



Costumized solutions for the treatment of waste from processing

Centrifuges FC300

AUTOMATIC CENTRIFUGE
160 ÷ 500 KG/H



Automatic centrifuge for metal chips suitable for separating and recovering the cooling lubricant.

It is a medium centrifuge, ideal to be integrated in a treatment group. The discharge of the treated chip is located in the bottom of the centrifuge.



- Structure made of sturdy painted metalwork RAL 7016, anchored to a thick and rigid platform
- Basket made from a block of special steel turned on a CNC machine and heat treated
- Parts in contact with the chip made of special anti-wear materials
- Anti-vibration dampers to reduce vibrations
- Reduced dimensions
- High efficiency
- Easily replaceable slotted filter ring with differentiated holes

The **FC300** centrifuge is a unit suitable for **centrifuging metal**, ferrous and non-ferrous **swarf**, in order to recover the cooling lubricant used by the machine tool in the production process.

The FC300 centrifuge is designed for continuous feeding and for the treatment of short swarf, not exceeding 2 cm in length.

Under optimal conditions, the FC300 centrifuge allows to obtain swarf with a wet content that can reach up to 1.5%.

The actual efficiency of the centrifuge, as well as the actual hourly flow rate, depends on the characteristics of the swarf, in particular the material, the shape, the weight per unit of volume, as well as the starting humidity and can be confirmed by testing your swarf at our premises. If there are pieces in the swarf, such as bar headers, semi-finished products or bar ends, the FC300 centrifuge should be equipped with a sieve.

DIMENSIONS Ø X H
850 X 940 mm mm

POWER
1,1 kW

VOLTAGE
230/400 V

POWER SUPPLY
Continuous

RPM
1.480 rpm

WEIGHT
250 kg

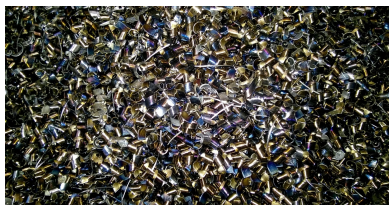
HOURLY PRODUCTION

Q = 400 L/H	BRASS	STEEL	ALUMINIUM	STAINLESS STEEL	COPPER	CAST IRON
density [kg/dmc]	1,30	1,20	0,40	1,00	0,80	1,30
Kg/h	500	480	160	400	320	500

The data in kg/h is approximate and in any case depends on the density of the swarf, the shape, the oil content and the type of coolant. the density data considered are hypotheticalal, based on an experimental average of the data in our possession.

AVAILABLE OPTIONAL

- Customised support structure made of sturdy painted metalwork to be anchored to the floor
- Discharge screw conveyor
- Slotted ring with hole different from the standard
- Painting in RAL different from the standard
- Coolant collection tank with level sensors and 0.3 bar transfer pump
- Electrical control panel



FURTHER TECHNICAL CHARACTERISTICS

1. In order to optimize the de-oiling result, the machine should be equipped with an inverter.
2. The cycle can be controlled by a logo or a PLC.
3. It is essential to equip the centrifuge with a washing pump which will be installed on the coolant recovery tank as to prevent the accumulation of sludge in the fluid discharge channel and avoiding its clogging.
4. The swarf must be short or not larger in size than 2 x 1 or 2 cm.
5. The swarf must not contain pieces (end of bar, bar headers, processed parts, ...). Pieces in the order of cm are tolerated.
6. The centrifuge must be loaded continuously and uniformly to ensure maximum performance.

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