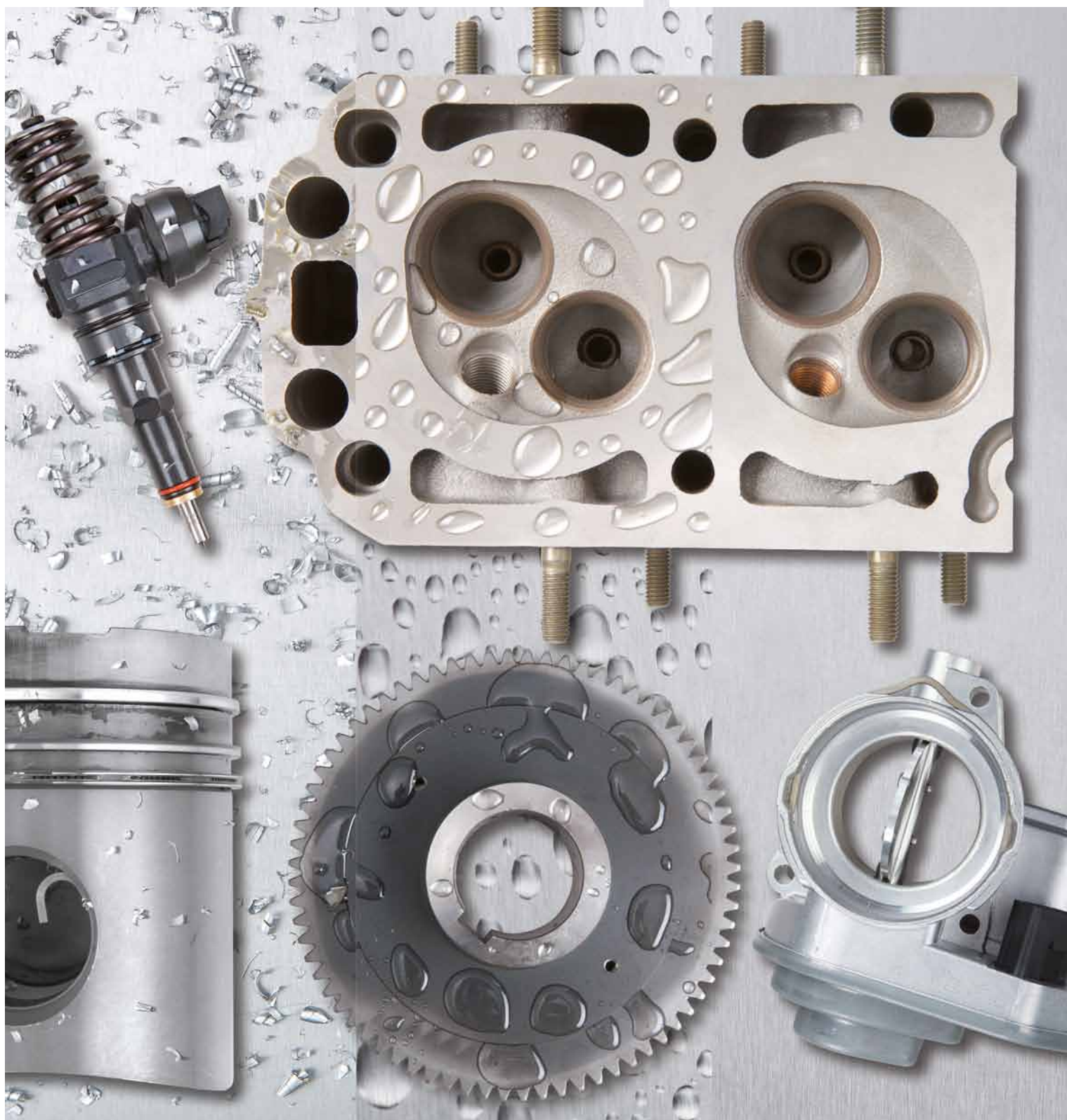


The Innovation leader

**The Optimum in Vacuum Technology
for Industrial Parts Cleaning**





Elmo Rietschle. Leading the Field.



Why Elmo Rietschle?

From our point of view, of course, we see many reasons why you should work with our company for your vacuum and pressure application products:

- Our long history of product and application know-how
- In-depth know-how of processes in industrial parts cleaning
- High quality products
- A global service network with on-site support
- Knowledgeable, personal consultation from our engineers
- Unmatched range of vacuum and pressure technologies

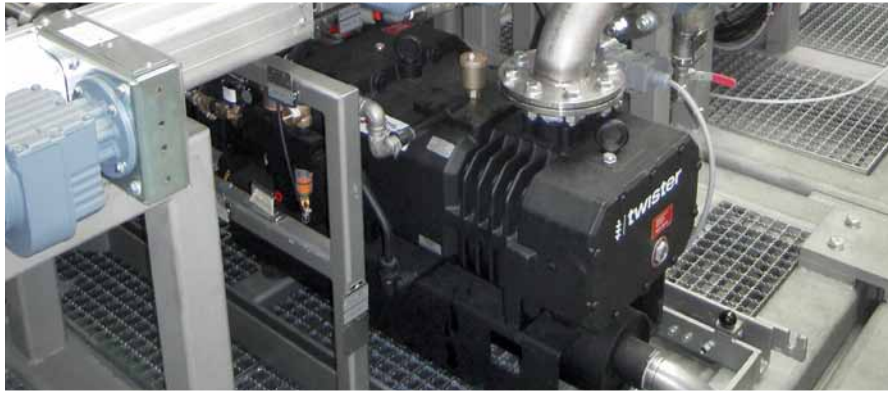
But that is not enough from your point of view – your expectations are higher. And rightly so. The decisions you make regarding partners with whom you want to work also depend on whether the following value-added parameters are fulfilled:

