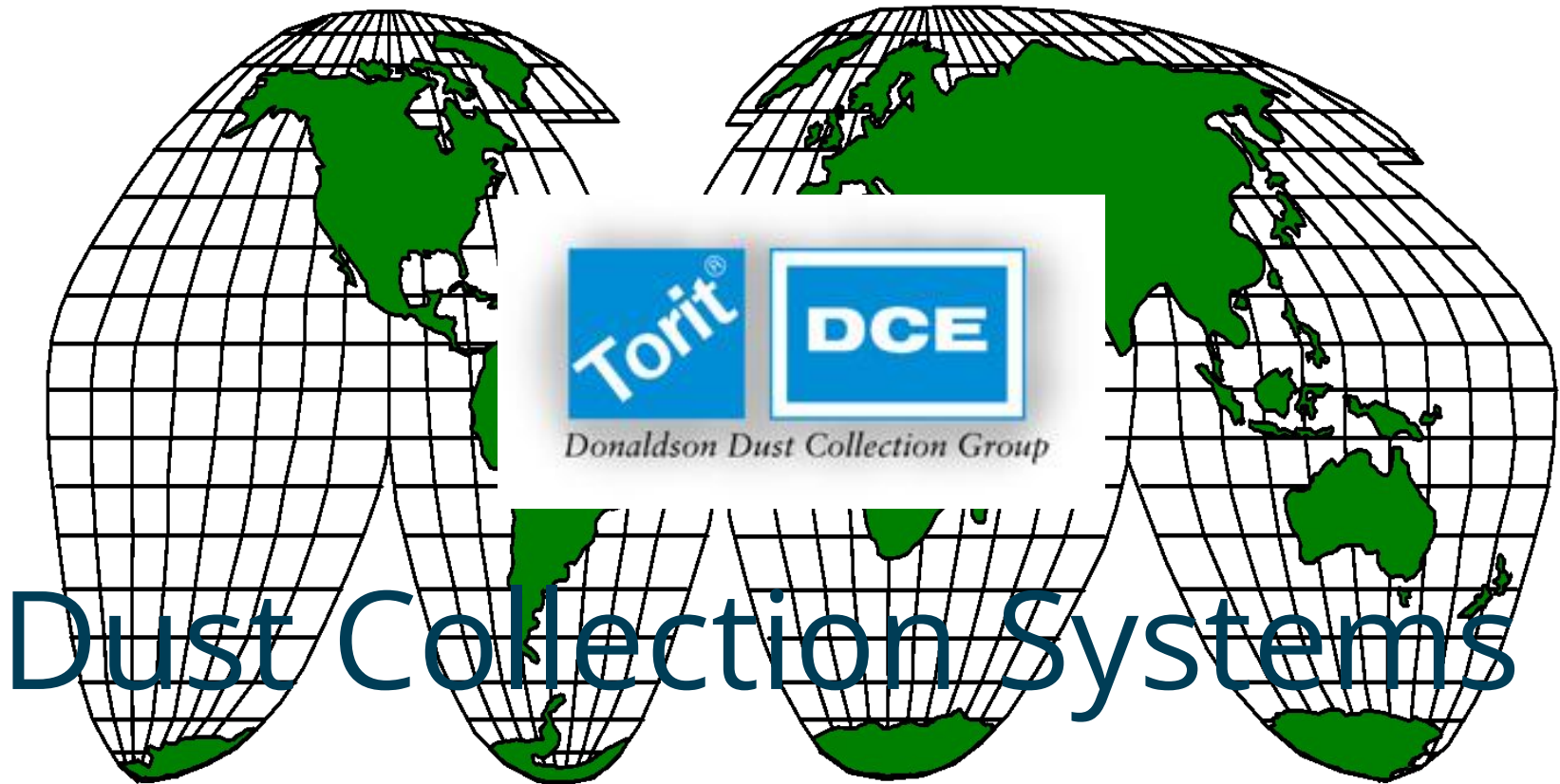




Donaldson®

# Donaldson IASG





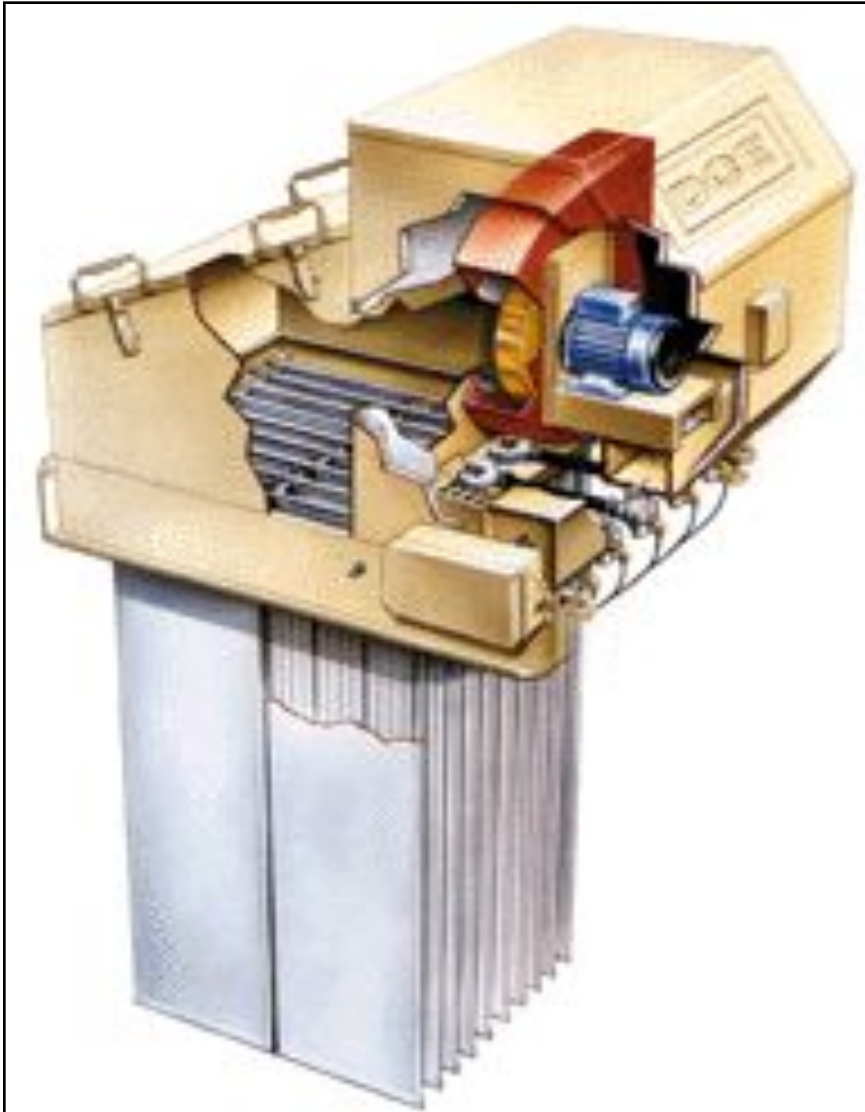
Donaldson®

# Insertable Dust Collection Filters

# Dalumatic Reverse Jet Fabric Filters



# Dalumatic Insertable Filter



# Which Industries ?

