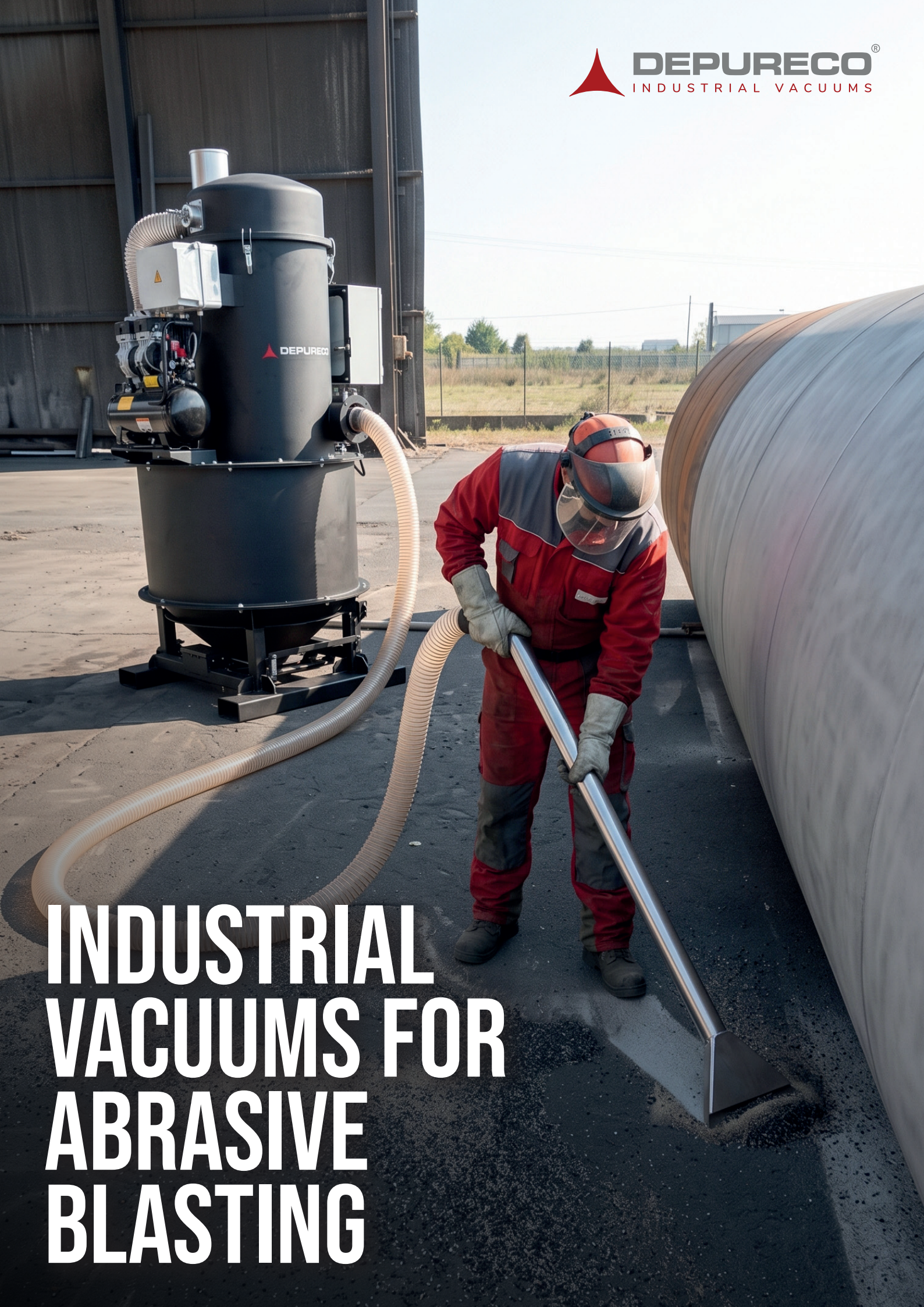
DEPURECO®
INDUSTRIAL VACUUMS



INDUSTRIAL VACUUMS FOR ABRASIVE BLASTING

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INDUSTRIAL VACUUMS

WHY USE AN INDUSTRIAL VACUUM?

Abrasive blasting generates large quantities of spent abrasive, fine dust and residues removed from the treated surface. Left on floors, gratings and inside cabinets, this material wears surrounding equipment, slows down production and exposes operators to airborne particulate.

