

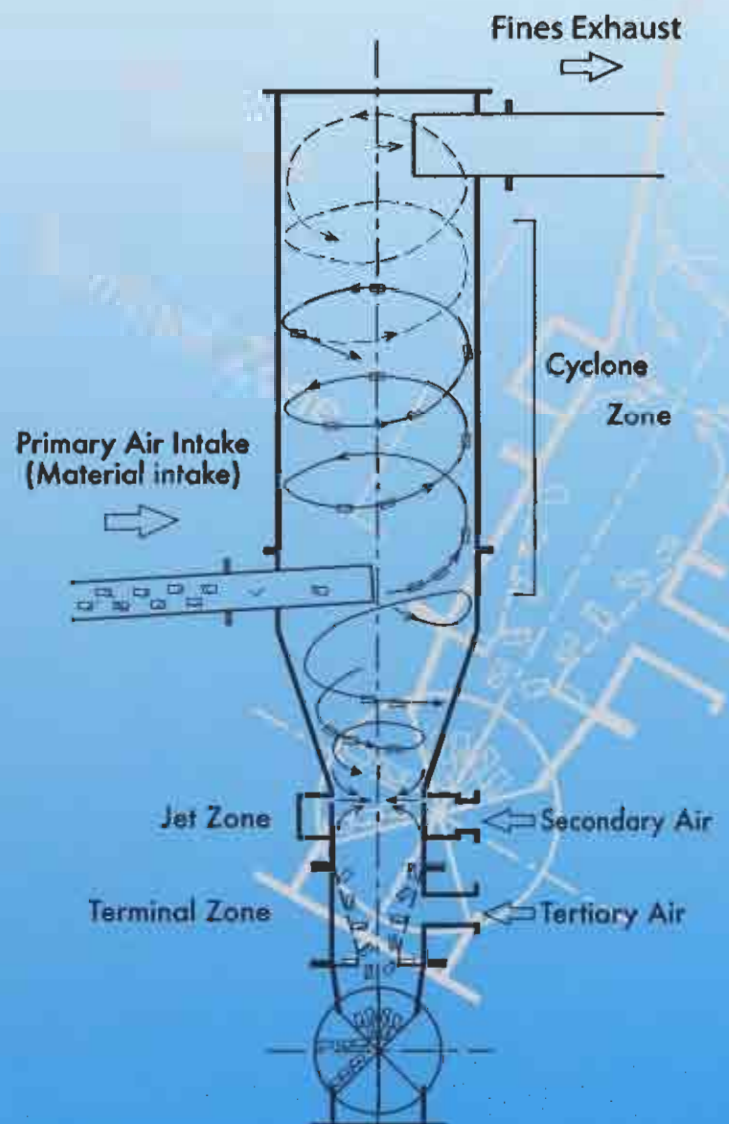


ACO

Aero CONcept

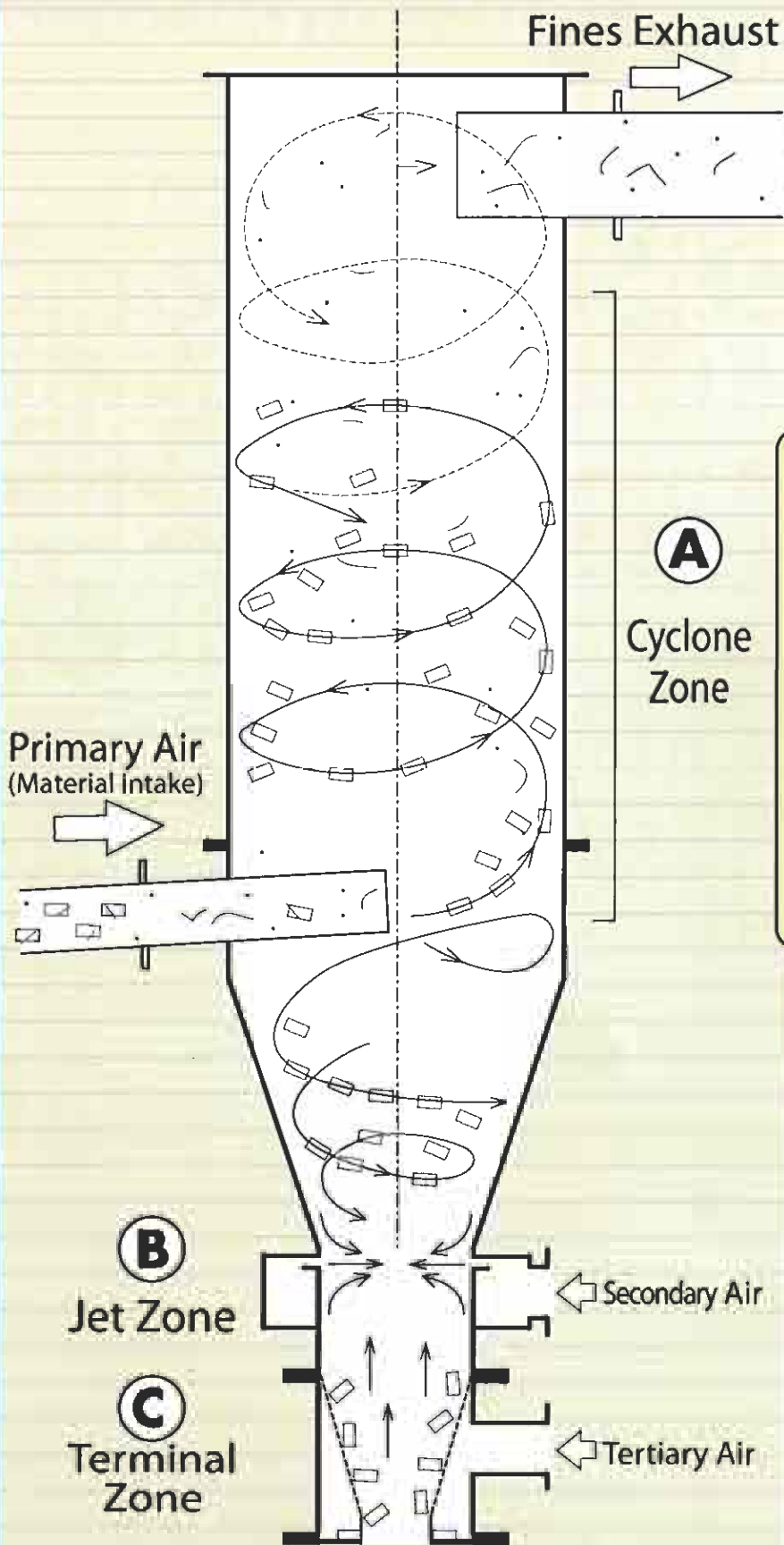
Pneumatic Dust Removal System ACO Jet Separator

- ◇ Plastic Pellets, Crushed Recycled Plastics
- ◇ Agricultural and Industrial Chemicals, Fertilizer Granules, Food products, Pharmaceuticals etc...



Pneumatic Dust Removal System

ACO Jet Separator



Features

- ☆ 99.9% removal of Ribbons
- ☆ Simple, compact, trouble-free design
- ☆ Everything inside the Separator can be seen
- ☆ No materials remain in the Deduster



Principle

- A** "Cyclone" Zone
Fines are separated by rising airflow. As pellets spiral upwards, they lose speed due to gravity and wall friction then finally begin swirling downward.
- B** "Jet" Zone
Fines still clinging to pellets due to static electricity are blasted off by secondary air jet inflow.
- C** "Terminal" Zone
Upward air flow blows any remaining fines back into the jet zone.

