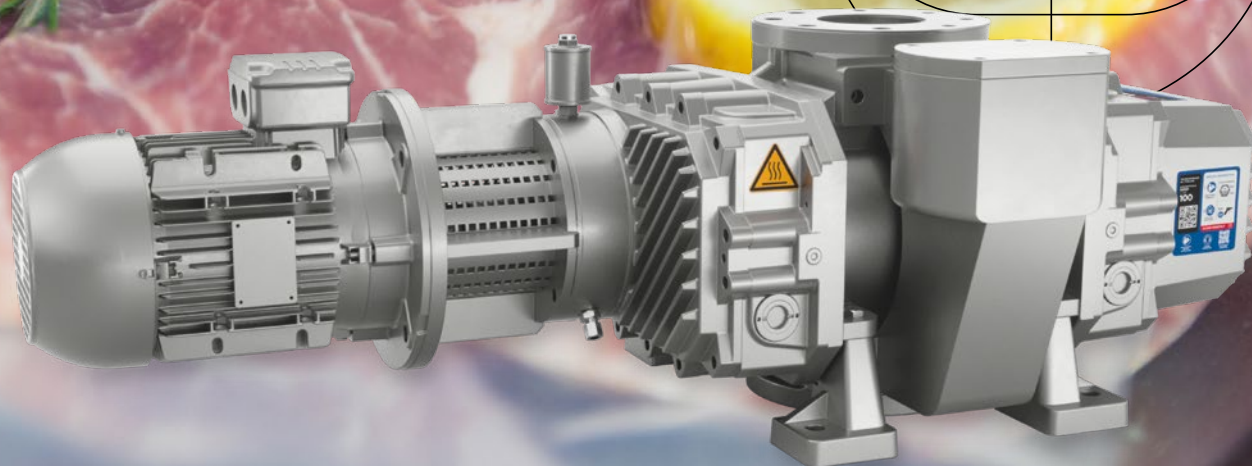


# BOOSTER ROTARY LOBE PUMP

BOOST YOUR VACUUM  
SYSTEM'S PERFORMANCE



Elmo Rietschle®



V A K U U M   E X P E R T E N

ER.BD.BRL.EN.25.01



VACUUM

## BOOSTING PERFORMANCE, SAVING ENERGY

The **Booster Rotary Lobe Pump** increases volume flow and reduces energy consumption in combination with screw, rotary vane, or claw pumps. Experience efficiency like never before with Elmo Rietschle's Booster solutions.

### Key Features:



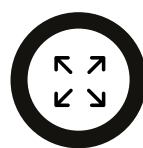
#### Increased Volume Flow

Achieve higher vacuum capacity without the need for multiple machines.



#### Energy Efficiency

Reduce energy consumption by using fewer systems while maintaining superior performance.



#### Versatile Compatibility

Works seamlessly with screw pumps (VPS) and rotary vane pumps (VPR).



#### Compact Design

Save valuable space by integrating a Booster into your system.



#### Ease of Integration

Flange-mounted motors and bypass valve enable smooth operation with backing pumps.



## VERSATILE BOOSTER SOLUTIONS FOR EVERY INDUSTRY

The **Booster Rotary Lobe Pump** is designed to enhance vacuum systems across a wide range of industries and applications:

- + Central Vacuum Systems**  
Increase capacity for facility-wide vacuum systems.
- + Food & Beverage Industry**  
Enhance vacuum applications in packaging, drying, and processing.
- + Environmental Engineering**  
Support wastewater treatment, sludge handling, and tank aeration.
- + Industrial Applications**  
Boost vacuum performance in drying, dust extraction, and process engineering.
- + Metallurgy**  
Provide higher capacity vacuum for refining and material handling.
- + Pharmaceutical Industry**  
Deliver precise vacuum for sensitive manufacturing processes.
- + R&D / Laboratories**  
Increase vacuum reliability and capacity for research and development processes.
- + Woodworking Industry**  
Boost vacuum capabilities for material handling and processing in woodworking applications.
- + Electronics Manufacturing**  
Support cleanroom environments with reliable, high-capacity vacuum systems.
- + Pneumatic Conveying**  
Enhance vacuum efficiency for transporting materials in industrial processes.
- + Vacuum Tankers**  
Increase capacity and efficiency for mobile vacuum systems.





## BOOST YOUR SYSTEM'S CAPACITY WITH A SINGLE SOLUTION

The **Booster Rotary Lobe Pump** is engineered to complement your existing vacuum system, increasing volume flow and reducing the need for multiple machines.

### Key Benefits:

- + Replace Multiple Machines**  
A Booster combination allows you to achieve higher capacity with fewer pumps, saving energy and reducing operational complexity.
- + Flexible Compatibility**  
Ideal for pairing with screw pumps, rotary vane pumps, and claw pumps to enhance system performance.

- + Energy Savings**  
Reduce energy consumption without compromising on vacuum generation.
- + Pressure Adaptability**  
Integrated bypass valve ensures safe operation and efficient startup with backing pumps.



## ONE COMBINATION, MULTIPLE ADVANTAGES

The **Booster Rotary Lobe Pump** is the perfect solution for industries that need enhanced vacuum performance while minimizing energy consumption and operational complexity.