Depureco industrial vacuums are designed for heavy, abrasive materials such as steel grit, corundum and glass beads. Cyclonic pre-separators protect the filters from wear, while side channel blowers provide the high vacuum needed to lift dense material. Standard models cover most blasting applications without the cost and lead time of a fixed installation. Where several suction points or a permanent network are required, Depureco also designs centralized vacuum systems.



BENEFITS



OPERATIONAL EFFICIENCY

Fast removal of spent abrasive from floors, gratings and cabinets, reducing cleaning downtime.



SAFETY AND RISK MITIGATION

Class M or H filtration for hazardous dusts; ATEX/ACD versions for combustible dusts.



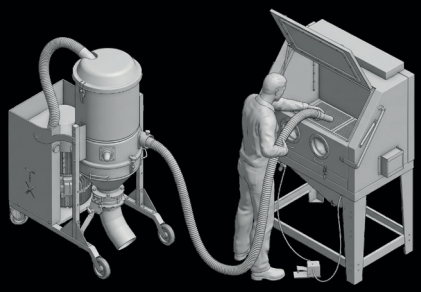
ABRASIVE HANDLING AND RECOVERY

Where applicable, collected abrasive can be separated from fines and reused in the blasting process.

BLASTING CABINETS & TOUCH-UP WORK

Compact, mobile vacuums for cleaning blasting cabinets, small booths and spot repair areas. They remove spent abrasive and fine dust in tight spaces and can be moved quickly between workstations.

- Cabinets and small booths
- Easy to move between workstations
- Minimal footprint

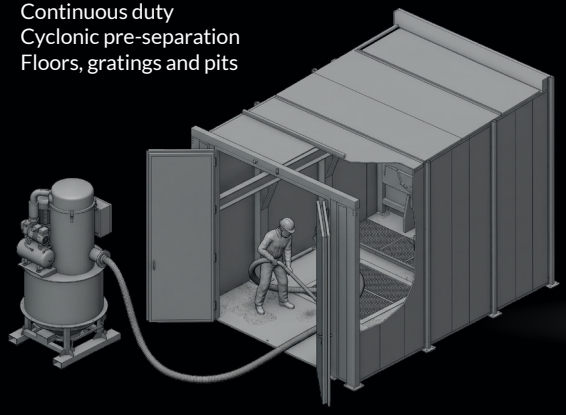




BLASTING ROOMS & DAILY CLEANING

Mid-range vacuums, typically equipped with three-phase side channel blowers for continuous duty. They handle the daily removal of heavy abrasives from blasting room floors, gratings and recovery pits, and combine cyclonic pre-separation with high-efficiency filtration to limit filter wear and downtime.

- Continuous duty
- Cyclonic pre-separation
- Floors, gratings and pits

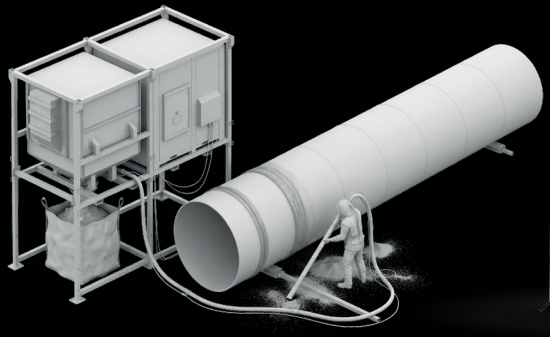




LARGE BLASTING HALLS & HEAVY STRUCTURES

Higher vacuum and airflow allow dense abrasive to be collected over long hose runs, while large containers and fast discharge systems reduce stops for emptying

- Maximum vacuum and airflow
- High-volume collection, fast discharge
- Long-distance suction





INTEGRATED SYSTEMS AND COMPONENTS

HEAVY DUTY ACCESSORIES

Steel wands, floor and grating nozzles, and hoses for abrasive materials.



CYCLONIC PRE-SEPARATORS

Separate the coarse fraction before the filter, reducing wear and maintenance.



TANGENTIAL INLET WITH ROCK-BOX EFFECT

Autogenous protective system for the safe intake of highly abrasive materials.



DISCHARGE SYSTEMS

Customized solutions for each handling need. Bins, big bags continuous bagging for safe, fast emptying.



ELECTRIC OR COMPRESSED AIR

Electric models across the whole range; pneumatic models, also ATEX-certified, where compressed air is already available.



CENTRALIZED SYSTEMS

Engineered vacuum networks for multiple operators and fixed suction points.



Depureco Industrial Vacuums

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