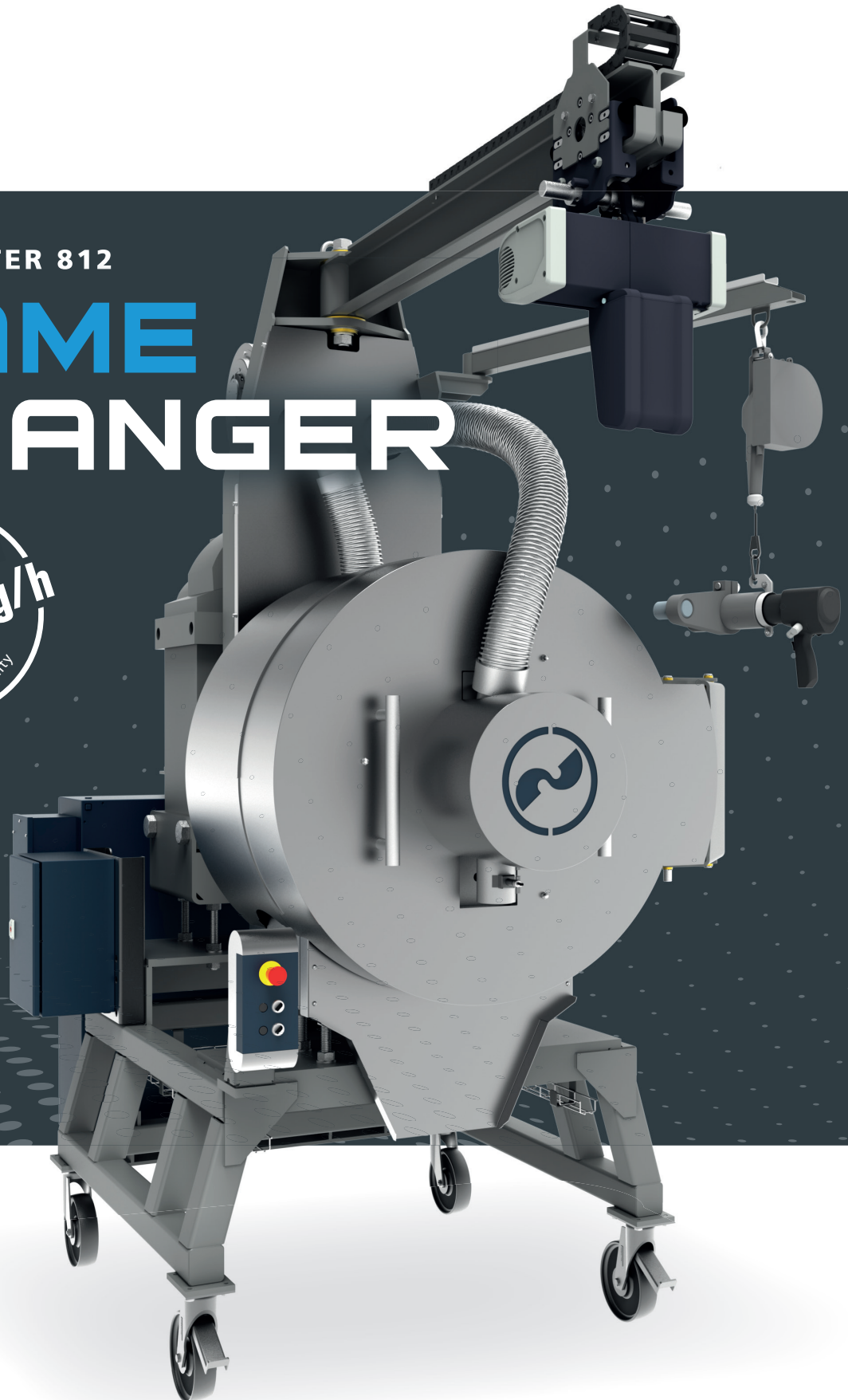
