

Horizontal swarf centrifuges type HD

For recovery of coolant and chips



Picture illustrates a HD50

Function

Short wet chips with a maximum length of 20-30 mm are fed into the inlet with a chip conveyor. Bar ends and long swarf can be screened out with an optional bar end separator prior to the centrifuge.

The chips enter the centre of the drum and are moved outwards at a high rotating speed. In the periphery of the drum, there is a wire wedge screen. The liquid goes through the screen and the dry chips are thrown out of the outlet.

-The horizontal design will mean low operation and maintenance costs. All the components are easily accessible. Cleaning of the drum takes about 5-6 minutes, compared with other centrifuges, about 3-4 hours.

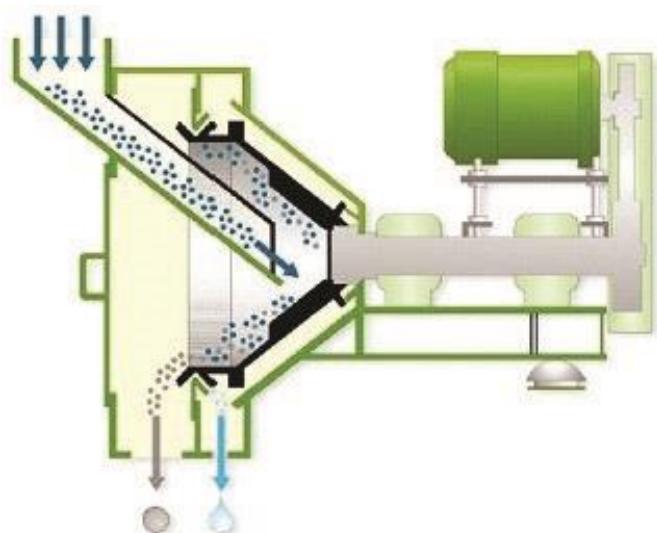
-Automatic emptying of the centrifuge after each working cycle allows easy cleaning and multiple materials to be processed in batch.

Design

The horizontal centrifuge Type HD represents a completely unique idea in swarf processing.

The coolant and the chips are centrifuged in a horizontally suspended drum where the coolant is separated by means of a wedge bar screen. The centrifuge is entirely emptied of dry chips and coolant - even after it has been switched off.

The centrifuge is ideally suited for installation in a continuously working swarf processing system and works without any manual service. It handles any type of swarf shorter than 30mm.



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Technical Data

Automatic emptying of the centrifuge after each working cycle. Chips and coolant do not stay in the centrifuge.

Separation of chips from coolant by a high-speed rotating drum with wire wedge screen. The residual humidity 2-5 % depends on the chip quality and the coolant characteristics.

The drum is made of steel. The wire wedge screen is made of stainless steel and has an opening of about 0.7 mm (standard). The stand is made of steel and the areas of wear of hardened steel plate. All parts are individually balanced

Variable speed, soft start and brake. The centrifuge types HD 82 and HD 100 are equipped with variable speeds to obtain optimal deoiling with different types of material. Electronic soft start gives minimal load on the power supply and the brake gives a minimal stopping time, which reduces the time for material changing.

| Model | Capacity (kg/h)* | Motor | Height (mm) | Weight (kg) | Space requirements (mm) |
|--------|------------------|-------------|-------------|-------------|-------------------------|
| HD 50 | 3-600 | 4 kW - 3ph | 1500 | 600 | 1300 x 1500 |
| HD 82 | 1-2000 | 11 kW - 3ph | 2400 | 1400 | 1100 x 1900 |
| HD 100 | 3-5000 | 18 kW - 3ph | 3000 | 3000 | 1650 x 2330 |

*Capacity depends on volume/weight of material, size and shape of the swarf.

