



X-Series Systems



X-LVS 1000



Dry running solar vacuum system with very low power requirements

The Elmo Rietschle X-LVS 1000 solar vacuum system uses dry running screw technology with booster pump to avoid oil in the workplace. This puts an end to long down times for maintenance and service work needed with oil lubricated vacuum pumps. The Elmo Rietschle two stage vacuum system adapts easily to the lamination process and offers a remarkable decrease in power consumption when compared to traditional solutions. Start up time is short, vacuum is available within seconds.

- **Comprehensive logistics**
- **On-time delivery**
- **Quick response times**
- **Designed and manufactured in Germany**

Laminating solar modules

Laminating is a cyclic process. A sandwich is typically made of the following layers

- cover film
- polymer film (usually ethylene vinyl acetate)
- solar cells
- polymer film (usually ethylene vinyl acetate)
- glass panel

These layers are taken into the laminator's chamber where the air is evacuated using vacuum. In a second step, still under vacuum, the polymer films are baked using heat.

Improve your processes using the Elmo Rietschle vacuum system

Optimise your lamination process by using the best vacuum system available and be rewarded with

- short evacuation time
- maximum differential pressure for pressing the layers
- complete degasification of the EVA layers
- no air and gas pockets between the layers
- optimal sealing

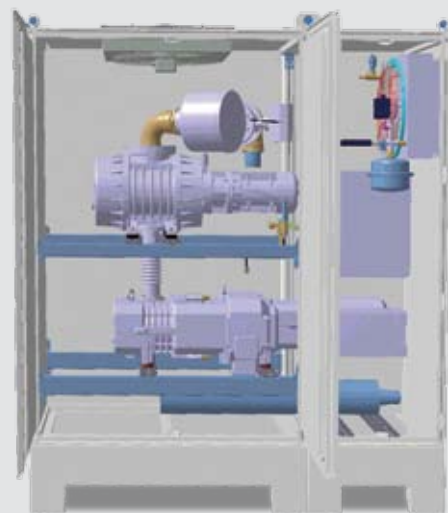


Stylish design for the new Elmo Rietschle X-LVS solar vacuum system that fits into any high-tech environment

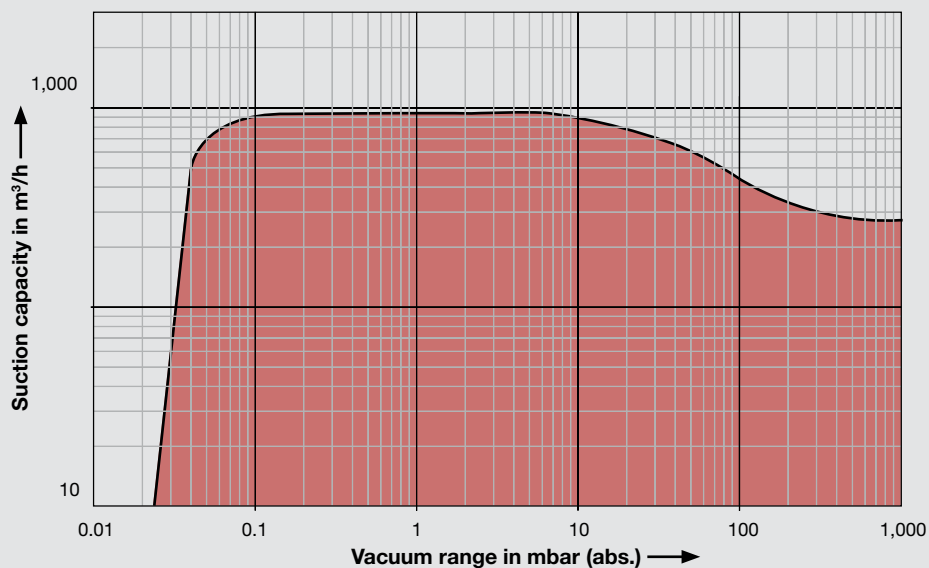


Advantages at a glance

- High system availability
- Dry running
- Power requirement of screw vacuum pumps:
10.5 kW (screw 7.5 kW, booster 3.0 kW)
- Short evacuation time
- Low process temperature, hence no plate-out on rotor
- Easy to service and maintain
- Long service spans
- Low noise emission
- Moderate heat dissipation into the environment



Performance



**Gardner
Denver**

Elmo Rietschle is a brand of the
Gardner Denver Blower Division

Gardner Denver Schopfheim GmbH

Roggenbachstraße 58
79650 Schopfheim · Germany
Tel. +49 7622 392-0
Fax +49 7622 392-300

www.gd-elmorietschle.com · er.de@gardnerdenver.com

Gardner Denver Deutschland GmbH

Industriestraße 26
97616 Bad Neustadt · Germany
Tel. +49 9771 6888-0
Fax +49 9771 6888-4000