

RC50-20

Grit Recycling System



The RC50-20 is a mobile abrasive recycling machine which can be used inside or outside. Several types of reusable abrasive can be recycled by the RC50-20, the rate of recycling depends upon the type of abrasive being processed. Garnet can be recycled at a rate of up to 5 tons per hour, Steel Abrasive can be recycled at a rate of up to 12 tons per hour*.

Used abrasive is manually feed into the intake hopper from where it is collected by the bucket elevator and transported up the funnel. At the top of the funnel the abrasive is poured onto the spreading plate which ensures an even, shallow and wide flow down into the cascade cleaner. Inside the cascade cleaner the larger particles are separated into a dust bag, and the smaller particles are extracted by a separate cartridge filter which features solenoid controlled automatic pulse cleaning. Depending upon which abrasive is being recycled the unit can be adjusted to ensure that the abrasive flow and particle separation are fine tuned to be as effective as possible. The cleaned abrasive is deposited into a hopper ready for reuse.

- The unit is manufactured in Europe from 3mm and 5mm steel to the highest quality standards.
- The motors and gearboxes are sealed and lubricated for life.
- The unit requires an electrical connection of 400 volts – 50 Hz as well as compressed air.

*actual performance depends upon many variable factors – the performance figures shown are to be used as a guide and cannot be considered actual in all environments.

TECHNICAL SPECIFICATIONS

Dimensions (in standing position): Height : 4.000 mm
Width : 1.500 mm
Depth : 1.800 mm

Weight (empty): 650 kg.

DELIVERY INCLUDES

E 50 ELEVATOR

Total height : 4.000 mm
Capacity : 50 liter per minute
Motor power : 0,75 kW
Electrical power : 400 Volt, 50/60 Hz.

Made from 2 and 3 mm sheet steel, reinforced with steel profile. Equipped with a motor, gearbox, dust free rolling element, and an inspection hatch.

K 350 CASCADE CLEANER

Height : 650 mm
Width : 350 mm

Made from 3 and 5 mm steel plate. The cleaner is mounted between the elevator and the stock silo.

PF 1-L DUSTFILTER (FOR CASCADE CLEANER)

Cartridge Filter with automatic continuous solenoids which activate pulse cleaning.
Filter installation made from 3 mm steel plate with sleeve profiles and reinforcements.

The filter installation consists of the following components:

- Undercarriage with preseparator and dust silo with rubber plug valve
- Filter cabinet with integrated compressed air filter cartridge and cleaning system
- Fan

Technical specifications

Exhaust capacity : 960 m³/h
Static pressure : 1,200 Pa
Motor power : 0.75 Kw
Motor voltage : 400 Volt-50/60 Hz
Filter cartridge : 1 pc.
Filter area : 325 x 15 m²
Filter material : polyester nonwoven NA 806
Max. dust emission : < 1.5 mg/nm³
Dedusting : automatically by compressed air; max. 6 bar
Valves : 1 pieces 1½ G
Pulse pressure : ± 5 bar
Pulse cycle time : adjustable
Exhaust pulse : 1 cartridge equivalent
Noise level : 78 dBA
Dust extraction : PVC bag

S-200 HOPPER

Abrasive silo 200 litre. Made from 3 mm sheet steel, reinforced with steel profile and equipped with a grit valve and closing lid.

ELECTRIC PANEL

Complete with automatic switch controllers, mainswitch, failure lamp and control buttons.