

# Chip & Coolant Processing



**Innovative Reclamation Systems**



**NATIONAL**

National Machine Products is the North American importer of Indass chip and coolant processing systems. In partnership with Indass, National Machine Products provides various chip and coolant reclamation and recycling solutions to North American manufacturers.

## **Automatic Vertical Wringer SCED5/10**

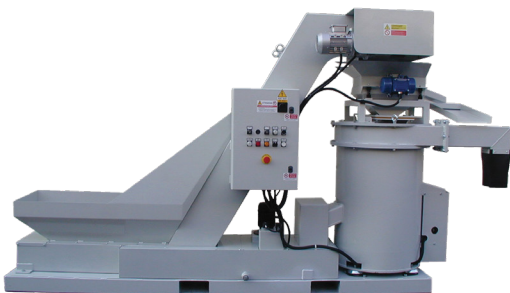


The automatic chip /swarf centrifuge type SCED5/10 is an efficient solution to dry swarf and collect the recovered Oil or Emulsion coolant in a tank for recycling and reuse.

The vertical swarf centrifuge SCED10 is a drum centrifuge for efficient operation. The solid particles are separated on the inner periphery of a drum lining while the liquid passes through for recovery.

- Compact and solid with minimum floor space requirements
- Can be mounted under the discharge end of a machine tool chip conveyer
- Chips must be <30 mm
- Automatic separation between swarf and coolant
- With or without bar ends - optional bar end separator
- Residual moisture 1% - 3% depending on the material

## **Efficient Chip Processing**



The swarf processing treatment plants are modular systems, for crushing, spinning and storage of chips that come in a number of set ups including crushers, conveyors, centrifuges, and briquetting machines. Small, compact automatic systems for the management of swarf up to 200 kg/h are also available. These options are incredibly flexible and that can be integrated into your machining solutions.

- Elimination of manually handling scrap bins
- Increased safety of the operators



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# Our Service Makes the Difference



## ROBOTLINE



- Patented single plant for different materials
- No cross contamination among materials or oils/coolant
- Capable of spinning chipped and long stringy swarf
- Hover over for more information. No crusher required
- Bar ends accepted
- Manual or automatic loading of the basket
- One single plant both for oil and emulsion
- The swarf basket is designed as the centrifuge basket
- The spun swarf is discharged automatically via robotic automation, without any operator intervention
- As an option, several baskets can be automatically handled, by installation of extra roller conveyors

## MT4



The shredder or grinder is composed of a grinding drum and a pusher which automatically pushes the swarf against the turning shaft. The inserts placed on the drum hook the swarf and push them against a holed grid. The diameter of the holes can vary due to the required size of swarf.

- Machine body made of high thickness steel Fe510 (UNI 7746), welded and hardened by tensioning elements
- High strength rotor made of steel Fe 510 (UNI 7746) with gear traction (with oil bathed gears) Ø 220
- Anti-stress shock absorbing device to protect the gearbox and rotor
- Reversible and easily replaceable steel blades N °16 - mm 30x30
- Counter blades made of C45 steel, hardened and adjustable blades for better cutting precision
- Electric power: 5.5 kW, Weight: 450 kg
- Hydraulic unit to run the pusher (kW 0.55)
- Grinder dimensions: 800 x 1450 x h.405 mm
- Crushing chamber length: 400 mm
- Anti-abrasion brass front bar
- Available with or without bar end ejection

## Why Process Your Chips?

- Higher scrap metal resell value
- Coolant recovery and lower overall disposal
- More efficient management of the entire manufacturing process
- Environmental and safety liability risks control
- Quick return on investment
- Centrifuge: residual humidity less than 2%
- Crushers equipped with bar ends ejection device
- Modular systems
- Minimal footprint area
- Low energy consumption

## REQUEST A QUOTE

