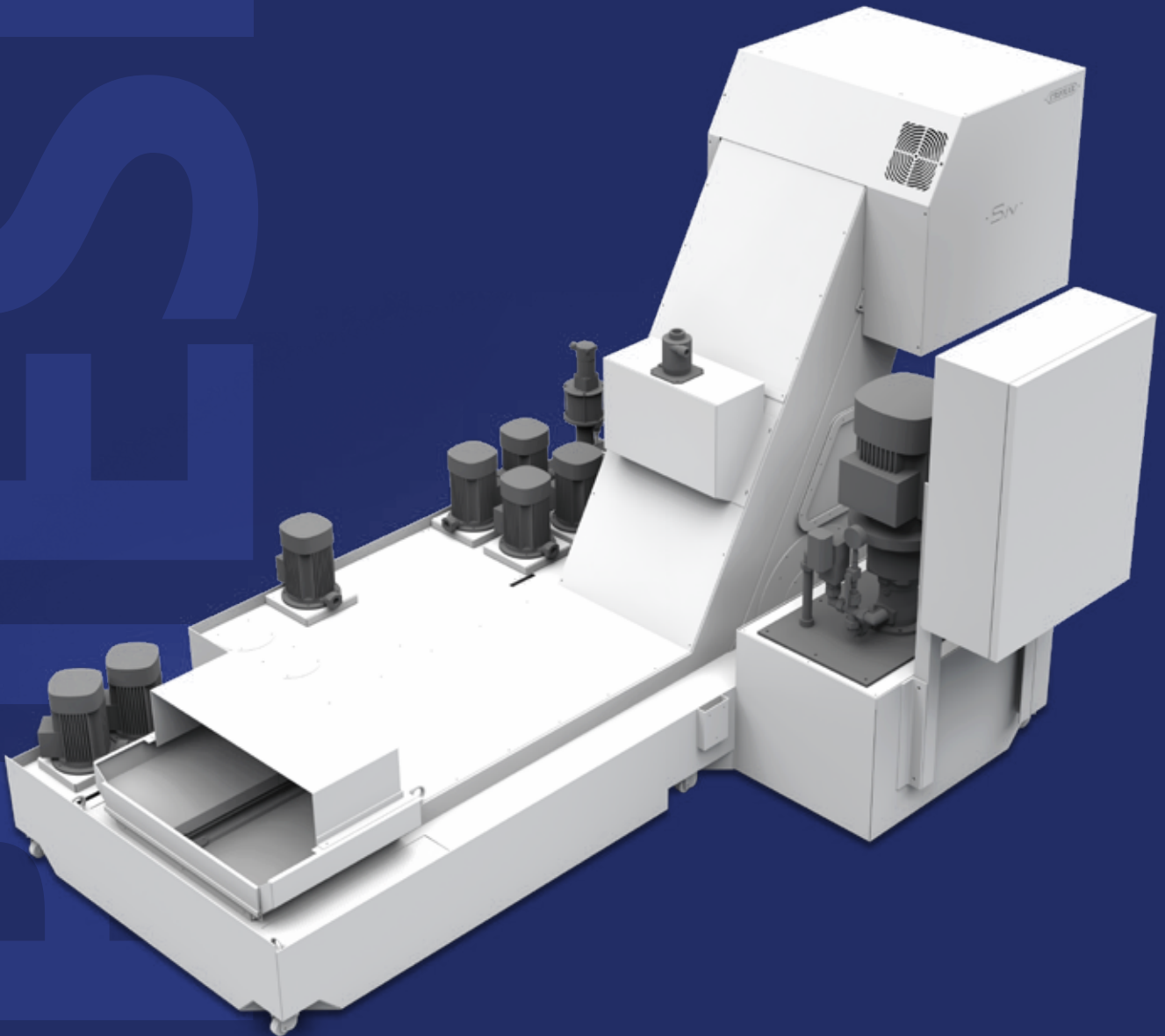


FREDERICK CROWTHER AND SON LTD

**CROMAR**

EST 1955



### Advantages

- ✓ Versatility for handling different chip types
  - ✓ Auto drum self-cleaning filtration
  - ✓ Adjustable filtration levels
  - ✓ High flow rates
  - ✓ Increased tank capacity (to suit application)
  - ✓ Coolant pumps (preparation for original)
  - ✓ Stealth tank + Circulation pipework
- ...plus many more

