorrect installation of the various components that make up a compressed air system.

KAESER Compressors New Zealand is equipped to provide turn-key solutions.

### New Zealand Mine Spec and Oil & Gas Compressed Air Equipment

KAESER can cater for all mine or specialty site requirements with the below listed special options, just to name a few:

- 24 volt control voltage
- Specialised power supply voltages: 690 volt, 1000 volt etc.
- Climate Zone weather kits
- Modulation control
- 3<sup>rd</sup> party certified equipment performance testing
- High ambient versions

### On-Site Compressed Air Assessments

KAESER has highly effective tools for the planning of new compressed air supply systems and for the optimisation of existing ones.

Through our in-house Engineering Department we can provide full on-site compressed air assessments.

The KAESER ADA 4.0 (Air Demand Analysis) is one of the industry's most comprehensive air analysis systems, providing the following graphical information:

- Air usage on a 24 hour basis showing exact consumption
- Pressure indication on a 24 hour basis
- Air production of individual compressors in a multiple bank set up.

KAESER can also assess plant layout which includes examining and reporting on;

- Air supply distribution
- Pressure drops within systems, pipe layout and restrictions
- Correct sequencing of compressors
- Compressor plant layout; correct ventilation, disposal of condensate waste, connection for portable compressors as well as correct in-line filtration set-up.

Based on the resulting air consumption profiles, KAESER's Energy Saving System (KESS 4.0) can then help determine the best system solution for the individual air application.



# KAESER 4.0

KAESER is Industrie 4.0-ready. As your compressed air partner, we can offer you smart solutions with unprecedented efficiency that can be seamlessly incorporated into your production and energy management systems.

## Industrie 4.0

In the ultra-flexible Industrie 4.0 production environment, intelligently networked compressed air systems provide the optimal compressed air power and quality required. Moreover, potential issues within the compressed air network are identified at a very early stage so that appropriate service measures can be taken before a fault even occurs.

## SIGMA AIR MANAGER 4.0

Adaptive, efficient and networked: demand-oriented compressed air management takes on a whole new meaning with the SIGMA AIR MANAGER 4.0. This advanced master controller coordinates operation of multiple compressors, as well as dryers or filters, with exceptional efficiency.

The patented, simulation-based optimisation process calculates future demand based on past compressed air consumption profiles. Decisions are no longer dictated by a narrow pressure range, but rather by comprehensive energy efficiency optimisation. Saving energy has never been so easy!

## KAESER SIGMA NETWORK

The SIGMA AIR MANAGER 4.0 connects every component within the compressed air station – including external components – via the secure, IP-based KAESER SIGMA NETWORK.

As the central node point, it gathers the individual operating data and forwards them to mobile phones, laptops or tablets for browser-based viewing via KAESER CONNECT.

Comprehensive monitoring, energy management and predictive maintenance are therefore all possible. This not only minimises downtime, but also maximises manufacturing efficiency.

## KAESER 4.0

The combination of remote diagnostics and demand-oriented predictive maintenance ensures maximum compressed air supply availability and complete system effectiveness;

- Prevent unplanned and planned downtime; through evaluation of operating parameters, such as load operating hours and temperatures
- Increase energy efficiency; through monitoring key operating parameters
- Reduce service costs; by up to 30% through optimised servicing and repair avoidance
- Demand-optimize your compressed air system; throughout the system's entire life cycle.

**“KAESER 4.0 - real time adjustment and predictive maintenance”**



**“with KAESER, you are putting your compressed air system in the global  
and local - ‘glocal’ - safe hands of over 8,000 committed employees  
worldwide”**