All bulk handling industries

Cement Minerals

Processing Aggregates

Iron & Steel Glass

Agro-food Power generation

# Which Applications ?

Conveyor Transfers

Air Slides

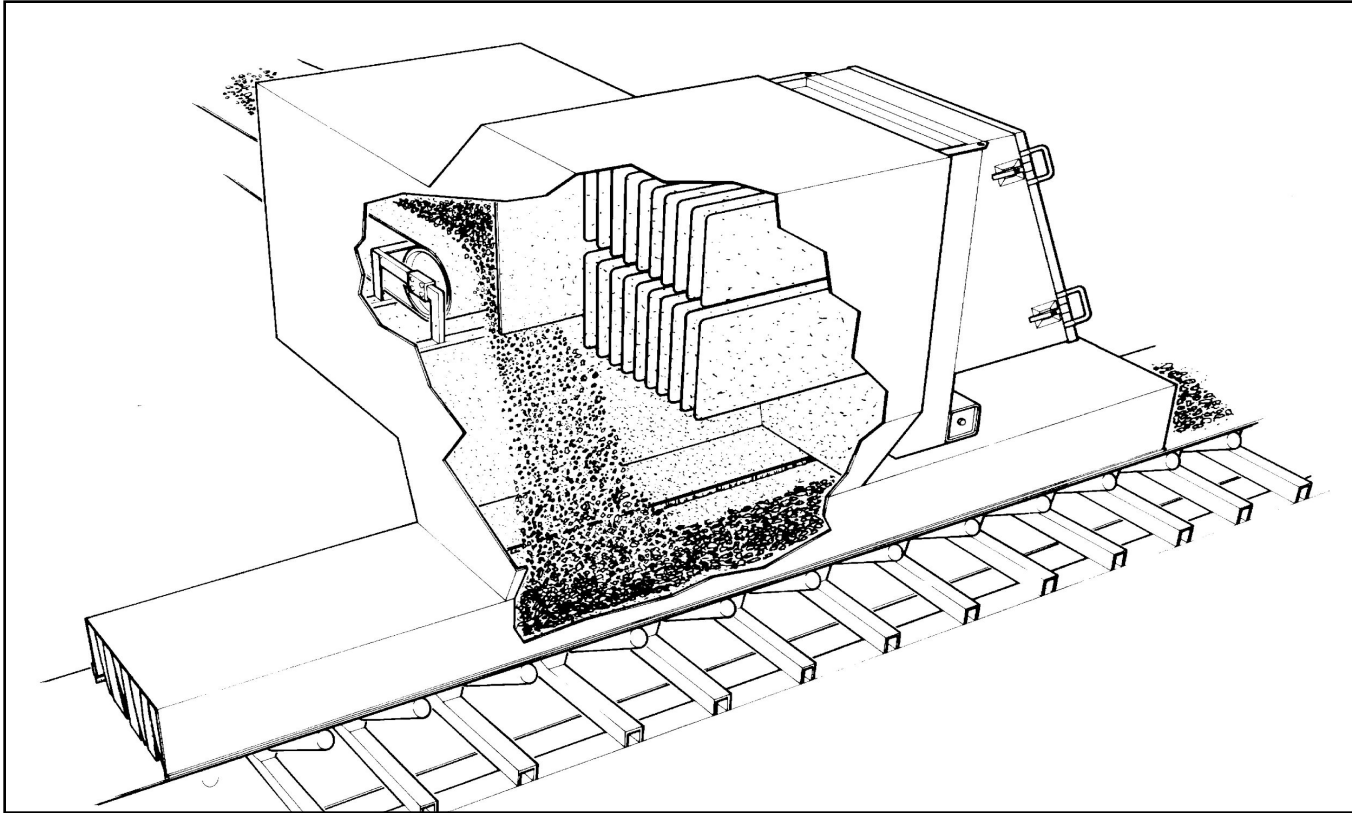
Elevators

Silos

Unloading Hoppers



# Conveyor Transfer



*Dalamatic Insertable DLM V20/10 F6  
on Conveyor Transfer Point*



# Air Slide



Application: Raw meal air slide  
Material: Raw meal.  
Type: DLM V 18/15 H.