- Fair market pricing
- Competitive operating costs
- Environmental compatibility and durability
- On-time delivery
- Low maintenance costs
- Competent after-sales service

Only after all of these prerequisites and requirements have been met can you be sure that you have made the right decision.

With vacuum pumps and compressors from Elmo Rietschle, you acquire more than “just” a first class product that precisely fits your needs – you have a solution. Once that is done, you do not have to worry about our pumps and compressors for the time being – we keep our promises. Take our word.

Peace of Mind.



Applications



Dry blasting

In this process, the work piece is blow dried with a side channel blower. The flow volume and pressure of the air stream are critical for the degree of dryness. The temperature of the air stream also contributes to the effectiveness of the drying process.

Vacuum drying

With vacuum drying, difficult spots such as blind bore holes, narrow lubrication channels and even internal passage ways can be dried completely, with no residual water remaining in voids or uneven surfaces.

In this process, a vacuum is created in the washing chamber. When the pressure drops below that of the vapor pressure of the fluid to be removed, the fluid evaporates and the parts are dried.

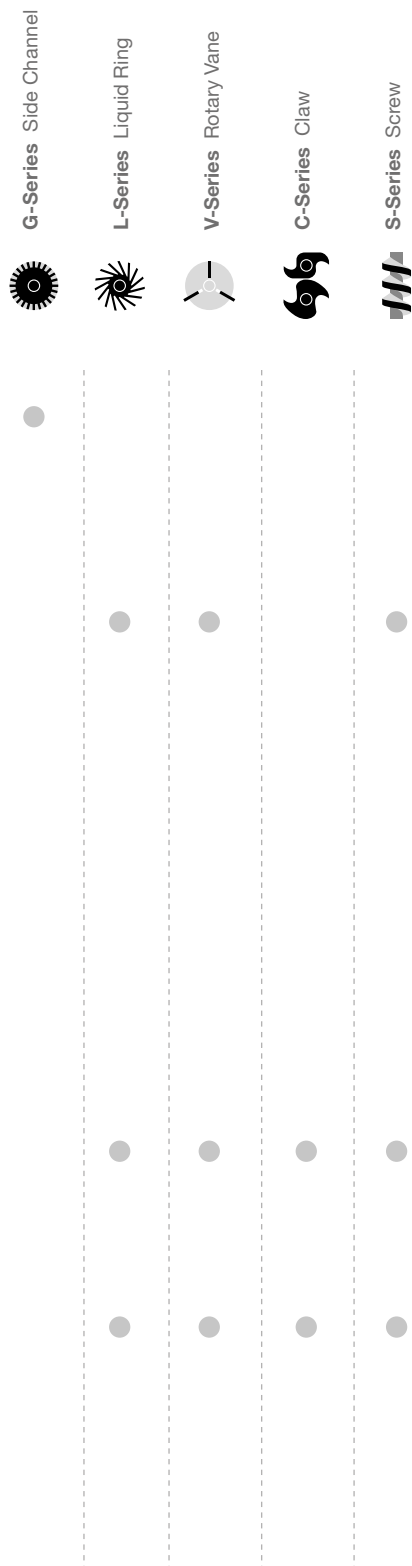
Most of the vapor removed is trapped in a condensate separator upstream of the vacuum pump. The residual vapor in the air is eliminated by the vacuum pump. Depending on how dirty the parts are, a water or solvent based detergent is employed. In some cases ATEX approved vacuum pumps are required for solvent based detergents, which may be explosive in nature.

Flood injection washing under vacuum

In this process, the air is first evacuated from the washing chamber. A pressurized injection fluid wash (16 bar) also cleans hidden hollow passages and undercuts.

De-oiling under vacuum

In this process, the components to be cleaned are placed in a vacuum chamber and heated by radiant heaters. The process temperature and pressure are adjusted so that any contamination on the components is vaporized.





G-BH1



**G-BH2
VELOCIS**



L-BV2

Industrial Parts Cleaning

There are many processes in industrial parts cleaning that require vacuum or compressed air. The decision for a certain technology or possible combination is made by our application specialists in close cooperation with our customers. Many factors such as operating costs, noise emission or maintenance frequency are taken into consideration and we will find the ideal solution for you. Our long tradition in this industry, our committed engineers and the unique choice of technologies at Elmo Rietschle make sure we keep our promise.



