



Engineering
GREAT
Solutions

Filter Catalogue

www.imi-precision.com



Engineering GREAT solutions through people, products, innovation and service

IMI Precision Engineering is a world-leader in fluid and motion control. Building close, collaborative relationships with our customers, we gain a deep understanding of their engineering needs and then mobilise our resources and expertise to deliver distinctive products and solutions.

Wherever precision, speed and engineering reliability are essential, our global footprint, problem-solving capability and portfolio of high performance products enables us to deliver GREAT solutions which help customers tackle the world's most demanding engineering challenges.

> **Reliability**

We deliver and support our high quality products through our global service network.

> **High performance products**

Calling on a world-class portfolio of fluid and motion control products including IMI Norgren, IMI Buschjost, IMI FAS, IMI Herion and IMI Maxseal. We can supply these singly, or combined in powerful customised solutions to improve performance and productivity.

> **Partnership & Problem Solving**

We get closer to our customers to understand their exact challenges.

Engineering
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Applications



FILTER CLEANING SYSTEM



CONTROLLERS

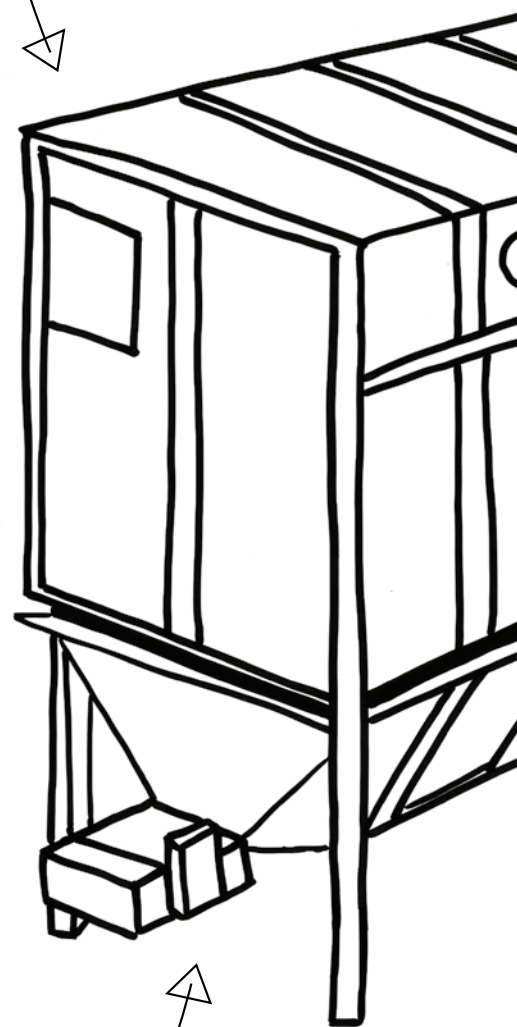
SOLENOID PILOT OPERATED



PNEUMATIC CONTROLLER



REMOTE PILOT OPERATED



REMOTE PILOT
OPERATED



DIFFERENTIAL PRESSURE
MEASURING TRANSDUCER



SOLENOID PILOT
OPERATED



FILTER CLEANING SYSTEM

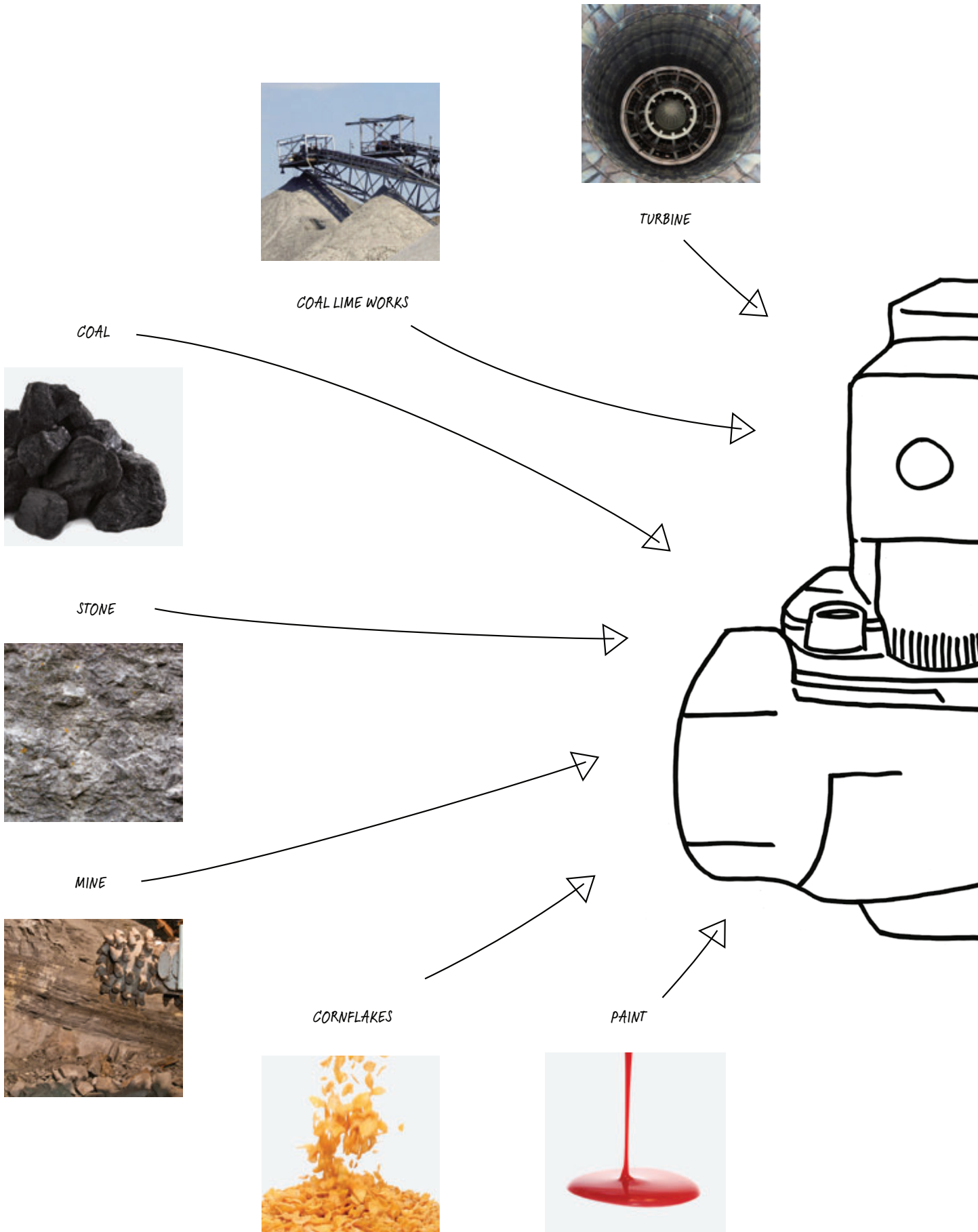
FILTER CLEANING SYSTEM

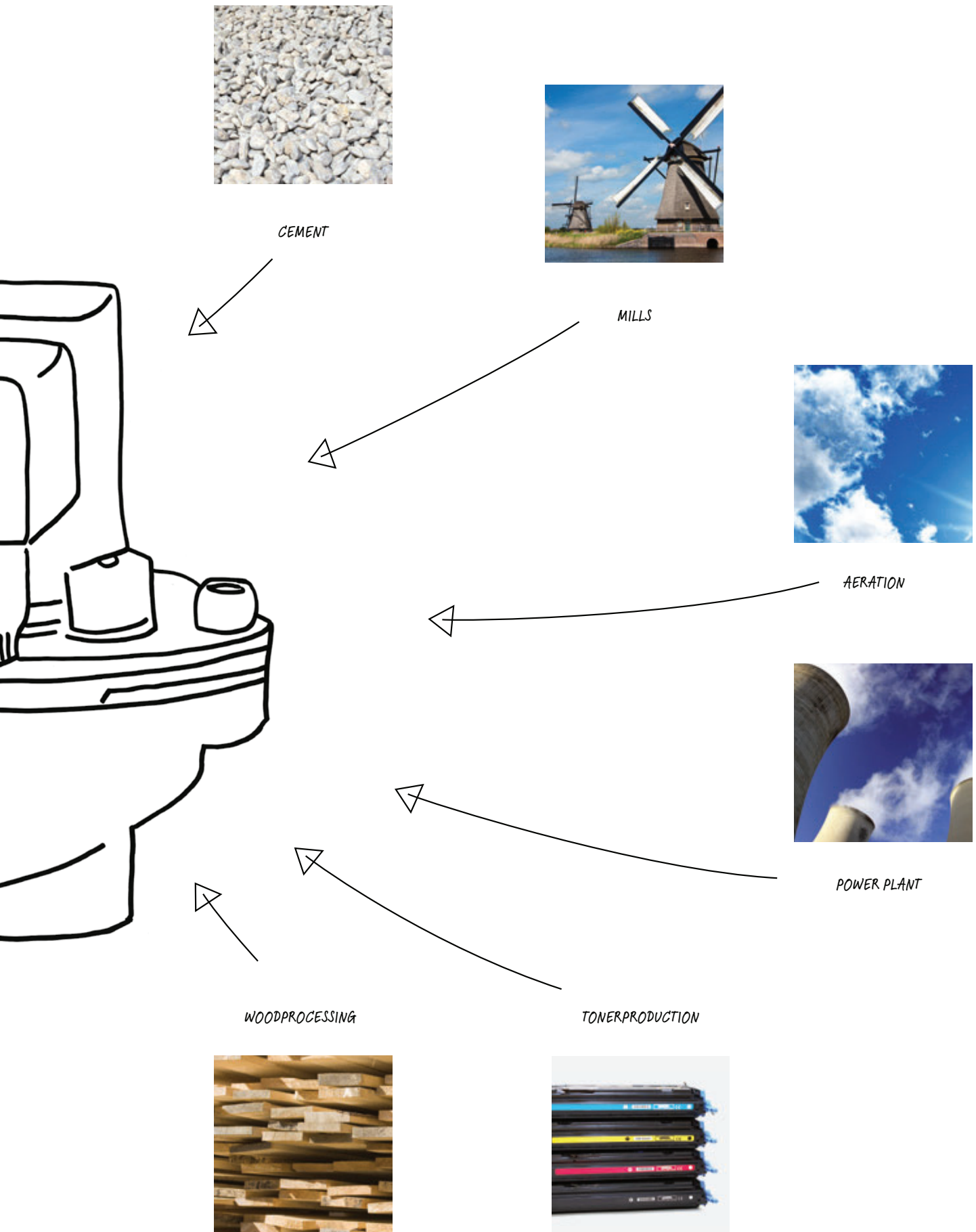


DIFFERENTIAL
PRESSURE CONTROLLER



Applications





Discover innovative dust collector valves from IMI Buschjost!

Comprehensive expertise, innovative ideas and experience from over 30 years of business activity go into the development and production of our IMI Buschjost dust collector valves.

Our valves and systems are used as part of product filtration, for example, in milling operations or in the pharmaceutical industry. In pneumatic delivery systems, they control processes through which milled material or medicinal products are filtered out of the air stream.

In dust-extraction facilities, filter solutions ensure that contaminated air does not get into atmosphere and pollute the environment. This takes place, for example, by means of the air blasting technique. The filter elements to be cleaned are inflated by a brief but intense pressure surge with the result that dirt and dust particles are released and fall to the floor, from where they are carried away.

