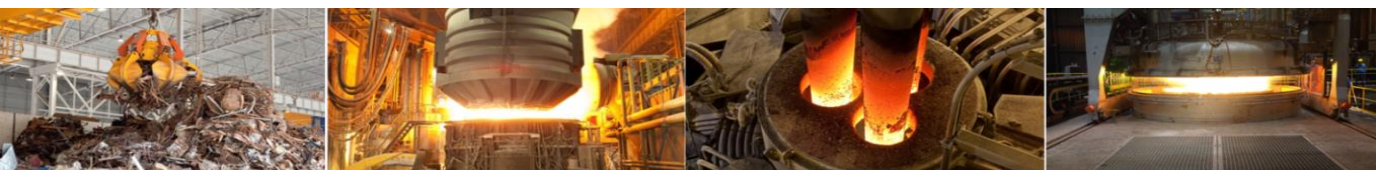


XL-Pro VACUUM MECHANICAL VACUUM PUMP

Achieving your process goals!



Steelmaking Special Products

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XL-Pro VACUUM MECHANICAL VACUUM PUMP

Achieving your process goals!

After more than a decade of vacuum degassing with conventional mechanical pumps, SMS group decided it was time for a better solution. The new XL-Pro VACUUM multi-skid pump has been specifically designed for the steel making process, having in mind the real conditions the operators face every day. Reliable, fast and fit-to-the-purpose, it masters the process to meet your metallurgical targets for steel purity and castability, tuned to your specific production sequences.

Application

The XL-Pro VACUUM skid consists of three pump stages, each implementing state-of-the-art technology.

The XL-Pro VACUUM pump has several clear advantages:

- With its superior suction capacity, it's the ideal replacement for antiquated steam ejectors, reducing environmental impacts and cutting operating costs
- For a modest investment, it upgrades a simple VD to a VOD
- Its advanced vacuum technology is suitable for RH plants, which demand higher suction capacity at low pressure

YOUR ADVANTAGES

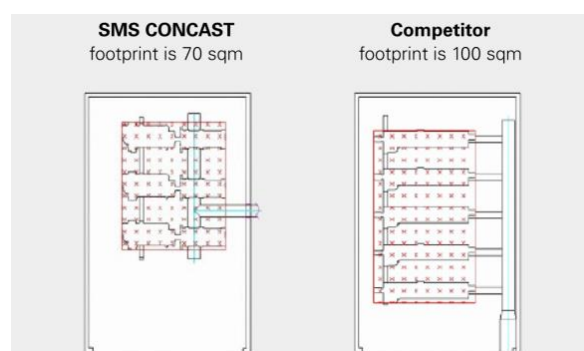
- **Total process repeatability** – consistent degassing thanks to a dynamic vacuum module mastering any process condition
- **High reliability** thanks to robust components integrated into an effective control
- **Reduced maintenance and downtime** thanks to the superior design and optimized cooling technology
- **Minimal footprint** as fewer skids are required

TECHNICAL DATA

Suction capacity VD operations	Approx. 41,000 m ³ /h at 0.67 mbar (20° C)
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Suction capacity VOD operations	Up to 9,000 m ³ /h at 130 mbar (20° C)
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Pump down-time savings	At least 35%
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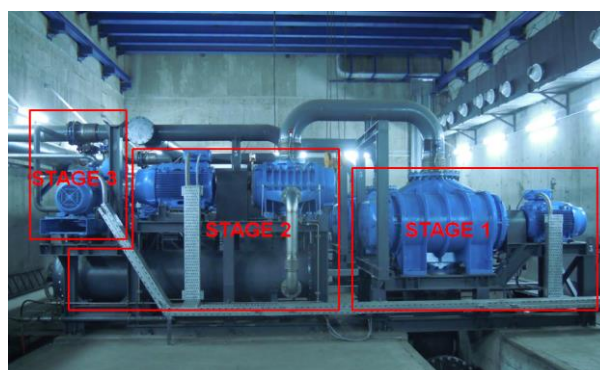
XL-Pro VACUUM (left), fewer skids but higher performance, at 30% less space than competitors

Ease of Use and Maintenance

- The system maintains its functionality even if one stage pump falls out of service
- The system is equipped with efficient self-diagnostic monitoring
- General pump maintenance is reduced because the innovative design calls for fewer components

For best results

In combination with the XL-Pro VACUUM, we recommend our VD, VOD, RH stations, as well as the automation system by SMS Group. Please contact us for more information.



XL-Pro VACUUM installed on site. Stage 1 and 2 with Roots pumps, Stage 3 with screw pump