## Series IV

### 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

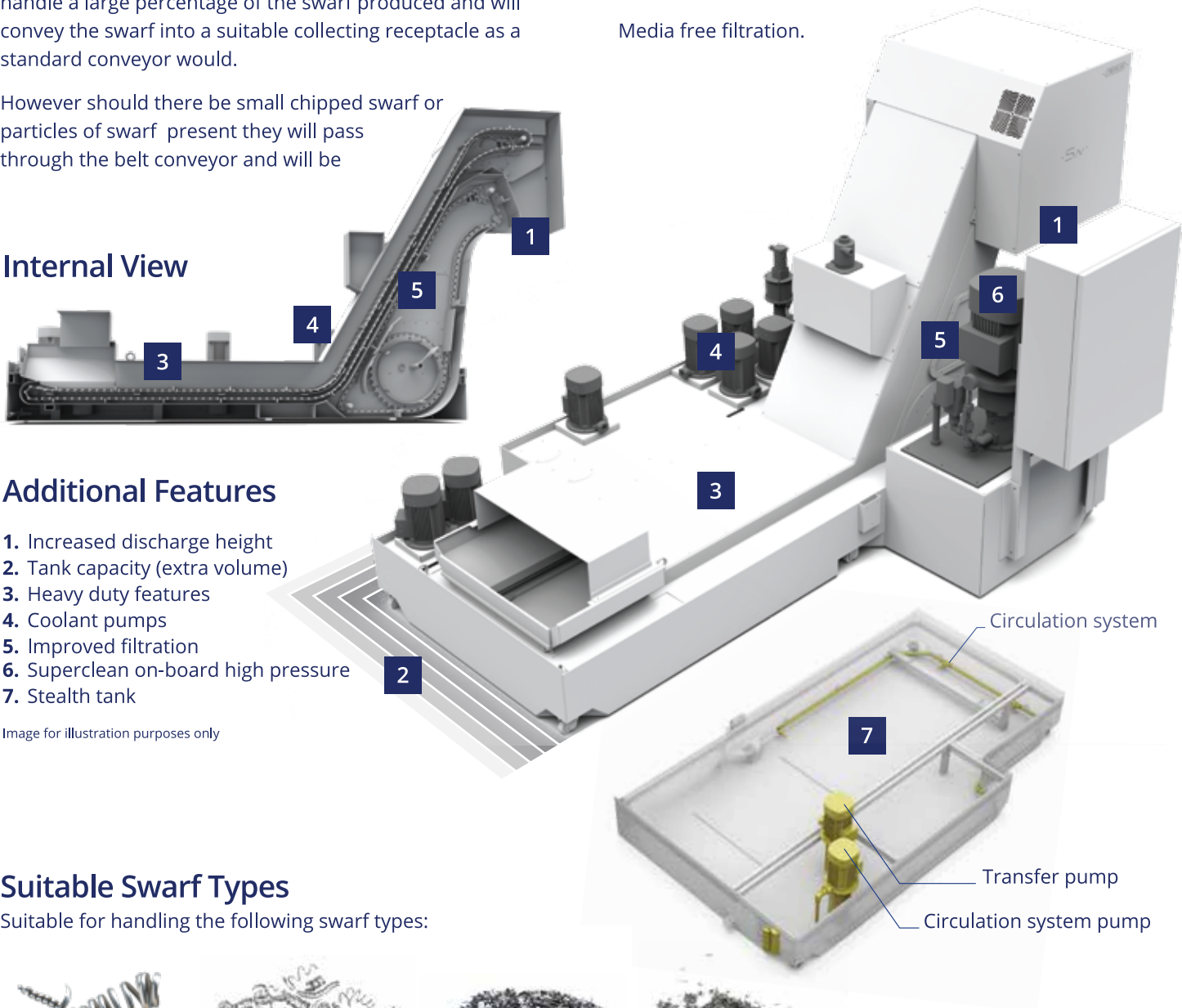
Incorporating the heavy duty 1.5" pitch steel hinged slat type belt and the 1.5" pitch steel scraper type belt within the same conveyor casing, still incorporating the self cleaning rotary drum filtration system.