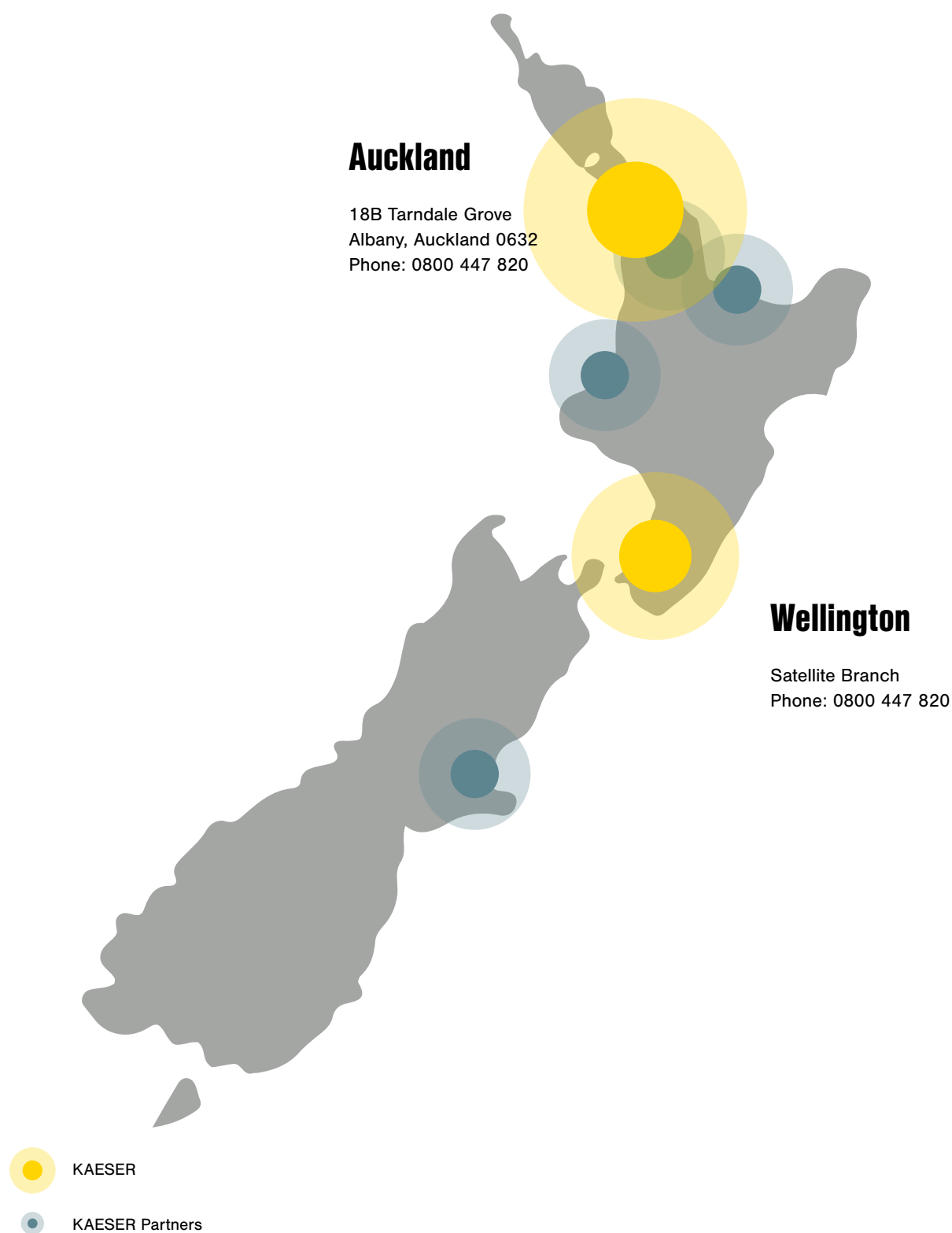




'GLOCAL' COVERAGE

## Locations

KAESER Compressors New Zealand provides comprehensive sales and service throughout New Zealand from its offices in Auckland and a satellite branch in Wellington, alongside an extensive network of Authorised Sales and Service Centres.



INDUSTRY LEADING COMPRESSED AIR SYSTEMS PROVIDER

## Company Information

**Company Name:** KAESER COMPRESSORS NZ Limited

**NZBN:** 9429041763742

**GST:** 117-117-604

**Incorporation Date:** 19<sup>th</sup> June 2015

**Company Address:** 18B Tarndale Grove, Albany, Auckland 0632

**Phone:** +64 9 941 0499

**eMail:** [info.newzealand@kaeser.com](mailto:info.newzealand@kaeser.com)

**24 hour emergency service hotline:** 0800 447 820

### Corporate Memberships:

Hire Industry Association of New Zealand (HIANZ)

Maintenance Engineering Society of New Zealand (MESNZ)

New Zealand-German Business Association (NZGBA)

Water New Zealand

**Web:** [nz.kaeser.com](http://nz.kaeser.com)

**Terms & Conditions of Sale:** [nz.kaeser.com/general-terms-and-conditions/](http://nz.kaeser.com/general-terms-and-conditions/)

**“KAESER Compressors NZ has been serving  
the New Zealand market since 1990”**



# The world is our home

As one of the world's largest manufacturers of compressors, blowers and compressed air systems, KAESER COMPRESSORS is represented throughout the world by a comprehensive network of branches, subsidiaries and authorised distribution partners in over 140 countries.

By offering innovative, efficient and reliable products and services, KAESER COMPRESSOR's experienced consultants and engineers work in close partnership with customers to enhance their competitive edge and to develop progressive system concepts that continuously push the boundaries of performance and technology. Moreover, decades of knowledge and expertise from this industry leading systems provider are made available to each and every customer via the KAESER group's advanced global IT network. These advantages, coupled with KAESER's worldwide service organisation, ensure that every product operates at peak performance at all times, whilst providing maximum availability.

Closer to home, KAESER Compressors serves New Zealand from its offices in Auckland alongside a dedicated network of Authorised Sales and Service Centres strategically located nationwide.



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