



## Product datasheet

# VM™ Series Service Exchange Coarse-coal centrifuges

Owners of VM series coarse-coal centrifuges can take advantage of the FLS Service Exchange solution that supports rapid delivery and installation.

### Maximising plant production

FLS coarse-coal centrifuge range is unequalled when it comes to performance, reliability, durability, value and efficiency. Our VM Series machines consistently deliver superior dewatering results.

The simple, robust design of the VM1400, VM1500 and VM1650 ensures many years of service - some machines are still in operation after 15 years!

### Maintenance-friendly centrifuge

Our standardised design of the VM series provides the ideal platform for our Service Exchange. Features include:

- Lubrication – easy access, low oil flow safety cut-out
- Fully-replaceable feed chute
- Safe and convenient system for basket change
- Self-compensating vibration amplitude
- Vibration isolation – low vibration to structure
- Hinged door with inspection point (left or right handed)

# FLS

# Cost-effective solution to improve plant availability

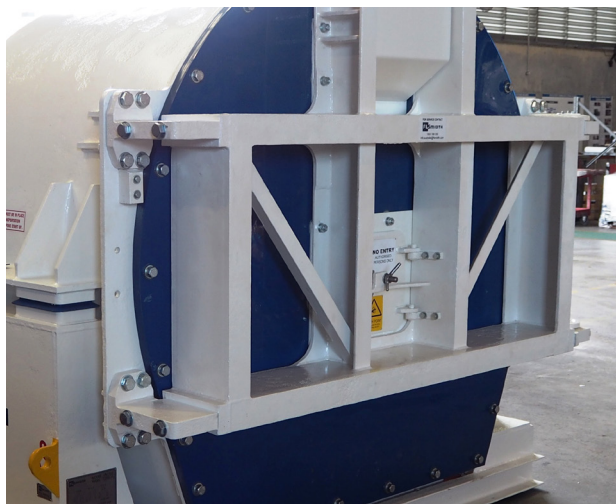
## Timely delivery and easy installation

Service Exchange ends the need for coal processing plants to hold significant capital in spare parts for the VM series coarse-coal centrifuge machines in stock, with Service Exchange available as follows:

Service Exchange options	VM1400	VM1500	VM1650
Drive shaft exchange	Y	Y	Y
Secondary mass assembly exchange	Y	Y	Y
Full unit exchange	Y	Y	-

Extensive In the case of planned maintenance, the replacement unit or part is shipped ahead of time to facilitate a very quick exchange. In the event of breakdown or failure, the unit or part is shipped immediately, usually reaching the site within days of the order being received. The core unit that is being replaced is then returned to FLS for reconditioning and upgrade.

Installation of the exchange part is quick and easy and can be completed by plant personnel. Plant managers can expect the same high performance from the exchange part that they received from the original. Extensive factory testing prior to dispatch guarantees quality and performance.



Hard-wearing polyurethane door (VM1500)



Light-weight rotomolded drive guard (VM1400/VM1500)

## Included

- Reconditioned base frame and water housing
  - Blast and paint
  - WEAR-RESIST™ lining
- Reconditioned vibration motors
- Lubrication system assembly
- New basket to site separation
- Secondary mass assembly
- Tile feed chute and hinged door
  - VM1400 (steel)
  - VM1500 (polyurethane/steel frame)
- Drive guard (light weight)
- Driven pulley and belts
- IOM manual and installation layout to site specification
- Manufacturer's warranty

## Options

- Drive motor
- Drive pulley

Model	VM1400	VM1500	VM1650
Nominal capacity (tph)	300	350	410
Basket diameter (mm)	1,400	1,500	1,650
Basket angle	15	15	15
Basket aperture (mm)	0.4/0.5	0.4/0.5	0.4/0.5
Drive motor (kW)	45	75	75
Lubrication motor (kW)	0.75	.075	.075
Vibration motors (qty x kW)	2 x 3.0	2 x 5.5	2 x 5.5
Machine weight (kg)	8,100	12,000	12,500

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