

CENTRIFUGES



DESCRIPTION

The **FCM** de-oiling centrifuge with extractable basket is the ideal machine for de-oiling swarf or any small parts deriving from the processing of machine tools.

It consists of a cylindrical carbon steel frame, housing a removable perforated basket designed to contain metal swarf or small parts impregnated with cutting fluid.

The centrifugal force generated by a rotor/motor separates the cutting fluid from the swarf, then the coolant courses through the holes of the basket and is discharged outside.

CHARACTERISTICS

- Ideal for de-oiling small quantities of swarf or small metal parts
- Available in 4 models from 15 to 100 liters for different needs
- Supporting base in carbon steel plate
- Possibility to achieve a better degree of de-oiling by lengthening the work cycle
- Possibility to centrifuge even long swarf
- Ideal for companies that work with more materials (e.g. machining for third parties)

OPTIONAL

- Fe360 carbon steel replacement basket
- Basket holder trolley with wheels in oil resistant material
- Heating kit with 200 W electric resistance
- Jib crane to lift the basket, underarm height from the ground 2500 mm, outreach 1800 mm, 200 kg electric hoist with manual push

SUPPLY

- Supporting base in carbon steel plate taken from solid and electro-welded sheets Fe360, shaped and reinforced at the points of greatest stress
- Rotor unit built into the rotor consisting of a properly sized central shaft, that rotates on special bearings housed inside the support
- Support housed in the middle of the supporting base, secured with special mechanical high resistance nuts and bolts with bearings and basket rotation shaft inside
- Manually opening lid with a restraint cylinder
- Drain at bottom of centrifuge designed to converge into a collection tank to be placed on the side of the centrifuge
- Electric panel fastened at the back of the centrifuge, complete with interlocking three-phase power disconnecter, latest generation components, auxiliaries 24 Volt DC power supply drawn from main switchgear, thermal circuit breaker protected by fuse, inverter and speed variator by means of trimmer, centrifuge work cycle timer, two-hand start and stop buttons, emergency button



MORE MATERIALS



SHORT AND LONG SWARF



HIGH EFFICIENCY

FAMA RESERVES THE RIGHT TO MAKE CHANGES TO THE PRODUCT WITHOUT NOTICE

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FURTHER TECHNICAL CHARACTERISTICS

The FCM31-61 centrifuge can be loaded and unloaded in two different ways:

- **Manual mode:** with the aid of a jib crane complete with electric hoist, which allows the baskets to be hooked up and lifted after being filled with swarf or small parts and inserted inside the centrifuge itself to be centrifuged; in this case the lid must be opened manually
- **With the help of an automatic system:** capable of autonomously performing the baskets loading and unloading operations in the absence of the operator. A manipulator or transfer system lifts, fills and inserts the basket into the centrifuge. Unloading takes place in the same way. In this case the lid is opened by means of a pneumatic cylinder operated by an electrovalve before loading the basket and at the end of the cycle by means of an adjustable timer

TECHNICAL DATA	FCM31	FCM48	FCM61
BASKET DIMENSIONS	Ø300mm H=245 mm	Ø480mm H=320 mm	Ø600mm H=410 mm
MAXIMUM CAPACITY	20 kg	30 kg	150 kg
INSTALLED POWER	1,1 kW	1,5 kW	5,5 kW
LID OPENING	Manual	Manual	Manual
FEED	Discontinuous	Discontinuous	Discontinuous
BASKET SPEED	1.480 rpm	980 rpm	740 rpm

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