Applications

1. Fines and streamers removal from plastic pellets

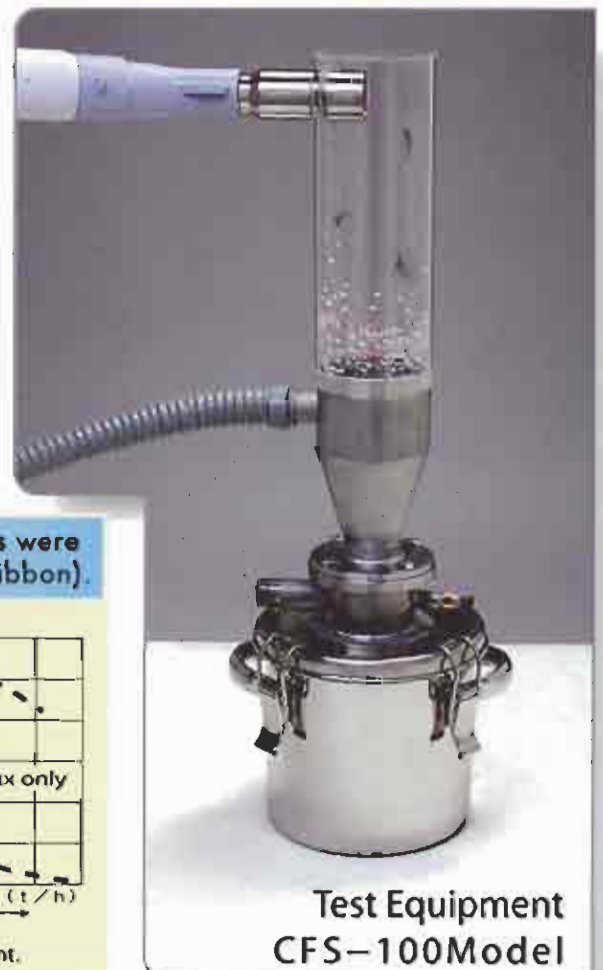
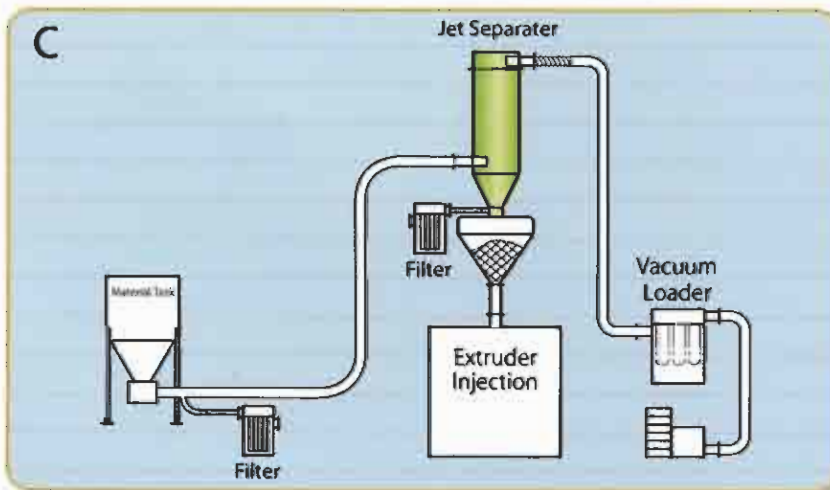
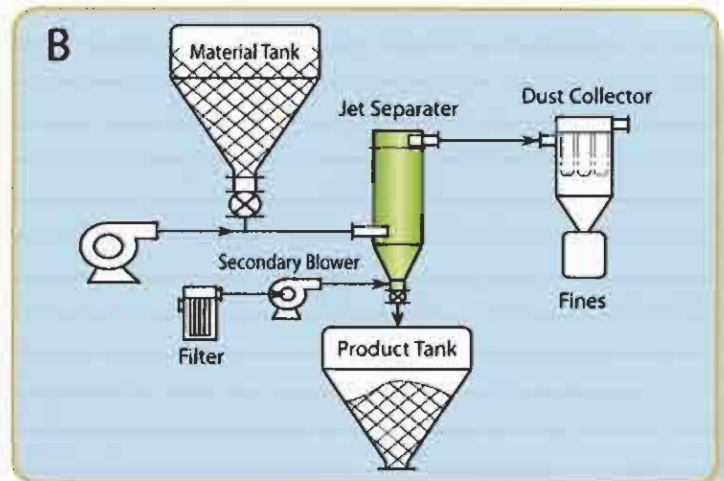
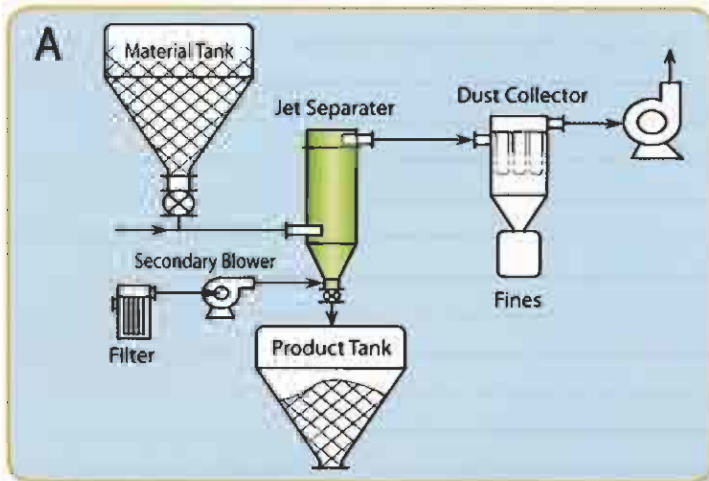
- During pneumatic conveying of plastic pellets, fines, streamers and fluff are created. Installation of an ACO Jet Separator at the terminus of the pellet conveyor pipe effectively removes 99% of all fines.

2. Dedusting

- Removal of dust from harvested grain products.
- Removal of fine powder from granules of agricultural chemicals.

3. Recycling

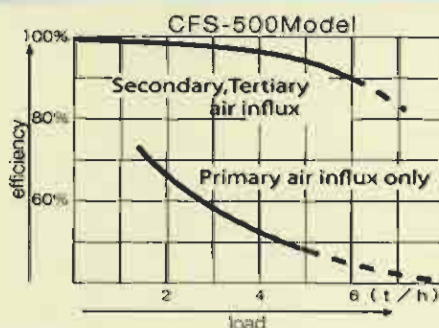
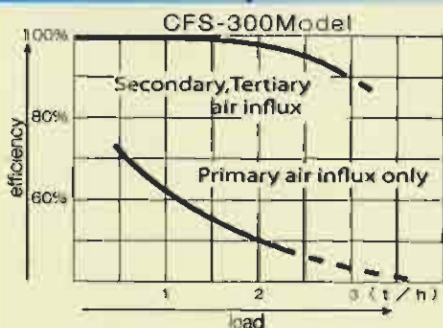
- Separation of useful materials from waste materials in recycling processes.
- Powder removal from crushed plastic of automotive parts.