# Elevator Venting



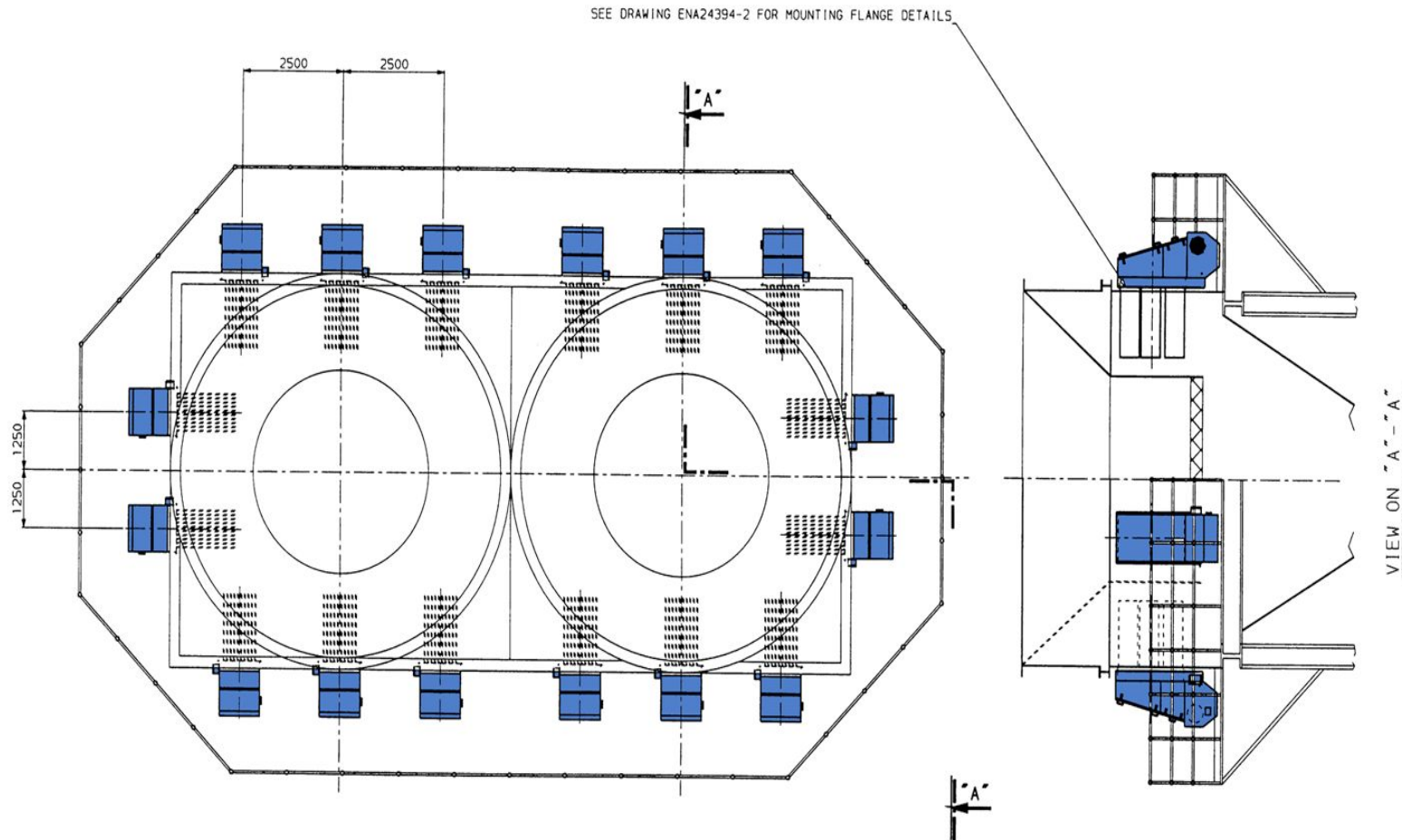
# Silo Venting



Application: Fly ash silo for power plant.  
Material: Fly ash.  
Type: DLM V 18/15 K7.



# Ship Unloading Hopper



\*

# Why Insertable Filters ?

## Benefits

- ▣ Engineering
- ▣ Maintenance
- ▣ Financial

# Why Insertable Filters ?

## Engineering

- The collected dust product is ‘pulsed’ directly back to the process.
- No ductwork to engineer.
- No additional materials handling equipment.
- Integrated dust collector systems.

# Why Insertable Filters ?

Engineering cont.....

- Supplementary exhaust for an existing centralised system.



