

Schematic diagram Type HSZ

Chip centrifuges

100 - 5100 kg/h

for coolant and oil recovery and chip drying

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Technical data

Type	VSZ350	HSZ650	HSZ2100	HSZ5100
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	On request	300 - 650 kg/h	1000 - 2100 kg/h	3000 - 5100 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 %
Dimensions (L x W x H)	873 x 690 x 951	1280 x 930 x 955	1630 x 1215 x 1458	1780 x 2200 x 1851
Net weight including motor	320 kg	410 kg	1730 kg	3700 kg

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

Horizontal chip centrifuges Type HSZ

The rotating speed of centrifuges HSZ650, HSZ2100 and HSZ5100 is infinitely variable via a frequency converter in order to achieve optimum deoiling of various materials.

Benefits of the continuously operating horizontal centrifuges Type HSZ

■ 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.

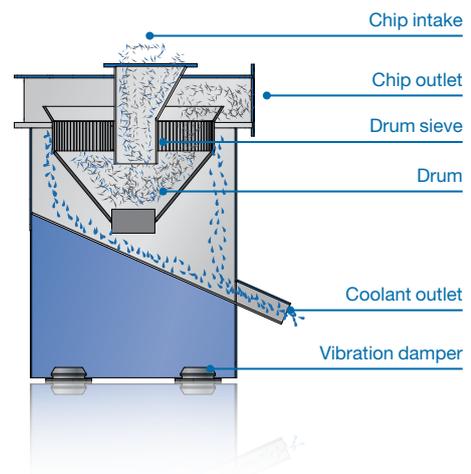
■ Low operating and maintenance costs

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 VSZ350

Due to the very compact design with integrated vibration dampers (low noise level), centrifuge HSZ350 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 centrifuge blower.

Centrifugal blower type HSZ350 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 HSZ350 is able to convey the dried chips up an ascending gradient of up to approx. 30° to a tank up to 5 m away.



Schematic diagram Type VSZ



Central chip system for steel bar peeler with vacuum sluice and silo storage for the filling of railway freight cars



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