

NEXT GENERATION

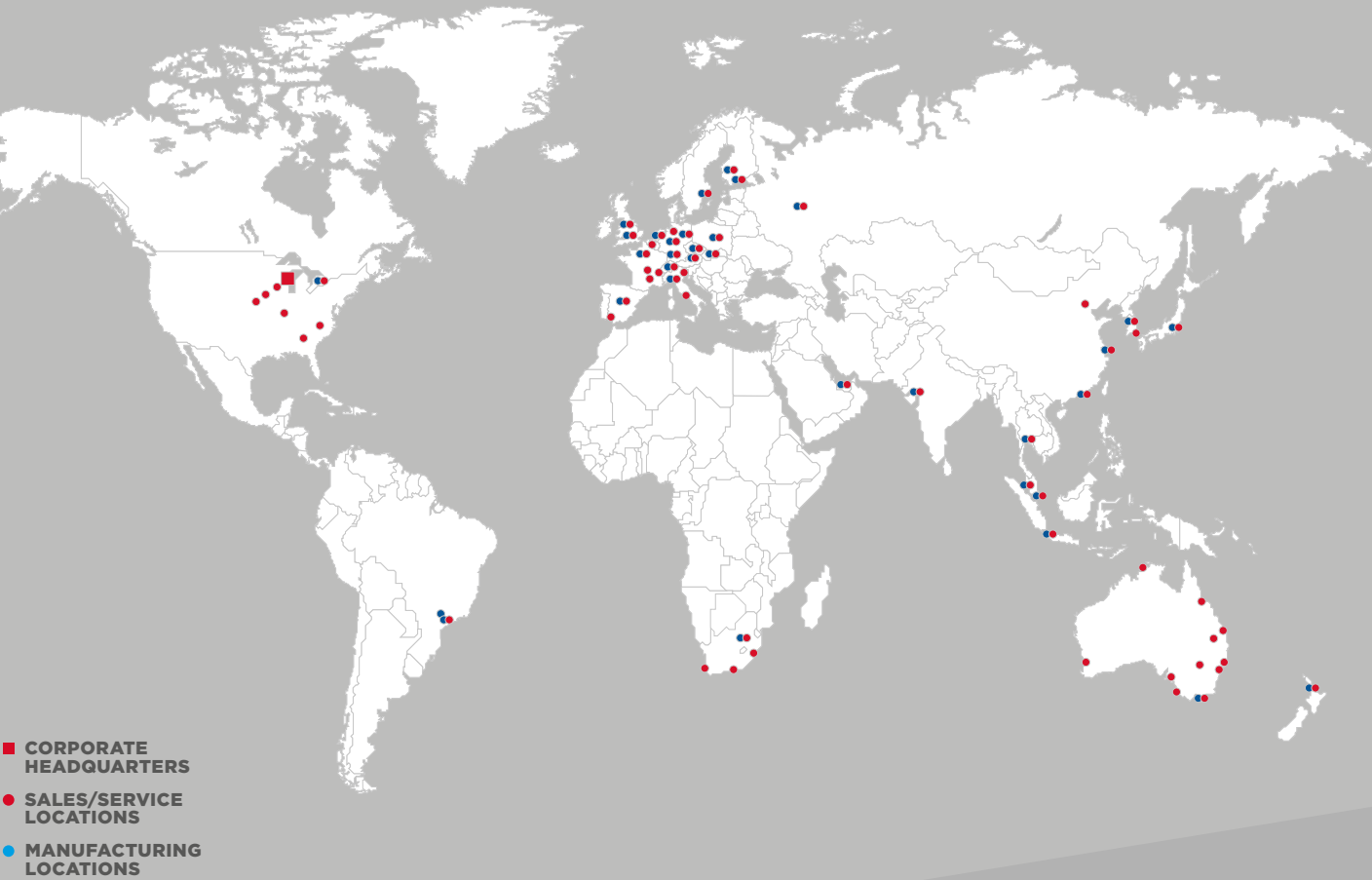
Dry Bottling Systems from Elmo Rietschle

Elmo Rietschle's X-VSI Dry Bottling System, provides significant advantages over traditional Liquid Ring pumps used in bottling.

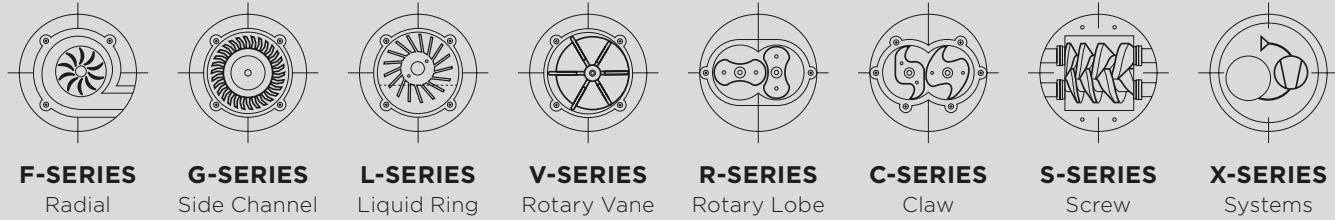
- + ENHANCED EFFICIENCY**
Offering higher energy efficiency, resulting in reduced power consumption and operational costs
- + IMPROVED PRODUCT QUALITY**
Dry vacuum solutions eliminate the risk of liquid carry over and contamination, ensuring consistent taste and quality
- + INCREASED SUSTAINABILITY**
Reducing water & eliminating wastewater discharge, dry vacuum technology aligns with eco-friendly practices and sustainability goals
- + COMPACT MODULAR DESIGN**
The X-VSI Dry Bottling System's compact modular design saves valuable floor space and offers flexibility during installation and maintenance
- + RELIABLE OPERATION**
Offering ensured reliability, consistent vacuum performance, reduced downtime and enhanced productivity



