



Arboga-Dareenth Group

# ARBOGA-DARENTH SWARF CENTRIFUGE TYPE HD



for recovery of coolant  
and chips



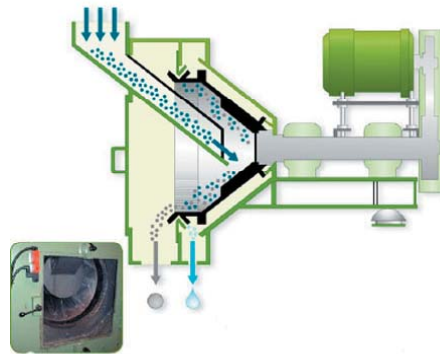
## Swarf centrifuge type HD

# The horizontal swarf centrifuge that simplifies and cheapens the recovery of coolant and chips

The horizontal centrifuge represents a completely new 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. You cannot find a more economic way to centrifuge swarf!

### **Variable speed, soft start and brake**

The centrifuges types HD82 and HD100 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



## **Advantages of Arboga-Dareuth swarf centrifuges**

### **Low investment cost**

This centrifuge costs less than others of the same capacity. Installation is quick and easy.

### **Low operating and maintenance costs**

The centrifuge is ideally suited for installation in a continuously working swarf handling system and works without any manual service. The maintenance costs for other centrifuges are relatively high - but for our horizontal

centrifuge they are definitely lower as all the components are easily accessible.

The centrifuge does not have to be lifted or moved during maintenance work. The wedge bar screen and wear parts can be reached through a side door.



*System for de-oiling of short swarf machined in oil or emulsion. The picture shows a HD50 with a capacity of 500 kg/h. The residual humidity is approx 2%*



*The HD-centrifuge has a simple construction, is very robust and reliable and easy to maintain. The centrifuge is working with high number of revolutions, which achieve an optimal de-oiling result*



*Arboga-Darent's biggest model type HD100. The capacity is 3000 - 5000 kg/h in steel swarf*

## Technical data

Type	VD 40	HD 50	HD 82	HD 100
<b>Motor</b>	4,0 kW	4,0 kW, 3-ph	11 kW, 3-ph	18,5 kW, 3-ph
<b>Max nominal capacity</b>	1,2 m <sup>3</sup> /h	2,3 m <sup>3</sup> /h	5,7 m <sup>3</sup> /h	7,6 m <sup>3</sup> /h
<b>Continuous capacity*</b>				
<b>Steel chips</b>	100-300 kg/h	300-600 kg/h	1000 -2000 kg/h	3000-5000 kg/h
<b>Aluminium chips</b>	40-100 kg/h	100-200 kg/h	300 - 600 kg/h	1000-1700 kg/h
<b>Cast iron chips</b>	80-200 kg/h	200-400 kg/h	800 - 1600 kg/h	2000-4000 kg/h
<b>Residual humidity (%by vol)</b>	1 - 4 %	1 - 4 %	1 - 4 %	1 - 4 %
<b>Net weight with motor</b>	300 kg	600 kg	1400 kg	1700 kg

\*The capacity depends on volume/weight of material, size and shape of chips

## Custom-built systems for swarf handling or separate units - Arboga-Darenth solves your problem

The solution of rational swarf handling varies from one company to another depending on production layout, quality and volume of swarf. No standard solutions are available. Arboga-

Darenth has experience and knowledge, enabling us to offer you cost saving solutions, either separate units or complete systems.

