

CONTINUOUS CENTRIFUGE for de-oiling short or crushed swarf SCPC/RCPC-C TYPE



RCPC 70 C

KEY FEATURES OF SCPC/RCPC-C CENTRIFUGES



PRODUCTIVITY

- Throughout up to 6 tons/hour dependent on the size and shape of the swarf, the oil characteristics (viscosity and temperature).
- Reduced residual moisture due to the centrifuge design allowing to manage residence time of swarf inside the basket.



EASE OF USE

- Continuous running.
- Installation on an elevation platform for dry product unloading in container or conveyor.



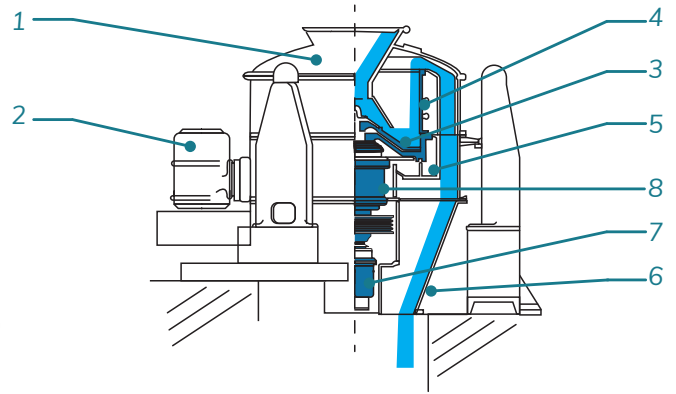
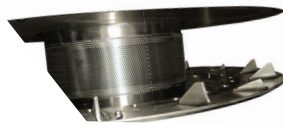
RELIABILITY

- Fabricated steel outer shell internally protected with high Manganese content steel to achieve resistance against swarf abrasion.
- Suspension types in 3 points (SCPC) or 4 points (RCPC) for vibration reduction and lower wear of critical parts (bearings, main shaft...).

PRODUCTION

The throughput of this continuous swarf processing centrifuge depend on, **the size and shape of the swarf/chips, the characteristics of the oil (viscosity, temperature), and the quantity of oil to be removed.**

After processing, the remaining oil content of the swarf is usually between 1 and 3% of dry weight.



OPERATING PRINCIPLE

The rotating conical basket is manufactured from **wedged wire**, to achieve filtration of oil from swarf.

being fed into the basket to push the previously fed swarf in on upward direction across the face of the wedged wire screen.

The base of the basket is designed as a pusher plate, wich is hydraulically controlled. This plate operates in an "up and down" motion, wich causes the last of the swarf

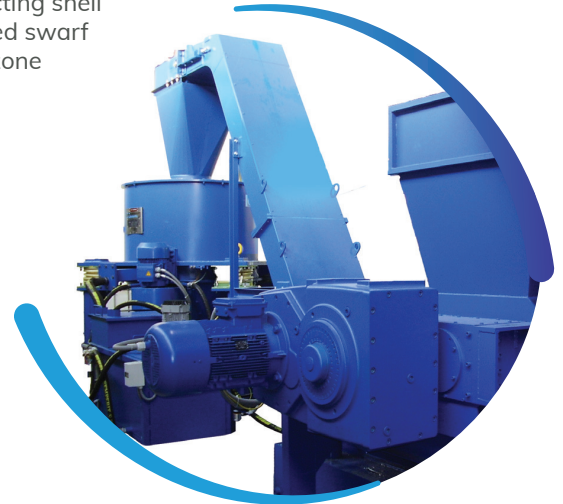
The swarf is automatically discharged from the basket when it reaches the top and falls by gravity to the discharging outlet chute.

- 1- Loading funnel
- 2- Electric drive motor
- 3- Pusher plate
- 4- Wedged wire basket
- 5- Oil collecting shell
- 6- Processed swarf discharge zone

- 7- Rotary seal
- 8- Bearing housing and hydraulic device for pusher plate motion

MAIN SPECIFICATION (SCPC)

- 3 point suspension or rigid type.
- Fabricated steel outer shell internally protected with high Manganese content steel to achieve resistance against swarf abrasion.
- Wedged wire stainless steel conical basket with base operating as a pusher plate.
- Mounted on roller or needle bearings dependent on size of centrifuge.
- Continuous top feeder with processed swarf being discharged from the base.
- Centrifuge driven in rotation by a side-mounted electric motor connected to a frequency inverter.
- Hydraulic pack for pusher plate motion.
- Local electrical control panel.
- Centrifuge designed and built according to European standards.



CHARACTERISTICS OF SCPC-C / RCPC-C RANGE

TYPE	Basket			Motor power		Hourly output of crushed chips (Tons)			Total weight with hydraulic unit Kg
	Basket speed rpm	∅ mm	Height mm	Centrifuge kW	Hydraulic unit pump kW	Mild or stainless steel	Brass steel	Aluminium	
SCPC 50 C RCPC 50 C	1000	500	305	3	3	0,35 > 0,75	0,50 > 1,00	0,15 > 0,40	1150
SCPC 70 C RCPC 50 C	890	700	430	4	4	1,00 > 2,50	1,50 > 3,00	0,75 > 1,50	2000
SCPC 90 C RCPC 50 C	520	900	490	12	5,5	3,00 > 5,00	4,00 > 6,00	1,50 > 2,50	3100



HEADQUARTERS

ROUSSELET ROBATEL
45 Avenue Rhin et Danube
Parc d'activité économique de Marenton
07104 ANNONAY - FRANCE
Tel : +33 (0)4 75 69 22 11
E-mail : info@rousselet-robatel.com

UNITED KINGDOM

Rousselet UK Ltd
Parkside House, 17 East Parade
HARROGATE
NORTH YORKSHIRE HG1 5LF
Tel : + 44 (0)1 423 530 093
E-mail : info@rousselet-robatel.com

USA

Robatel Inc.
703 West Housatonic Street
PITTSFIELD
MA 01201
Tel: + 1 413 499 4818
E-mail : sales@rr-centrifuge.com

DEUTSCHLAND

ARRGOS GmbH
Max-Eyth-Str. 1
D-71691 Freiberg a.N.
Tel : +49(0)7141 97229 20
Fax : +49(0)173 757 6226
Email : nicolas.kiehl@arrgos.de