Both coolant and swarf enter the conveyor by deflector chutes ensuring that no swarf or coolant escapes onto the surrounding area. Generally the belt type conveyor will handle a large percentage of the swarf produced and will convey the swarf into a suitable collecting receptacle as a standard conveyor would.

However should there be small chipped swarf or particles of swarf present they will pass through the belt conveyor and will be

deposited to the base of the conveyor where the drag type conveyor will collect and remove the swarf as standard. All coolant will pass through the self-cleaning rotary drum equipped with a removable stainless steel filter media. 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.



Internal View

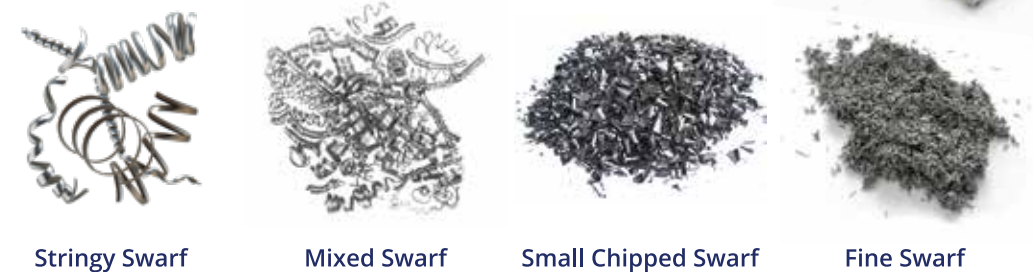
Additional Features

- 1. Increased discharge height
- 2. Tank capacity (extra volume)
- 3. Heavy duty features
- 4. Coolant pumps
- 5. Improved filtration
- 6. Superclean on-board high pressure
- 7. Stealth tank

Image for illustration purposes only

Suitable Swarf Types

Suitable for handling the following swarf types:



Stringy Swarf      Mixed Swarf      Small Chipped Swarf      Fine Swarf

Features and Benefits

- ✓ Versatility for handling different chip types
- ✓ Auto drum self-cleaning filtration
- ✓ Adjustable filtration levels
- ✓ High flow rates
- ✓ Increased tank capacity (to suit application)
- ✓ Coolant pumps (preparation for original)
- ✓ Stealth tank + Circulation pipework
- ✓ Reduced tank maintenance
- ✓ Reduced machine downtime
- ✓ Robust construction
- ✓ Reliable and long-term performance
- ✓ Plug and Play
- ✓ Maintenance friendly
- ✓ Environmentally friendly (coolant agitation)

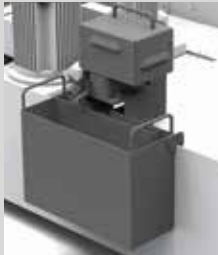
Principal Applications

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

Optional Equipment



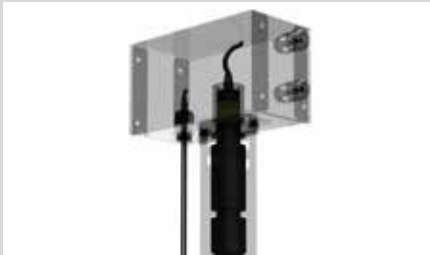
Wash gun and coolant pump - c/w retractable wheel



Oil skimmer - Belt type



Oil skimmer - Screw type



Coolant conditioning system

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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