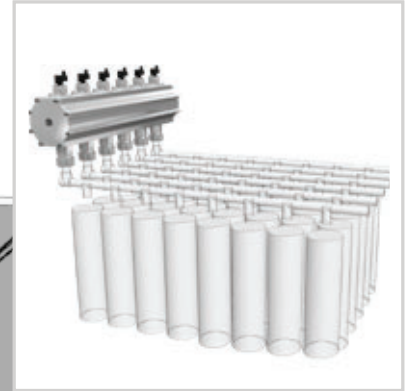
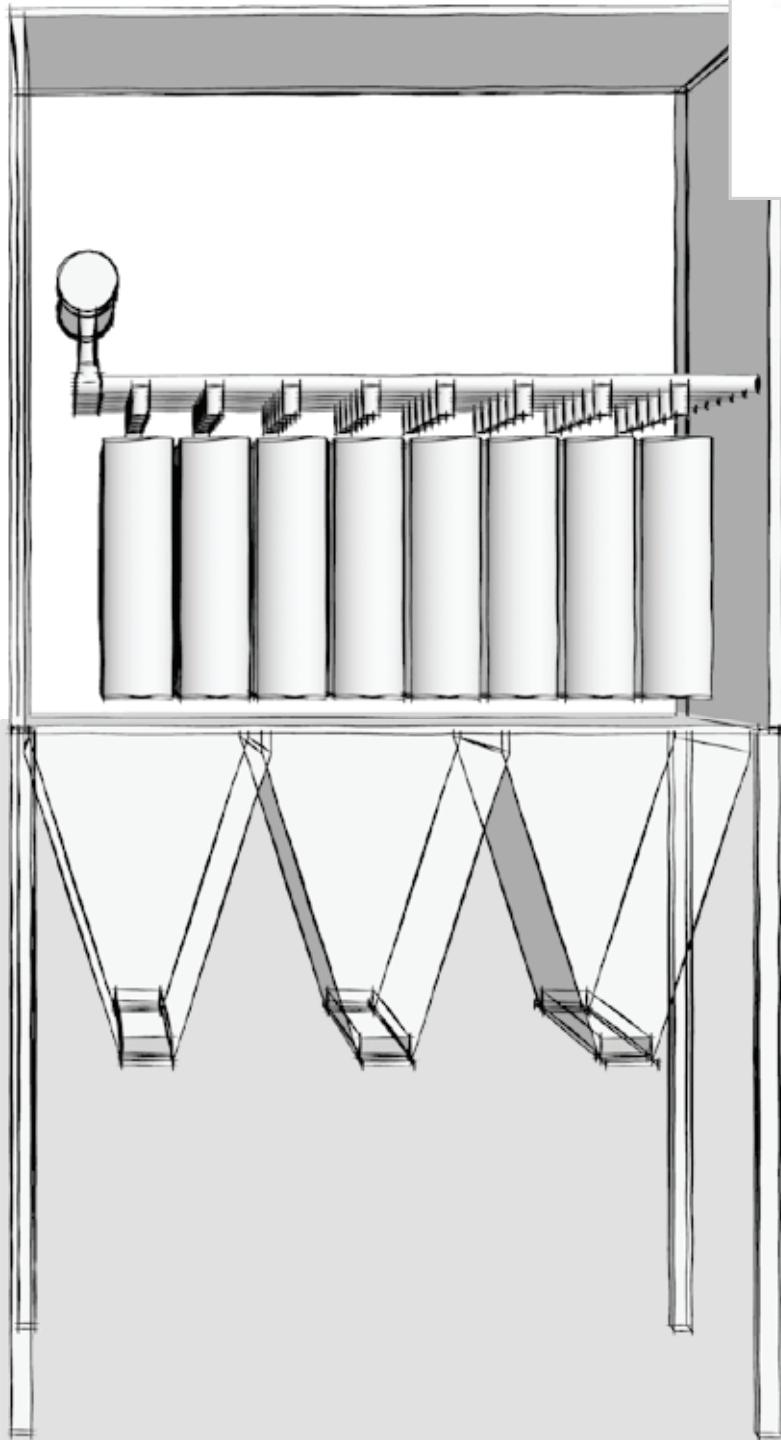
To realise an optimum cleaning outcome, the pressure impulse in the filter element must achieve the target value as quickly as possible – the valves therefore have to open fully within a few milliseconds. The closing operation requires similarly rapid reaction times. Only if the air impulse achieves the zero value as quickly as possible, it will be possible to avoid any unnecessary air consumption.

IMI Buschjost dust collector valves are fitted with high-quality TPE diaphragms to achieve the extremely fast opening and closing times. These work without any compression springs, and are reliable, robust and durable. The modified version is even suitable for use in aggressive environments.