G-BH7



G-BH2
VELOCIS with integrated
frequency converter

- Maintenance friendly and wear free
- Very quiet as a result of sound engineering
- UL/CSA approved
- ATEX approved
- Up to 40,000 operating hours
- 50/60 Hz voltage range motors



G-Series
Side Channel



L-BV5



L-BV7

- Monoblock design
- Excellent resistance to corrosion
- No sediments
- High resistance to wear
- Increased water carryover available
- UL/CSA approved
- ATEX approved



L-Series
Liquid Ring



V-VC

- Dry running or oil-lubricated
- Low noise level
- Maintenance friendly
- Long up-times
- Can also be used in pump set combinations



V-Series
Rotary Vane



C-VLR
ZEPHYR

- Long up-times
- Maintenance friendly
- Dry running and contact free operation
- Targeted discharge of cooling air
- Process safe and resilient
- High efficiency



C-Series
Claw



S-VSI
TWISTER

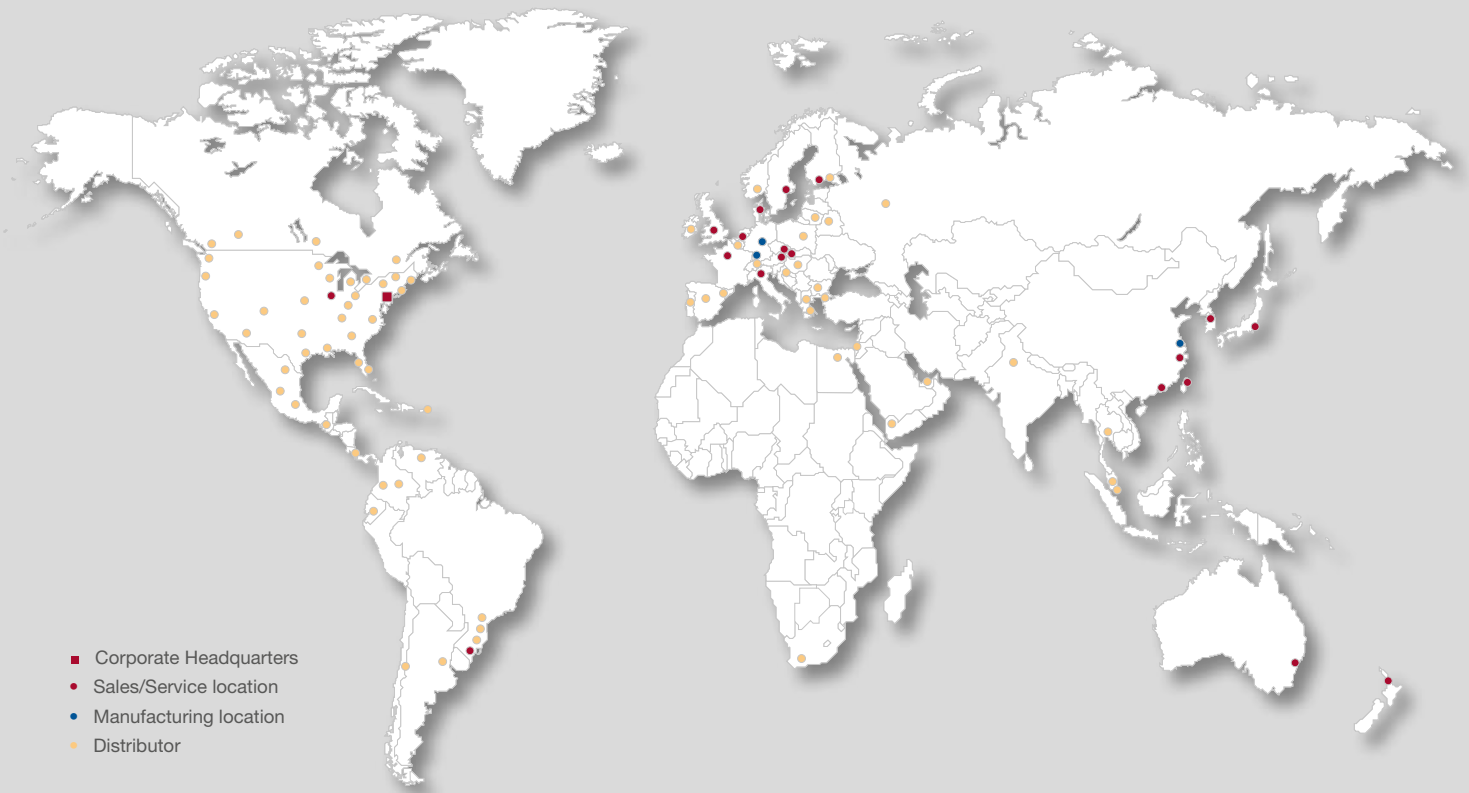
- Dry running and contact free operation
- Service interval of 7.500 hours
- High water vapor tolerance
- Short evacuation time due to high suction capacities
- Low compression temperatures
- Low life cycle costs



S-Series
Screw



We are at home throughout the world – and near you. Our service personnel speak your language. Take our word.



- Corporate Headquarters
- Sales/Service location
- Manufacturing location
- Distributor

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**Gardner
Denver**

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Group and part of Blower Operations