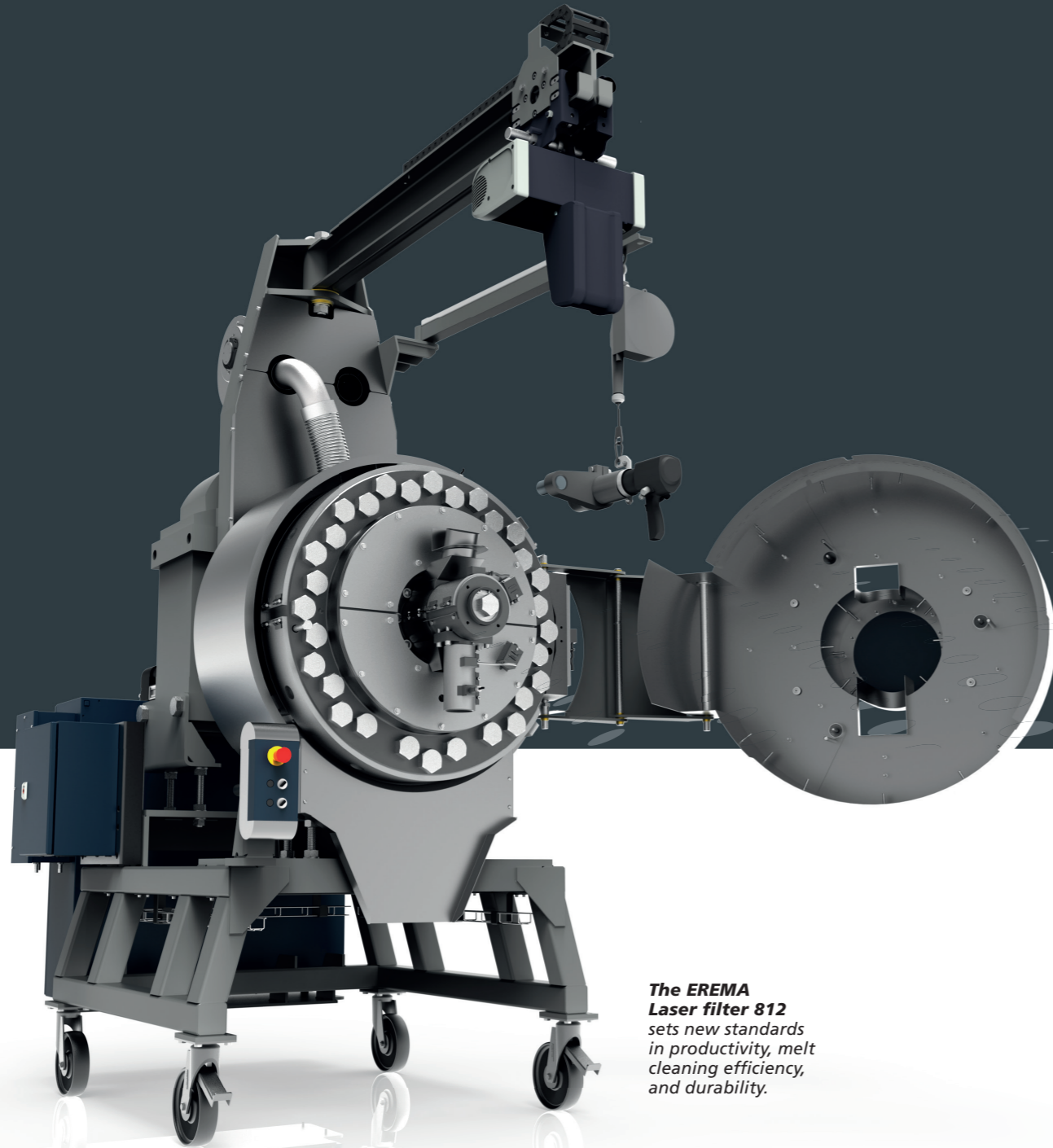