Test Equipment
CFS-100 Model

Ribbon removal efficiency

Separation test where plastic pellets were mixed with extremely fine cut film (ribbon).



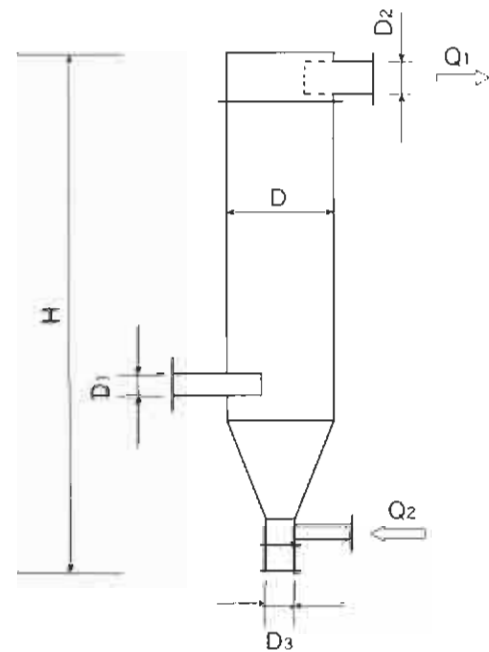
As shown in the graph above, ribbon removal efficiency decreases with load amount.

Processing ability and specifications

| Model | D | D1 | D2 | D3 | H (mm) | Q1 (m ³ /min) | Q2 (m ³ /min) | Processing Amount (kg/h) |
|------------|-------|-------------|-------------|--------------|-----------|-----------------------------|-----------------------------|-----------------------------|
| | | Intake Port | Exhaust Air | Exhaust Port | | | | |
| ● CFS-100 | φ 100 | 20A | 32A | 40A | 500 | 1.1 | 0.4 | 40 ~ 80 |
| ● CFS-150 | φ 165 | 32A | 50A | 65A | 700 | 2.6 | 1.0 | 250 ~ 500 |
| ● CFS-200 | φ 216 | 40A | 65A | 90A | 940 | 4.4 | 1.7 | 500 ~ 1000 |
| ● CFS-250 | φ 267 | 50A | 80A | 100A | 1110 | 6.6 | 2.6 | 700 ~ 1400 |
| ● CFS-300 | φ 319 | 65A | 100A | 125A | 1400 | 10 | 4 | 1150 ~ 2300 |
| ● CFS-350 | φ 350 | 65A | 130φ | 150A | 1580 | 12 | 4.8 | 1300 ~ 2600 |
| ● CFS-400 | φ 400 | 80A | 125A | 150A | 1730 | 16 | 6.4 | 1600 ~ 3200 |
| ● CFS-450 | φ 450 | 90A | 150A | 200A | 2000 | 20 | 8.0 | 2400 ~ 4800 |
| ● CFS-500 | φ 500 | 100A | 180φ | 200A | 2200 | 25 | 10 | 3000 ~ 6000 |
| ● CFS-600 | φ 600 | 125A | 200A | 230φ | 2650 | 36 | 14 | 4300 ~ 8600 |
| ● CFS-700 | φ 700 | 125A | 225A | 270φ | 3100 | 49 | 20 | 5.5t ~ 11t/h |
| ● CFS-800 | φ 800 | 150A | 280φ | 310φ | 3500 | 64 | 25 | 7.5t ~ 15t/h |
| ● CFS-900 | φ 900 | 175A | 300A | 350φ | 4000 | 81 | 32 | 9.5t ~ 19t/h |
| ● CFS-1000 | φ1000 | 200A | 350A | 390φ | 4400 | 100 | 40 | 11t ~ 22t/h |
| ● CFS-1100 | φ1100 | 200A | 380φ | 430φ | 4800 | 121 | 48 | 14t ~ 28t/h |
| ● CFS-1200 | φ1200 | 225A | 420φ | 470φ | 5300 | 144 | 57 | 17t ~ 34t/h |

Test Equipment

Machine efficiency confirmation can be done using ● mark models.



ACO CO., LTD.

HEAD OFFICE : 1-1-40 Imagawa, Urayasu City, Chiba Japan 279-0022
 OSAKA BRANCH : 3-24-1-501 Tarumicho, Suita City, Osaka Japan 564-0062
 E-mail : info@acokk.co.jp http : //www.acokk.co.jp