### Key Benefits:

- + Higher Capacity, Fewer Machines**  
Achieve the same output with fewer pumps by integrating a Booster into your system.
- + Energy Savings**  
Reduce energy consumption compared to using multiple standalone machines.
- + Flexible Pairing Options**  
Works seamlessly with other pumps in our portfolio.
- + Compact and Space-Saving**  
Smaller footprint compared to using multiple vacuum machines.
- + Simplified Maintenance**  
Oil-lubricated gearbox and bearings separated from the compression chamber ensure ease of upkeep and longer pump life.
- + Safety Compliance**  
Motors meet DIN EN 60034 standards, with IP 55 protection and insulation class F for safe operation.





# BOOSTER ROTARY LOBE PUMP SPECIFICATIONS

The **Booster Rotary Lobe Pump** is available in multiple models to fit diverse industrial requirements:

TECHNICAL SPECIFICATIONS			
	R-VWP 501	R-VWP 1001	R-VWP 2001
Nominal Suction Capacity	500 m³/h	1000 m³/h	2000 m³/h
Pressure Difference	60 mbar across overflow valve	60 mbar across overflow valve	60 mbar across overflow valve
Noise Level	73 dB(A)	74 dB(A)	74 dB(A)
Weight (Without Motor)	141 kg	225 kg	360 kg
Oil Capacity	1.1 litres	2.2 litres	3.05 litres

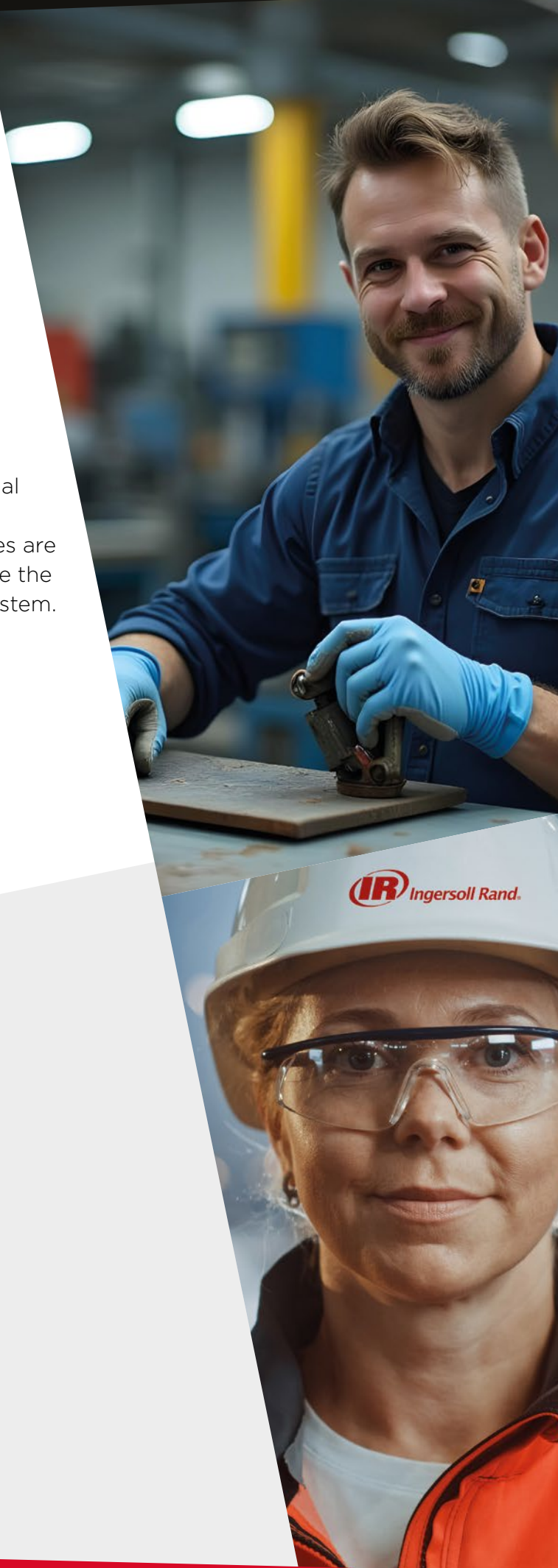


# OPTIMIZE YOUR BOOSTER SYSTEM WITH RELIABLE SUPPORT

At Elmo Rietschle, we don't just deliver exceptional products—we ensure they perform optimally throughout their lifespan. Our aftermarket services are designed to give you peace of mind and maximize the efficiency of your **Booster Rotary Lobe Pump** system.

## Support Highlights:

- + Genuine Parts**  
Access to high-quality spare parts to ensure optimal performance and reliability.
- + Expert Inspections**  
On-site evaluations and maintenance performed by trained professionals.
- + Customer Training**  
Effective training programs to equip your team with the knowledge to operate and maintain Booster systems efficiently.
- + Ongoing Support**  
Dedicated customer service to troubleshoot, optimize, and maximize your system's ROI.

