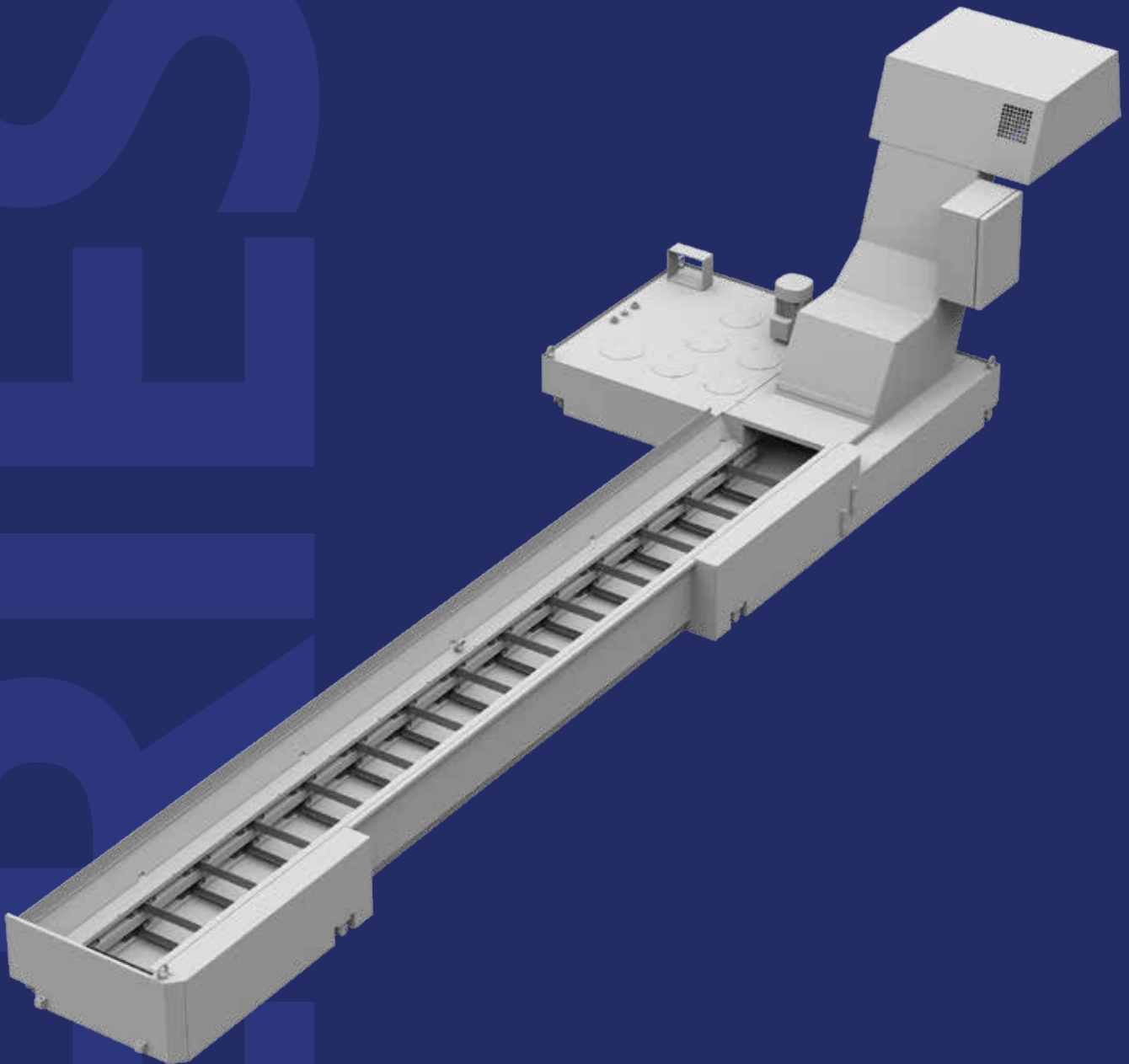


FREDERICK CROWTHER AND SON LTD

**CROMAR**

EST 1955



### Advantages

- ✓ Self cleaning filter (rotary drum) no basket/filter
- ✓ Improved filtration
- ✓ Less contamination in coolant tank, reduces opportunity of swarf damaging pumps
- ✓ Suitable for fine swarf, and chip swarf only -
- ✓ Aluminium, brass, and cast iron
- ...plus many more

## Series II Swarf Conveyor

Free standing unit, that is a totally integrated solution for both swarf management and coolant filtration.

[www.cromar.co.uk](http://www.cromar.co.uk)

### How it works

Coolant and swarf enter the conveyor via deflector chutes as on standard conveyors. The heavy chips settle to the bottom of the conveyor, where they can be moved up the incline of the conveyor and deposited into a suitable collecting receptacle.

