



HFC1300-S2

Horizontal Fine Coal Centrifuge

Longstanding market leader for fine coal separation and dewatering gets an upgrade.

When it comes to fine coal separation and dewatering, the HFC1300 is a known and trusted performer. Meet the Series 2 edition - the impressive HFC1300-S2. Engineered improvements in several key areas deliver improved efficiency and reliability with the same exceptional dewatering efficiency.

Launched into the Australian coal industry in 2005, the original HFC1300 series proved itself a capable performer - delivering far greater throughput than smaller fine coal centrifuges while maintaining similar dewatering efficiencies. Now the Series 2 enhancements improve your productivity even further - thanks to extended basket life, better clutch performance, and an advanced lubrication system and labyrinth attachment.

If you're familiar with the original HFC1300, or you're a new user, you will be impressed by its capacity to increase productivity and lower costs through high throughput, reduced downtime, hassle-free maintenance, and ongoing durability.

Key benefits

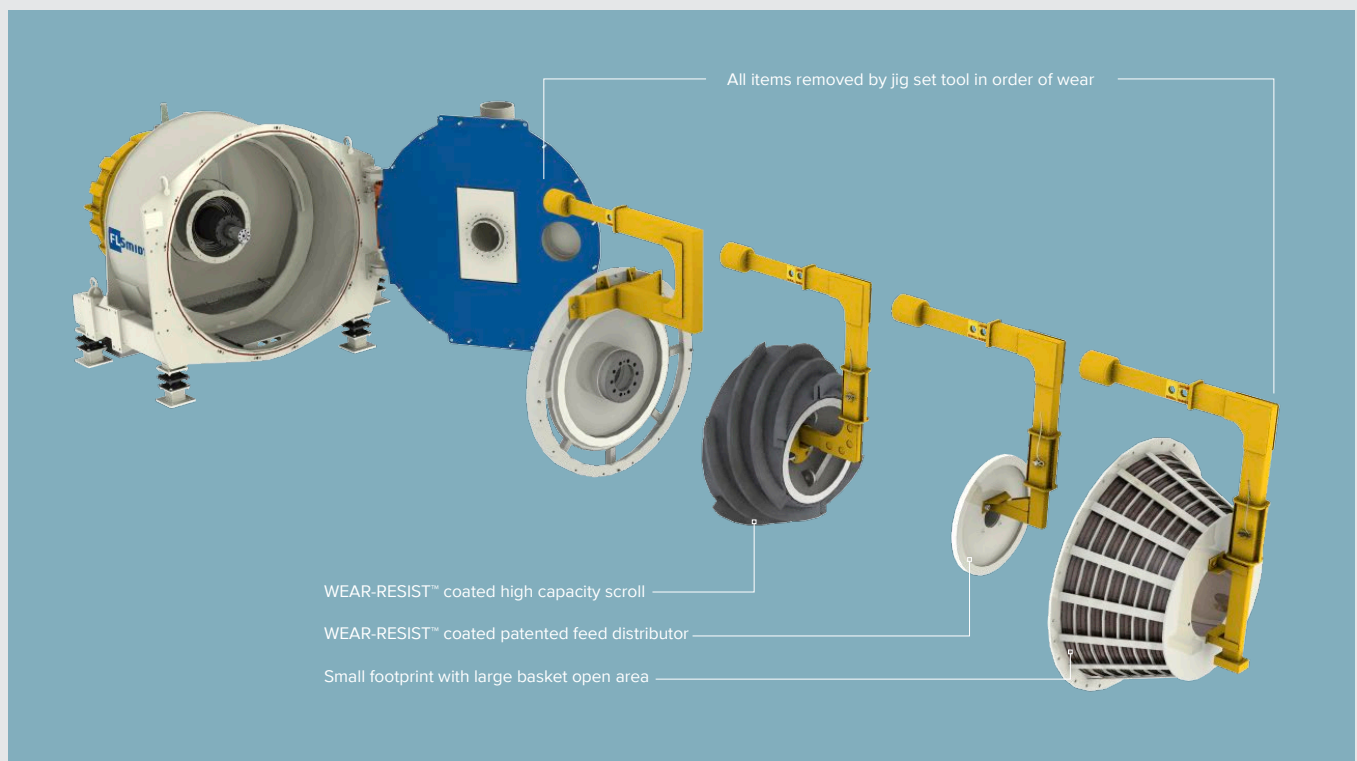
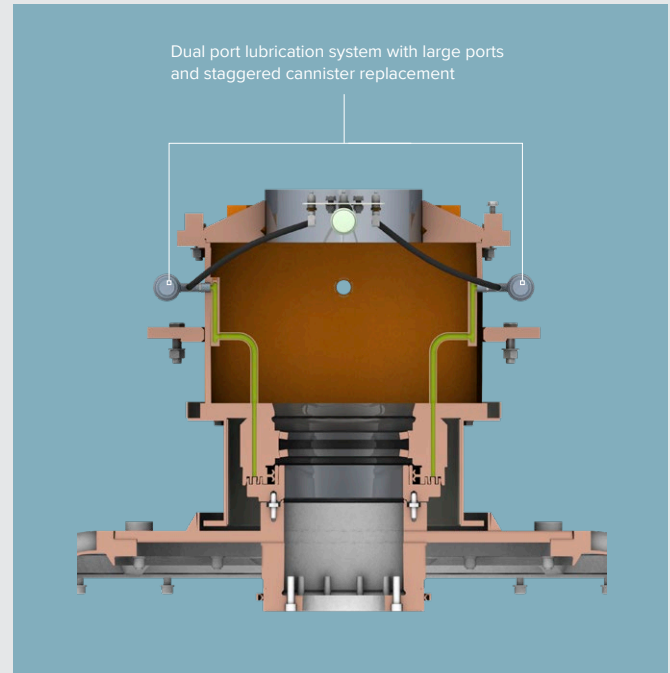
- Extended basket life
- Robust protection against wear
- Seamless process control
- Advanced grease lubrication system
- Stable clutch behaviour
- Continuous monitoring of torque
- Small footprint
- High capacity

