

OPTIONAL:

ADVANCED MODEL should be customized according to specific customer's demands with many additional attachments, which can improve performance, or provide additional possibilities for control or even automatic working process:

- Powered Rotary Sieve (MRS 5/5) instead of Inclined vibro sieve (IVS 5)
- Automatic fill-in system with Pneumatic Knife Valve
- Level Control of abrasive media for Pressure blast pots
- Weighing systems for Automatic Fill-In system



ARC-2

ABRASIVE RECYCLING CENTER, type PNEU-1

An extremely powerful vacuum unit for the collection of blasting grit and other granulated material. The combination of high vacuum and high airflow make material transport over long distance possible. Compact design, built on a frame with the possibility of transportation by forklift. Equipped with grit and dust separator. The clean grit is collected in a silo and can be re-used. The dust is trapped in a high efficient NCF filter and discharged into a dustbin.

- High vacuum and airflow
- Dust separation from grit and granulates
- Efficient self-cleaning NCF filter



PNEU-1

Izdaja: Abrasive recycling&recovery systems-EN-KP-A3-Apr2012

ABRASIVE RECYCLING & RECOVERY SYSTEMS



ARC-1

Reduce operating costs and improve your productivity

ABRASIVE RECYCLING CENTER, type ARC-1

Mechanical systems for collection and recovery of practically all types of abrasive media are today a vital part of every, also very simple Blast Room. These systems rapidly reduce time for refilling Blast pots and the used abrasive media in constant recirculation is always clean of dust, debris and other large particles.

They are assembled from three main parts:

- Bucket Elevator, powered by a electromotor with gearbox, belt tensioner and rotation control
- Separator with inclined sieves and controlled wind separator
- Silo for abrasive media on the support, with different types of fill-in systems (manual; pneumatic; automatic)

Standalone units should have additional Electro-control box (Optional)



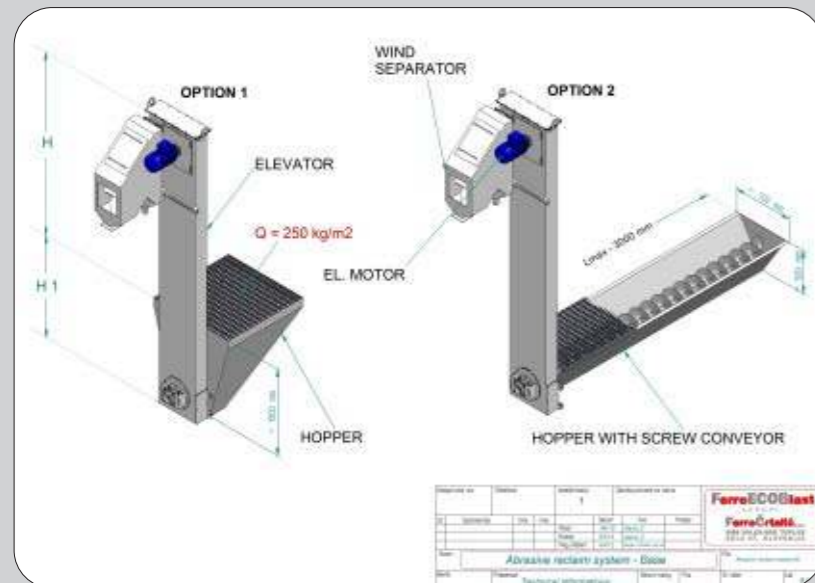
ARC – 1-200 Silo for Abrasive with 1 pressure pot, Elevator & Separator; manuell fill-in valve



ARC-1



ARC-1



Electro-control box (Optional)

ABRASIVE RECYCLING CENTER, type ARC-2 (Basic&Advanced)



ARC – 2-600
Silo for Abrasive with 2 pressure pots and manuell fill-in valves



ARC-2

Silo for Abrasive with 2 pressure pots, weighing system and automatic fill-in valves

This unit is specially designed for Industrial purposes in the toughest conditions, connected to the blast rooms or in a standalone version, positioned independently on the Blast field.

BASIC MODEL consists of Main frame on the platform with integrated guides for fork-lifter, and hooks on the top corners. Inside the frame is a built-in complete recovery and recycling system with a **Bucket elevator**, Separator and Silo for Abrasive media, with Electro Control Box.

Bucket Elevator has an Intake hopper on the level + 800 mm, assembled with safety screen and top cover, to avoid moisture. It has also a Control unit for belt rotation speed, to avoid overdosing.

Separator for Abrasive is firstly equipped with an Inclined (vibro) screen for separation of large particles and secondly, with Wind Separator, which separates dust from the good abrasive.

Silo for Abrasive is divided into two halves and is equipped with a cover and additional screening sieve on the intake, to eliminate the possibility of any larger parts entering the silo, which could lead to equipment failure and damage. It has two outlets for filling the Blast machines, closed with manual knife valve.

Electro Control Box consist of Main Switch, Start/Stop buttons, signal lights and Emergency switch, and additionally also with a Counter for Working hours.

Abrasive Recovery Systems **ARC x - AU** should be equipped with weighing systems for each Pressure Blasting pot, which are connected to the main Electro-Control box with PLC, which automatically refill each Blast pot through pneumatic knife valves. Computer controlled system waits for the best moment and between nearest interruptions refills the Blast pot. This way, the operator can blast practically without any interruptions in the working process.

With Optional equipment this model could be Upgraded to the **ADVANCED MODEL**, which has additional Upper platform with a fence (Metal plates and Top cover), which protects sensitive equipment e.g. Separator and Filter unit against weather conditions, and metal accessing stairs.

This model is completed with our **FILTER UNIT CENTRO** type 2/2 with two polyester filter cartridges and centrifugal fan with a noise silencer on the exhaust.

Under the Fill-in tubes are installed Two **PRESSURE BLASTING MACHINES** with 20 m of blasting hoses, Deadman remote control and blast guns with Tungsten Carbide nozzles, complete with two (2) Personal Safety protection kits.

This way, our ABRASIVE RECYCLING CENTER is complete and independent and is able to work everywhere.