No matter whether it is product filtration or dust filtration: We offer you high-quality valves and systems that are individually tailored to your filter system. As the user, you immediately benefit in a number of ways: compared with conventional dust collector valves, IMI Buschjost products impress with their significantly extended service life and maintenance intervals. They also work at higher operating pressures; this in turn has a positive impact on the cleaning outcome. Thanks to the rapid opening and closing times, you save compressed air – and ultimately operating costs.



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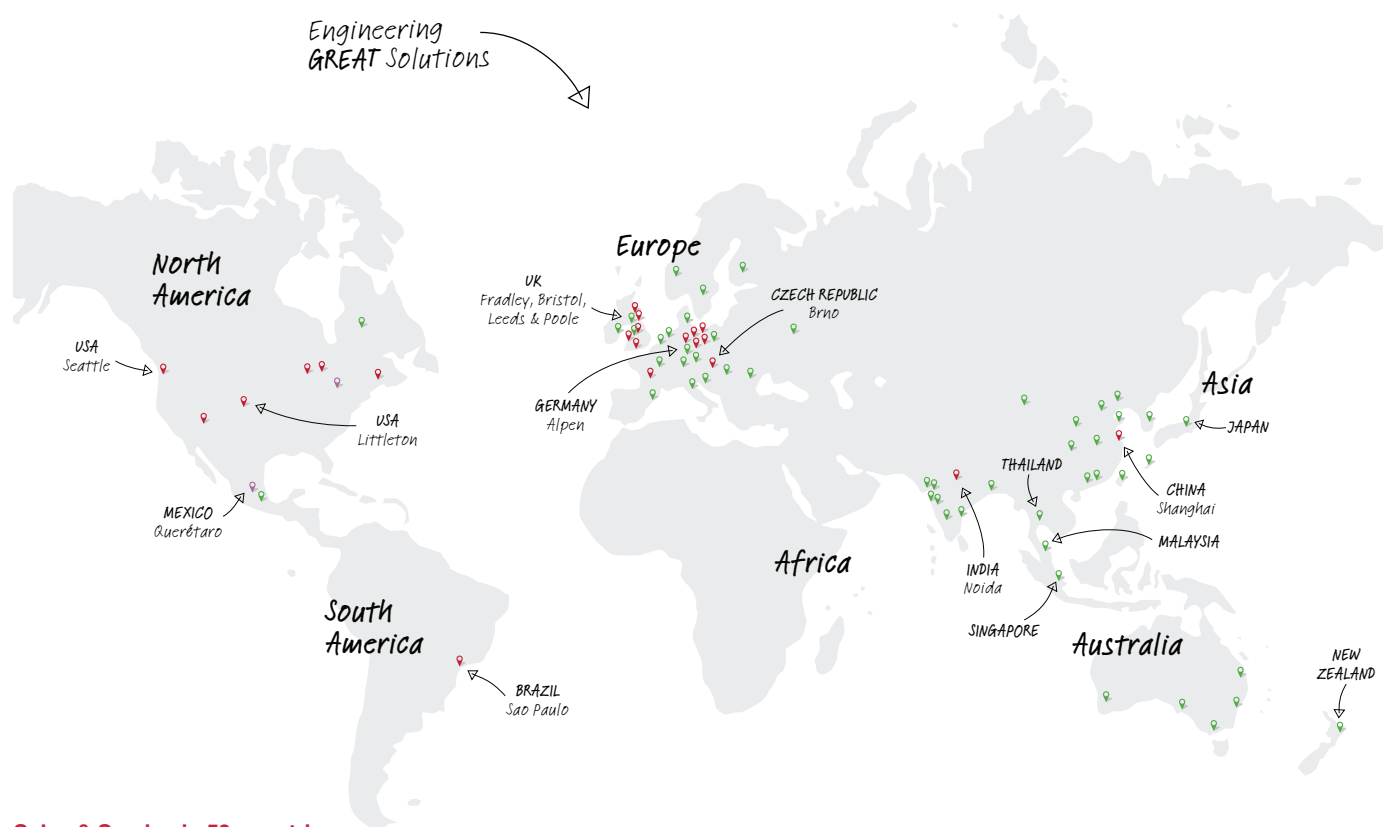
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