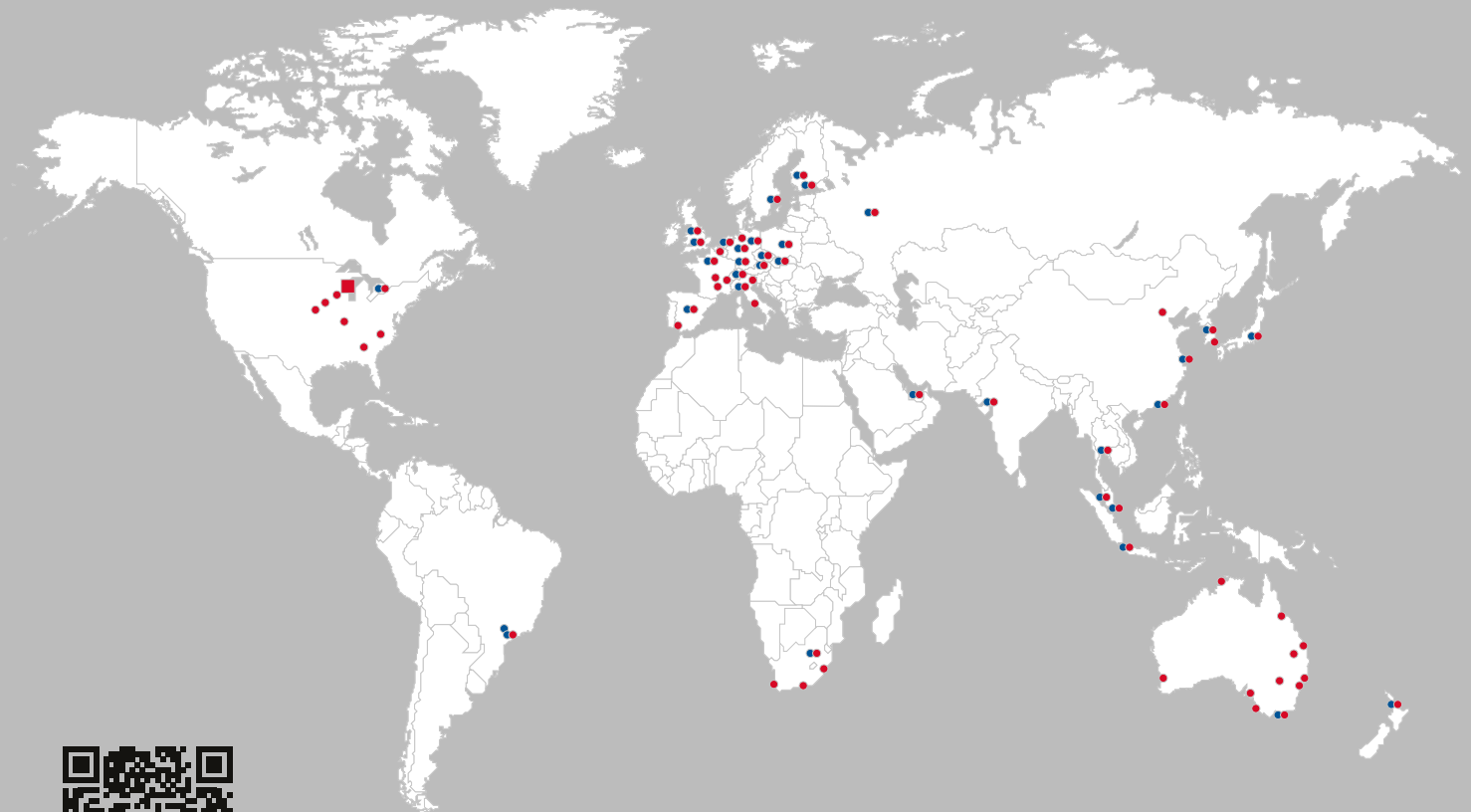


We have locations throughout the world to better supply and support you. Our expert local service personnel speak your language.



**Elmo Rietschle®**

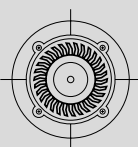
- CORPORATE HEADQUARTERS
- SALES/SERVICE LOCATIONS
- MANUFACTURING LOCATIONS



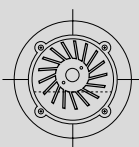
ELMO RIETSCHLE  
LOW PRESSURE & VACUUM SOLUTIONS  
[www.elmorietschle.com](http://www.elmorietschle.com)



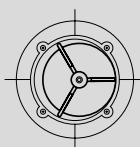
**F-SERIES**  
Radial



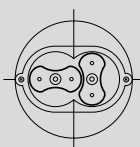
**G-SERIES**  
Side Channel



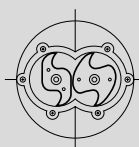
**L-SERIES**  
Liquid Ring



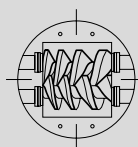
**V-SERIES**  
Rotary Vane



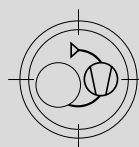
**R-SERIES**  
Rotary Lobe



**C-SERIES**  
Claw



**S-SERIES**  
Screw



**X-SERIES**  
Systems