

Schematic diagram Type HD

Chip centrifuges

100 - 5000 kg/h

for coolant and oil recovery and chip drying

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Technical data

Type	VD40	HD50	HD82	HD100
Motor power rating	4.0 kW, 3x400 V	4.0 kW, 3x400 V	11kW, 3x400 V	18.5kW, 3x400 V
Max. nominal power rating	1.2 m³	2.3 m³/h	5.7 m³/h	7.6 m³/h
Continuous capacity*				
Steel chips	100 - 300 kg/h	300 - 600 kg/h	1000 - 2000 kg/h	3000 - 5000 kg/h
Aluminium chips	40 - 100 kg/h	100 - 300 kg/h	400 - 700 kg/h	1000 - 1700 kg/h
Cast iron chips	80 - 200 kg/h	200 - 400 kg/h	800 - 1600 kg/h	2000 - 4000 kg/h
Residual moisture (percentage by weight)	1 - 4 %	1 - 4 %	1 - 4 %	1 - 4 %
Net weight including motor	300 kg	600 kg	1400 kg	1700 kg

*The capacity depends on the volumetric weight of the material used and the size and shape of the chips.

Horizontal chip centrifuges Type HD

The rotating speed of centrifuges HD50, HD82 and HD100 is infinitely variable via a frequency converter in order to achieve optimum deoiling of various materials. The electronic softstart reduces the start-up current and therefore the power supply system load.

Benefits of the continuously operating horizontal centrifuges Type HD

■ Low investment costs

The investment costs for this centrifuge are significantly lower compared to other centrifuges with the same capacity. Installation is quick and easy.

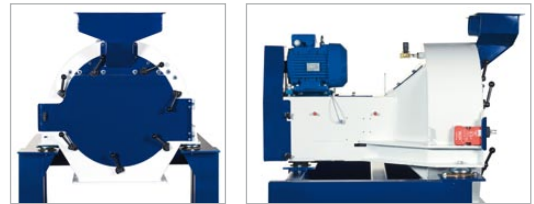
■ Low operating and maintenance costs

This centrifuge is suitable for installation in a continuously operating chip processing system and works without manual operation. Maintenance costs, which are relatively high for other centrifuges, are lower with this horizontal centrifuge as each section is easy to reach. The centrifuge does not need to be raised or moved for maintenance work. All comb racks and wearing parts are located at an ideal working height.

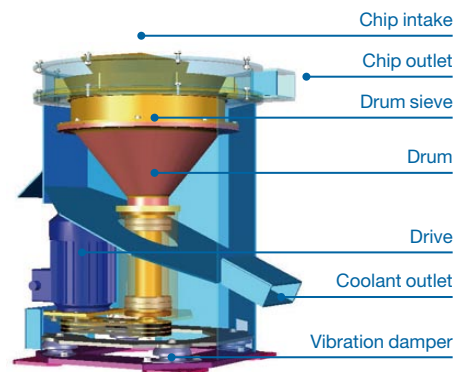
Vertical centrifugal blower VD 40

Due to the very compact design with integrated vibration dampers (low noise level), centrifuge VD40 can be installed and operated directly on the machine tools. All rotating system components are separately balanced and can therefore be changed without affecting the quiet running of the vertical centrifugal blower.

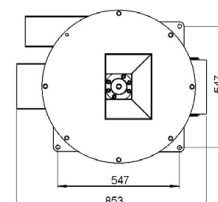
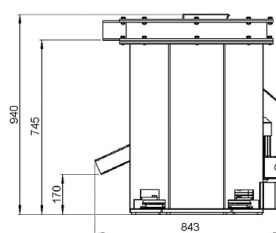
Centrifugal blower type VD40 is a vertical drum centrifuge for continuous deoiling of short chips. Coarse particles must be separated beforehand for this reason. Short chips can be fed to the centrifuge intake via a slat-band belt conveyor for example. The chips slide to the bottom of the drum and are subjected to high centrifugal forces by the rotary movement and pressed through the drum sieve in the direction of the chip outlet. The liquid flows through this sieve and is discharged via the coolant outlet. The VD40 is able to convey the dried chips up an ascending gradient of up to approx. 30° to a tank up to 5 m away.



Chip centrifuge Type HD



Special solution: Vertical centrifuge VD 40



VD 40 chip centrifuge

Liqui FILTER

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