LASERFILTER 812

THE **GAME**
CHANGER

INNOVATION
UP TO
5,000 kg/h
THROUGHPUT
Top melt quality





The EREMA Laser filter 812 sets new standards in productivity, melt cleaning efficiency, and durability.

BIGGER
BETTER
BEYOND

- ✓ 100 % MORE SCREEN SURFACE
- ✓ THROUGHPUT UP TO 5,000 KG/H
- ✓ DLC TECHNOLOGY
- ✓ ENDUROCHANGE TECHNOLOGY

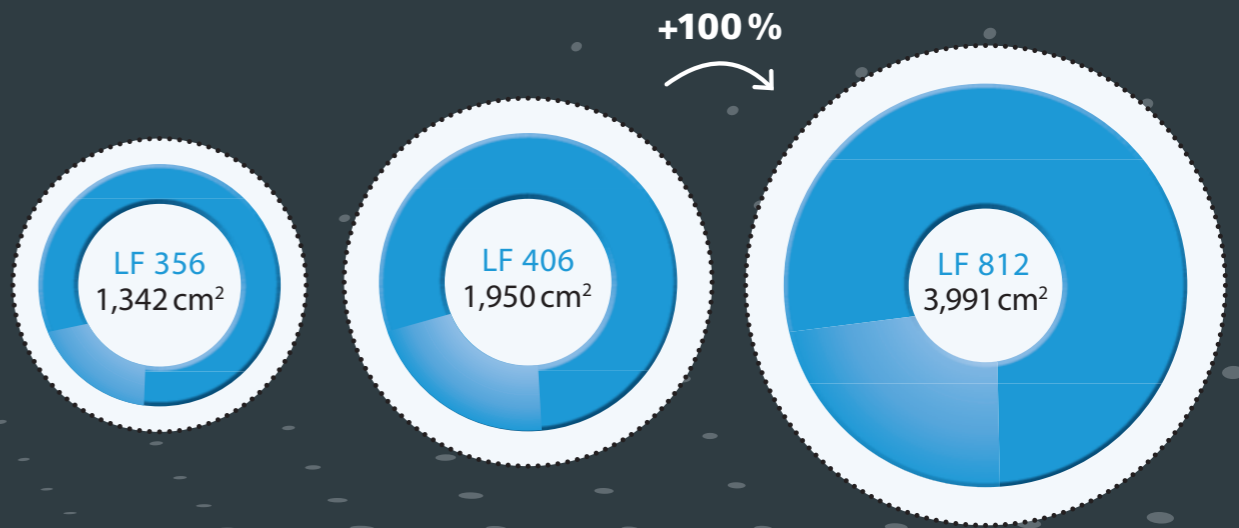
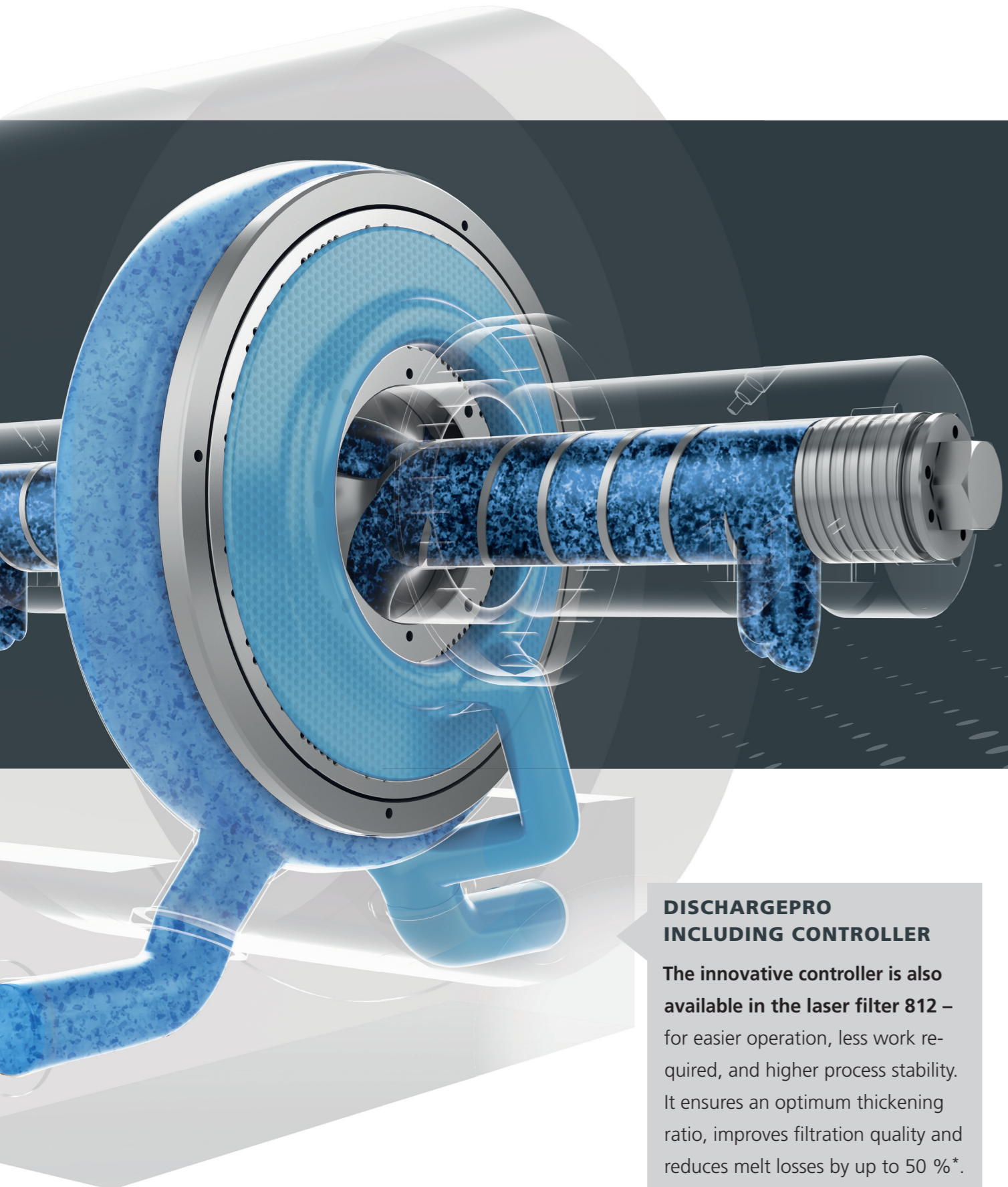
THE NEW DIMENSION IN MELT FILTRATION.

