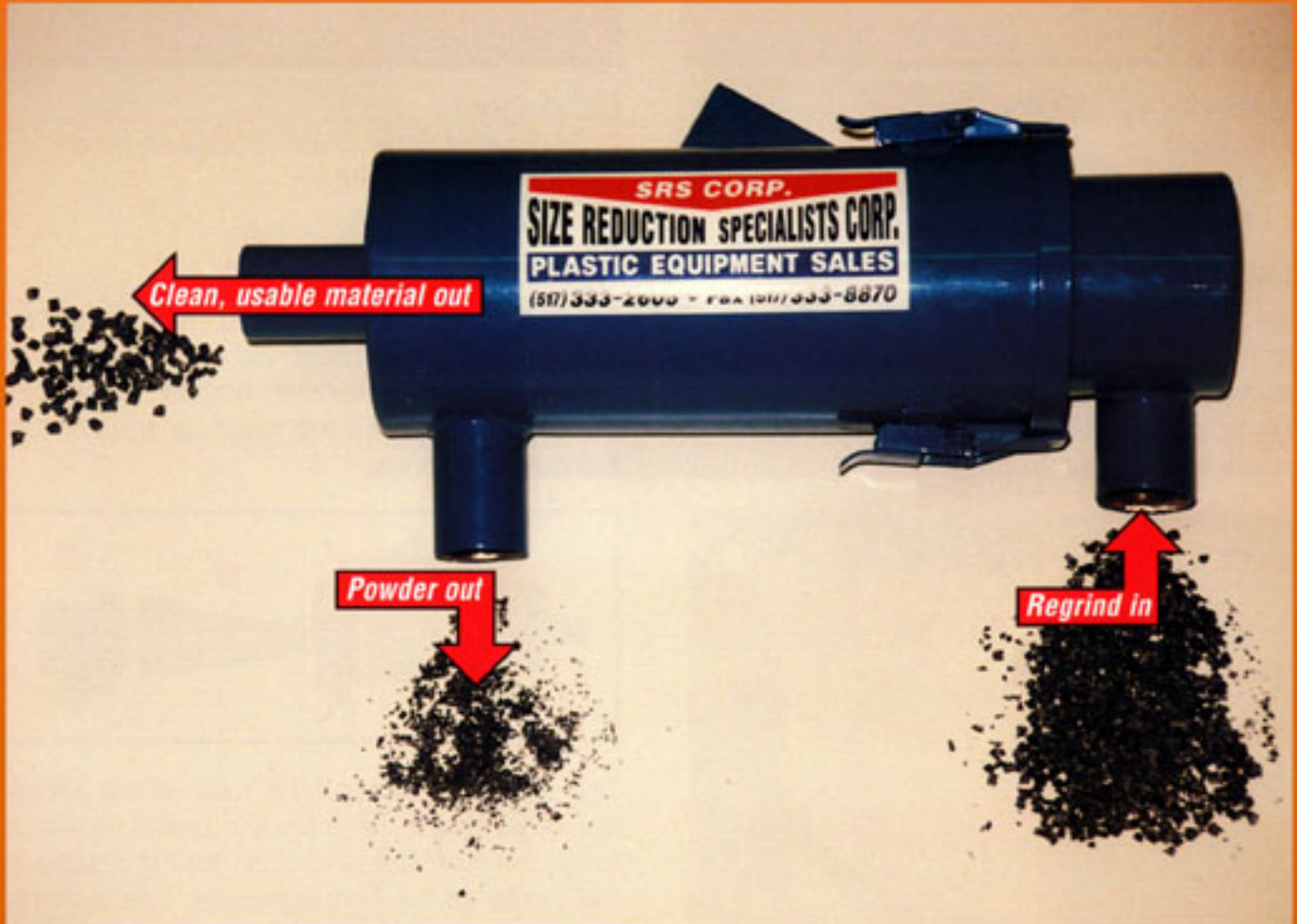


*New  
High Efficiency*

# **Cyclone Fine Separator**

**R E D E F I N I N G   S T A T E - O F - T H E - A R T**



Removes powder from granulated plastic materials like no other system on the market. Truly a unique product that outperforms those currently being used



**Remove Dust or Fines  
Generated During  
Granulating with the:**

# **Cyclone Fine / Dust Separator System**

This system works especially well on harder or filled resins that shatter during granulation causing fines (ex: liquid crystal polymer). This is also a great application for conventional blade grinders that create an excessive amount of dust and fines. The *Cyclone Fine Separator System* consists of a complete pellet mover system\* and a fine separator.

## **Pellet Mover System Components:**

- Material Accelerator
- Air Filter
- Adjustable Regulator with Pressure Gauge
- Timer

## **How The System Works:**

The accelerator operates at 60-90 PSI, drawing the material from the collector bin (granulator) and accelerating it to the fine separator. The timer is a preset, on/off device used to conserve shop air.

## **Fine Separator Components:**

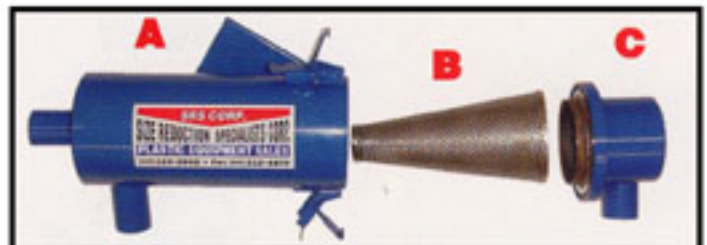
- Cylinder
- Perforated Filter Cone (Stainless Steel)
- Cap (Stainless Steel)
- Inlet/Outlet Tubes

## **How The Separator Works:**

The cylinder (A) houses the cone and has two outlet tubes. It should be mounted at an angle on the granulator hopper. The filter cone (B) separates the clean granules from the dust and fines.



*\* A ring compressor blower may be used in place of the pellet mover system.*



The cap (C) has an inlet tube which allows the regrind and air from the pellet mover to enter the cylinder and drop into the cone at the center of the fine separator. The cyclonic movement of the air forces the fines and dust through the cone's perforations to the outside walls of the cylinder. The fines and dust exit through an outlet tube for disposal and the clean regrind continues through the cone and exits at the bottom of the cylinder.



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