COLIBRÌ 2.0

STANDARD GROUP

DESCRIPTION

COLIBRÌ 2.0 is a compact unit for the centrifugal treatment of short metal chips, for the separation and recovery of the coolant. This is a standard group with reduced dimensions for the optimization of space in the company. It is composed of a belt conveyor specifically designed to contain a chip trolley. The side edges of the conveyor are suitable for unloading by forklift or by means of a small tipping lift.

The short chips, wet with coolant, are loaded and dosed into the centrifuge by the belt conveyor. The coolant recovered from the centrifuge is stored in the integrated dredging self-cleaning collection tank. The evacuated sludge is discharged into a small dedicated box.

- **COLIBRÌ 2.0** is equipped with a sieve suitable for separating the bar ends or finished products which may be contained in the chips and which could damage the centrifuge.

- **COLIBRÌ 2.0** is assembled on a palletized platform so as to be easily movable and is delivered already wired complete with electrical control panel with remote assistance and is ready for use.

CHARACTERISTICS COLIBRÌ 2.0

- Open accumulation hopper for convenient chip loading
- Series part separation sieve
- Coolant collection tank, self-cleaning dredging version as standard
- Palletized base with containment rim
- Features compliant with Industry 4.0 plan requirements

OPTIONAL

- Discharge screw for FC200 centrifuge

SUPPLY

- Centrifugal loading belt conveyor with accumulation, with raised side edges for loading
- Pieces separation vibrating screen installed upstream of the centrifuge
- FC200 centrifuge
- Self cleaning scraping cutting fluid collection tank, complete with centrifuge washing pump, cooling lubricant booster pump, level sensor and sludge collection box
- Palletised base with containment sideboard
- Electrical control panel with inverter and remote assistance

PLUG & PLAY

COMPACT

4.0
INDUSTRY 4.0 READY

EASY MAINTENANCE

🇬🇧 COLIBRÌ 2.0

STANDARD GROUP

SLAT CONVEYOR

ELECTRICAL PANEL

FC200

SELF-CLEANING DRAG TANK
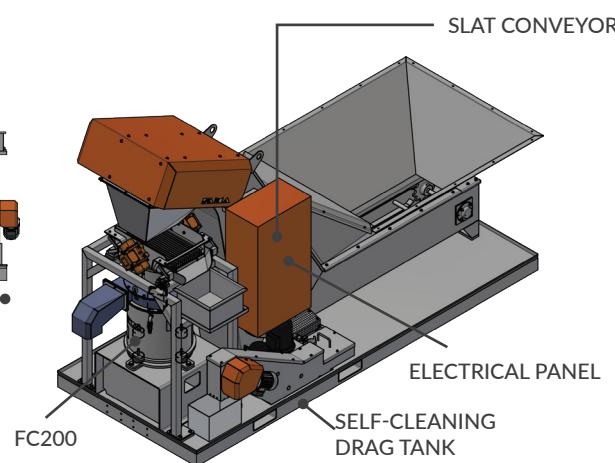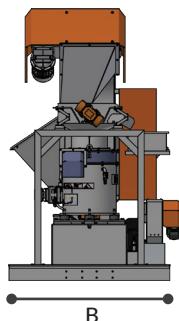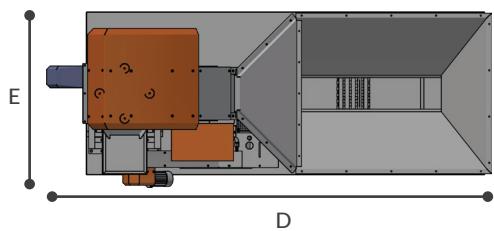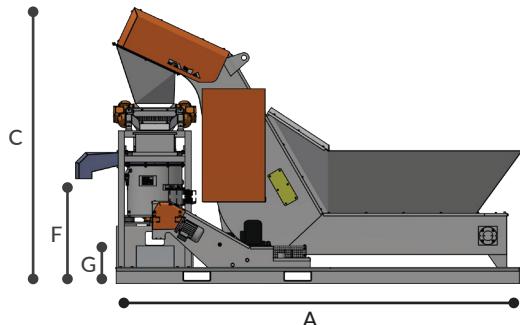
DIMENSIONS

A - GROUND LONG SIDE SPACE	3200 mm
B - GROUND SHORT SIDE SPACE	1300 mm
C - MAXIMUM HEIGHT SPACE	2200 mm
D - MAXIMUM LENGTH SPACE	3600 mm
E - MAXIMUM WIDTH SPACE	1410 mm
F - CENTRIFUGE DISCHARGE HEIGHT	840 mm
G - DREDGER DISCHARGE HEIGHT	350 mm

TECHNICAL DATA

WEIGHT	900 kg
POWER	3.0 Kw
POWER SUPPLY	400V 22A
SWARF HOURLY FLOW RATE	50 ÷ 200 kg/h
HOPPER LOADING VOLUME	600 l

HOURLY PRODUCTION

Q = 0,2 m3/h	BRASS	STEEL	ALUMINIUM	STAINLESS STEEL	COPPER	CAST IRON
Δ density [kg/dm3]	0,45 ÷ 1	0,50 ÷ 1	0,15 ÷ 0,30	0,40 ÷ 1	0,25 ÷ 1	-
Kg/h	90 ÷ 200	100 ÷ 200	30 ÷ 60	240 ÷ 200	50 ÷ 200	-

The data in Kg/h are approximate and in any case depend on the density of the swarf, the shape, the type and the thickness. The density data considered are hypothetical, based on an experimental average of the data in our possession. It is preferable to avoid a situation whereby there is swarf inside the hopper in a quantity above 150-200 Lt.