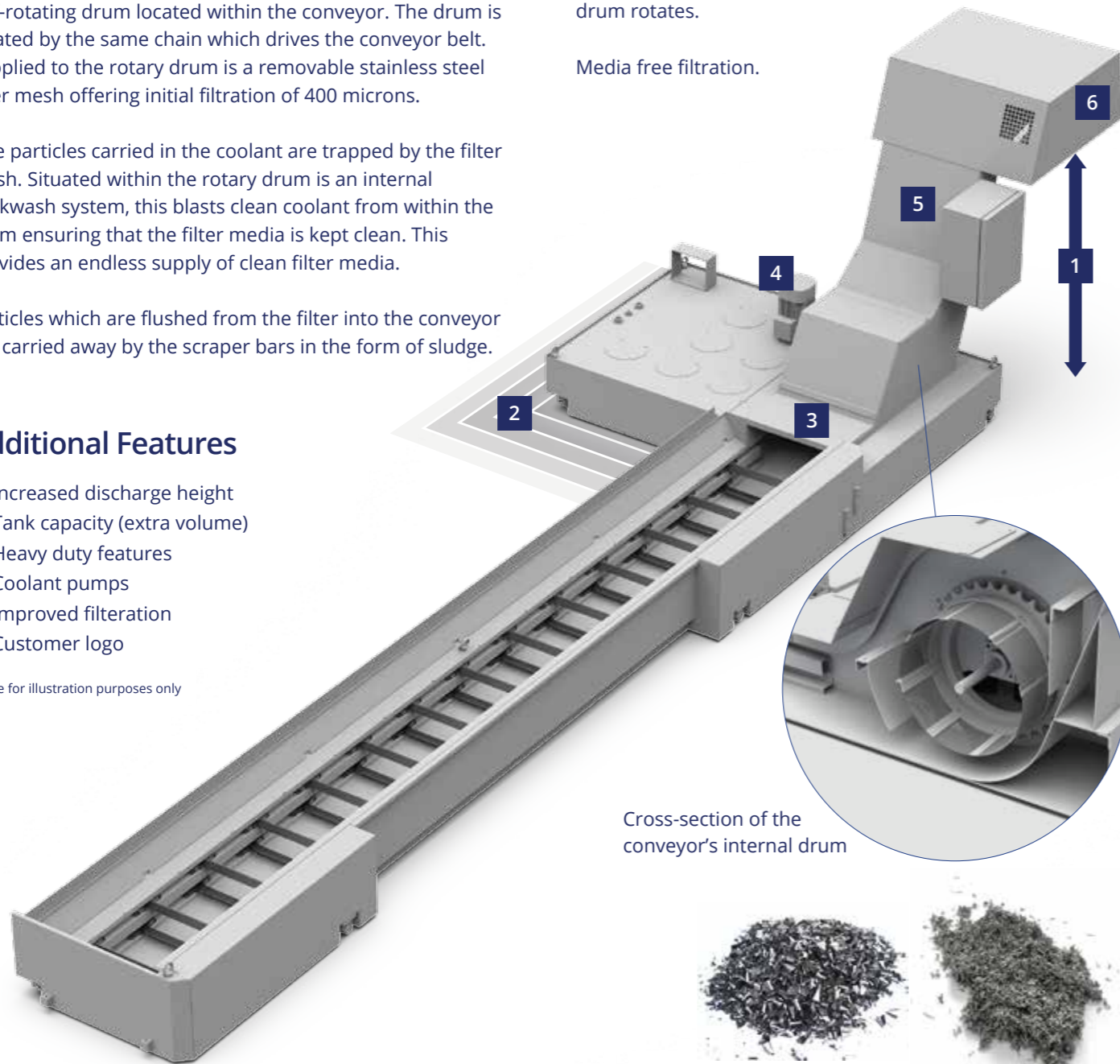
The contaminated coolant is filtered through a continuously self-rotating drum located within the conveyor. The drum is rotated by the same chain which drives the conveyor belt. Supplied to the rotary drum is a removable stainless steel filter mesh offering initial filtration of 400 microns.

Fine particles carried in the coolant are trapped by the filter mesh. Situated within the rotary drum is an internal backwash system, this blasts clean coolant from within the drum ensuring that the filter media is kept clean. This provides an endless supply of clean filter media.

Particles which are flushed from the filter into the conveyor are carried away by the scraper bars in the form of sludge.

All coolant will pass through the self-cleaning rotary drum equipped with a removable stainless steel filter media offering initial filtration of 400 microns. To ensure that the filter media maintains a consistent filtration level and coolant throughput there is an internal backwash system that continually blasts coolant from within the drum as the drum rotates.

Media free filtration.



### Suitable Swarf Types

Suitable for handling the below swarf types:

Small Chipped Swarf

Fine Swarf

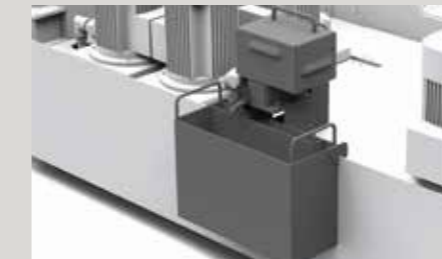
### Features and Benefits

- ✓ Self cleaning filter (rotary drum) no basket/filter
- ✓ Improved filtration
- ✓ Less contamination in coolant tank, reduces opportunity of swarf damaging pumps
- ✓ Suitable for fine swarf, and chip swarf only - Aluminium, brass, and cast iron
- ✓ Improved productivity
- ✓ Increased tank capacity
- ✓ Reduced maintenance
- ✓ Environmentally friendly

### Principal Applications

- ✓ Vertical machining centre
- ✓ Horizontal machining centre
- ✓ Mill-turn/Multi-tasking machine
- ✓ Five axis machines

### Optional Equipment



Oil skimmer - Belt type



Oil skimmer - Screw type

We understand most machine applications are different. To which we offer bespoke design options to suit your needs. For example; increased tank capacity, higher discharge points etc.

Maintenance causes machine downtime, to combat this we offer equipment to support coolant condition and reduce maintenance. This is done with the use of products such as; oil skimmers, wash guns and circulation systems.

In addition, coolant status is monitored with the use of a coolant monitoring system. This displays Ph, Oil concentration, temperature and capacity levels. The system warns the user if the coolant requires attention. The data collected also allows the user to spot trends and see coolant usage. This further improves machine operation efficiency, as the user is aware of the systems condition.

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