The new LF 812 high-performance filter achieves a throughput capacity of up to 5,000 kg/h, even in the single version. This catapults it to the top of the EREMA laser filter series and makes it a new industry benchmark. Another key innovation, in addition to doubling the surface area of the screen compared to the LF 406, is the new Directional Long Cut scraper technology. This uses extended cutting edges for reduced wear and moves impurities towards

the discharge – for maximum filtering performance.

Another highlight is the new Enduro-Change technology, which, for the first time, combines the proven Lock & Change Unit (LCU) in the TWIN version with the ENDURANCE safety filter in one compact unit. This enables the filter to be changed without interrupting production, and significantly enhances reliability.

BIGGER



DISCHARGEPRO INCLUDING CONTROLLER

The innovative controller is also available in the laser filter 812 – for easier operation, less work required, and higher process stability. It ensures an optimum thickening ratio, improves filtration quality and reduces melt losses by up to 50 %*.

* Compared to the previous EREMA laser filter controller, depending on the application, feed material, and the degree and type of contamination, etc.

MORE SCREEN AREA, MORE THROUGHPUT.

Double the screen area for maximum efficiency: The LF 812 SINGLE handles throughputs up to 5,000 kg/h – a level of performance that previously was only achievable with multiple filter units. This compact solution not only saves valuable space and energy, but also considerably

simplifies the layout of the system. The larger screen surface area enables a much higher throughput or – while maintaining the same output – can be operated with lower pressure, reduced thermal stress, and used with finer screens for the highest possible quality of melt.

BETTER

BEYOND

FASTER, MORE EFFECTIVE, LONGER-LASTING.

Longer cutting edges on scrapers and screens reduce wear, the particles are moved towards the discharge as they are cut.

MAXIMUM SYSTEM UPTIME – EXTENDED FILTERING RELIABILITY.

Both laser filters and the pre-filters are active.

While the left-hand pre-filter and laser filter switch off thanks to the LCU unit, the right-hand pre-filter and laser filter continue operation.

- Unfiltered melt with impurities flows into the two ENDURANCE pre-filters
- Pre-filtered melt exits the two ENDURANCE pre-filters and flows into the two laser filters (main filters)
- Filtered, clean melt exits the laser filters

DIRECTIONAL LONG CUT SCRAPER TECHNOLOGY (DLC)

The new Directional Long Cut scraper technology (DLC) in the EREMA laser filter 812 ensures even faster and more thorough removal of impurities, lifting filtration efficiency to a new level.

Thanks to extended cutting edges on the scraper and filter screen, wear is significantly reduced, providing a noticeably longer service life and lower maintenance costs. At the same time, the innovative

geometry ensures that impurities are moved towards the discharge as they are cut.

The result

- Maximum cleaning efficiency
- The highest filtering capacity
- Longer service life for scraper and screen

ENDUROCHANGE TEAMS UP THE ENDURANCE PRE-FILTER WITH THE LOCK & CHANGE UNIT

Change filters without stopping production – now with an integrated safety filter

The new EnduroChange technology combines the Endurance pre-filter and the proven Lock & Change Unit (LCU) in one compact unit. The result is an optimised system for uninterrupted production and maximum filtration reliability. While the filter is being changed on one laser filter, filtration simply continues on the other laser filter – without any production downtime.

More efficiency thanks to the additional Endurance filter

Each of the two laser filters is now protected by an Endurance pre-filter. The Endurance pre-filter takes care of coarse impurities and protects the laser filter against unwashed materials and difficult-to-clean input streams. This increases efficiency, extends the service life of the laser filters and ensures even greater process stability.

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