

**LEADING IN
ELECTROSTATIC SEPARATION**

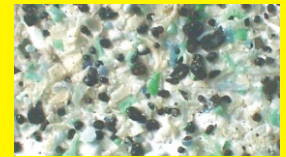
hamos 

Electrostatic Plastic Separators

hamos EKS



hamos EKS 1022-2 with accessories



You recycle:

- Plastic bottles
- Plastic window-frames
- Cable residues
- Plastic production waste
- Technical polymers
- Automotive residues
- Post consumer plastic waste
- Refrigerators and many more

With the dry working **hamos EKS** Electrostatic separator you can separate your plastic mixtures with the lowest cost, like many other recyclers do! The EKS separates HDPE/PP, PET/PVC, PVC/Gummi, PP/PS, ABS/PMMA, HIPS/ABS, PVC/PE and many more.

hamos EKS Electrostatic Separators enable:

- Dry plastic separation without separation liquids
- Change of plastic waste into valuable material
- Re-use of separated plastic materials
- Reduction of the scrap quantity to be dumped.
- High product purities
- Low product loss
- Modular system for any production requirements

Your advantage

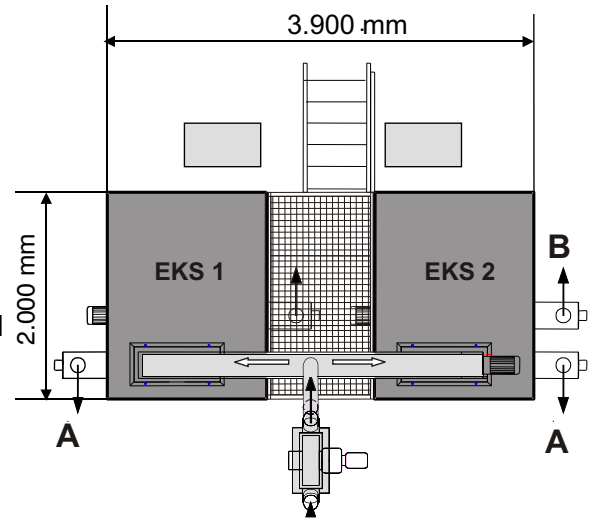
- Dry separation process
- No separation liquids necessary
- Independent from specific weight
- Independent from colour
- Efficient technology
- High purity of the products
- Well proven, turn-key system
- Quick return on investment
- Low manpower, easy operation
- Low power consumption
- Even highest throughputs possible
- High flexibility - one machine separates many plastics

The function

A mixture of different plastics is tribo electrically charged in a special charging unit. Plastic particles are charged positively or negatively on mutual contact. This effect happens by changing electrons from one plastic to the other. After charging the particles are separated in a high voltage field.

The product range

hamos delivers EKS tribo electrical separators with different throughputs and specifications especially for your application with one or two separation steps. All machines can be equipped with integrated screw conveyors for material output. With our infeed silos and the automatic material logistics we can deliver a complete turn-key system, designed for fully automatic operation in 3 shifts. The highly flexible **hamos** EKS separators can be used "in parallel" with two or more machines for maximum production or "in line" for re-separation of the reject.



Standard specifications

EKS electrostatic separators are equipped with the following standard specifications, which are all included in our price without extra charge:

- Complete EKS separator system, ready to use
- Fully automatic operation in three shifts by microprocessor controlled Siemens S7 PLC system (2 button operation: START and STOP)
- Fully automatic logistics for material infeed by silo (optional) allows 24 hr continuous operation without manpower
- Individual adjustment of parameters by frequency controlled motors
- Fully automatic electrode cleaning system
- Fail safe operation
- Separator housing, framework, operation platform
- Easy access for cleaning through huge doors on the sides of the machine
- Electronic high voltage supply avoids toxic transformer oils
- Practically no wear

Our Offer

We have made hundreds of separation tests with different types of material . Please contact us if you are interested in a separation test in our laboratory. We will show you which value your material could have.

hamos supplies the following systems:

- **ERP** Electronic Scrap Recycling Plant.
- **KWS** Electrostatic Separators for recovery of fine metallic particles
- **ECS** Eddy Current Separators
- **HS, FFS, LCS** Electronic All-Metal Separators for protection of machines and products
- **SEA** Colour Sorting Machines
- **Magnets**

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