Design enhancements deliver increased durability and reliability

The advanced technologies integrated into the HFC1300-S2 enhance the performance of all critical aspects, including lubrication, clutch, torque, distributor, basket and scroll. Specifically, the advanced lubrication improves reliability and reduces grease blockage while the redesigned clutch allows for better control and is more suitable for the operational torque range.

Torque monitoring sensors give you real-time feedback, with an option to regulate feed to the unit and eliminate clutch trips. A new patented distributor improves distribution of feed into the centrifuge basket and reduces localised basket wear at the feed end.

On top of this, compared to Series 1, the HFC1300-S2 gives you increased solids movement across the basket, thanks to a combination of the patented feed distributor with the new scroll and basket design. This results in a significant increase in basket surface area usage and reduction of localised wear. You also benefit from reduced internal sliding wear and reduced effects of instantaneous loads (surging).



Cutting-edge design for exceptional performance and wear life



Key features

- Dual port lubrication system with large ports and staggered cannister replacement
- Torque monitoring sensors
- Large, robust clutch
- Optimised rotational speed
- Small footprint with large basket open area
- WEAR-RESIST™ coated high capacity scroll
- WEAR-RESIST™ coated patented feed distributor

Specifications

Nominal capacity	100 tph*
Main drive motor	110 kW
Basket diameter	1,300 mm
Basket aperture	0.375 mm
Basket speed	Optimised for basket life and water removal
Scroll	High rate scroll
Overall dimensions	3,010 mm (L) x 2,256 mm (W) x 2,065 mm (H)
Lubrication motor	0.75 kW
Distributor	FLSmidth patented distributor
Typical feed size range	-2 + 0.100 mm
Machine weight	6,300 kg

* Dependent on particle size range

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