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



ELMO RIETSCHLE
LOW PRESSURE & VACUUM SOLUTIONS
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VACUUM & PRESSURE SOLUTIONS

FOR SUSTAINABLE & ENERGY EFFICIENT BEVERAGE SOLUTIONS.



CHALLENGES FACED BY THE BEVERAGE INDUSTRY

The beverage industry operates under rigorous demands, such as maintaining the highest standards of cleanliness, ensuring consistent product quality, and improving production efficiency. Beverage manufacturers and OEMs face challenges like:

- + EFFICIENCY**
Resistant to corrosion, dramatically reducing maintenance costs
- + HYGIENE AND CLEANLINESS**
Improving your milking environment and animal welfare
- + PRODUCT QUALITY**
Constant vacuum day after day
- + SUSTAINABILITY**
Embracing eco-friendly practices to reduce waste and energy consumption
- + FLEXIBILITY**
Adapting to different beverage types, packaging formats, and production volumes



VAKUUM EXPERTEN

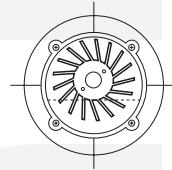
OUR BEVERAGE INDUSTRY SOLUTIONS

Elmo Rietschle's vacuum and low-pressure solutions play a vital role in addressing the unique challenges faced by beverage manufacturers and OEMs. Let's explore the various applications of their advanced technology:



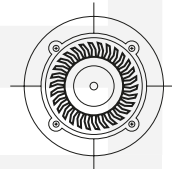
Liquid Ring Pumps.

Well-suited for applications involving the handling of liquids, these pumps are used in areas such as bottle filling, carbonation, and container cleaning. They provide consistent performance even in wet and humid conditions.



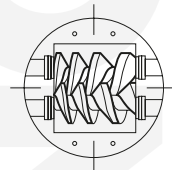
Side Channel Blowers.

These blowers are versatile and find application in pneumatic conveying, gas circulation, and aeration processes. They offer efficient, oil-free operation and are known for their compact design, making them suitable for limited space environments.



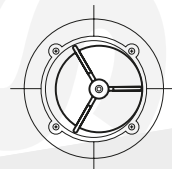
Screw Pumps.

Ideal for handling delicate liquids and solids, screw pumps are used in processes such as syrup transfer, filtration, and yeast propagation. They offer gentle product handling and precise control, ensuring product integrity.



Rotary Vane Pumps.

Widely used for bottling applications, rotary vane pumps provide efficient vacuum generation and reliable performance. They contribute to the smooth operation of bottle filling and capping processes.



REDUCING WATER CONSUMPTION AND ENERGY COSTS IN THE BEVERAGE INDUSTRY

In an industry where water consumption and energy costs are big challenges, Elmo Rietschle's vacuum and low-pressure solutions offer substantial benefits to beverage manufacturers. By eliminating water usage, reducing energy consumption, and promoting sustainable practices, Elmo Rietschle helps manufacturers address environmental concerns, optimize operational efficiency, and achieve cost savings.



Water Conservation

Elmo Rietschle's solutions eliminate the need for water usage in the bottling process. Unlike traditional Liquid Ring pumps that rely on water, the X-VSI Dry Bottling System offers a sustainable alternative.



Sustainability

The reduction in water consumption achieved through Elmo Rietschle's dry vacuum technology aligns with the industry's sustainability objectives. By eliminating the need for water usage and reducing wastewater discharge, beverage manufacturers can significantly reduce their environmental impact.



Watch Case Study

Scan to watch our Dry Screw Bottling Success Story in Brazil



Energy Efficiency

Designed with energy efficiency in mind. The X-VSI Dry Bottling System, in particular, provides higher energy efficiency compared to Liquid Ring pumps.



Cost Savings

Lowering water consumption and energy costs directly translates to cost savings for beverage manufacturers.



Reduce CO2

Using dry screw technology instead of liquid ring pumps in bottle filling machine will reduce consumption of CO2.



Existing Vacuum Pump System with Liquid Ring Pump

FILLER 1	
WATER FLOW	1.8 m ³ /h
POWER	18.6 kW
FOREIGN GAS	0.6 m ³ /h

FILLER 2	
WATER FLOW	2.45 m ³ /h
POWER	37.3 kW
FOREIGN GAS	0.8 m ³ /h

NEW Vacuum Pump System with Dry Screw

FILLER 1	
WATER FLOW	ZERO
POWER	9.3 kW
FOREIGN GAS	0.5 m ³ /h

FILLER 2	
WATER FLOW	ZERO
POWER	9.3 kW
FOREIGN GAS	0.3 m ³ /h