# Why Insertable Filters ?

## Maintenance

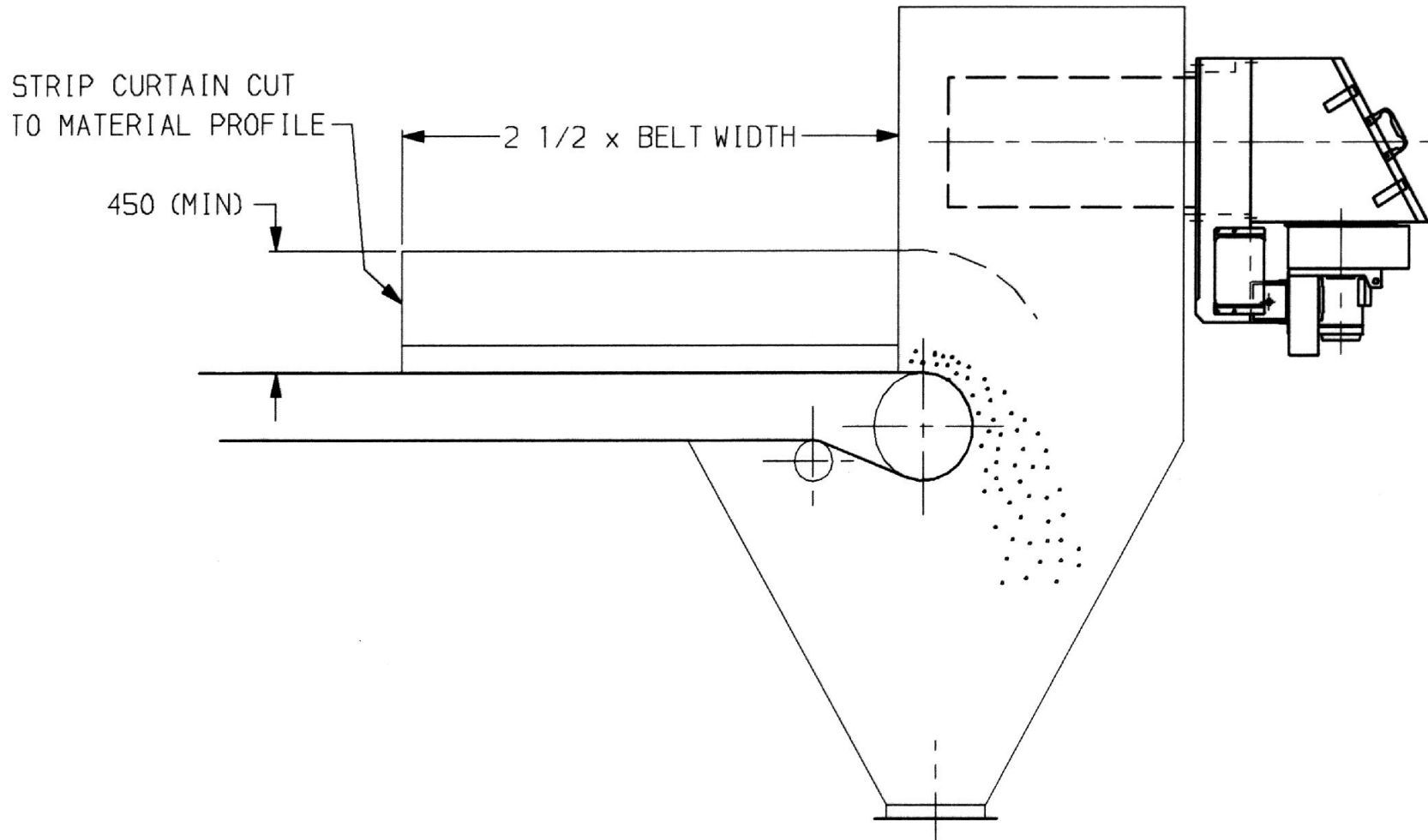
- No plant shutdown for maintenance.
- Spread maintenance operation and cost over a period of time.
- No ductwork to maintain.
- No additional materials handling equipment to maintain.

# Why Insertable Filters ?

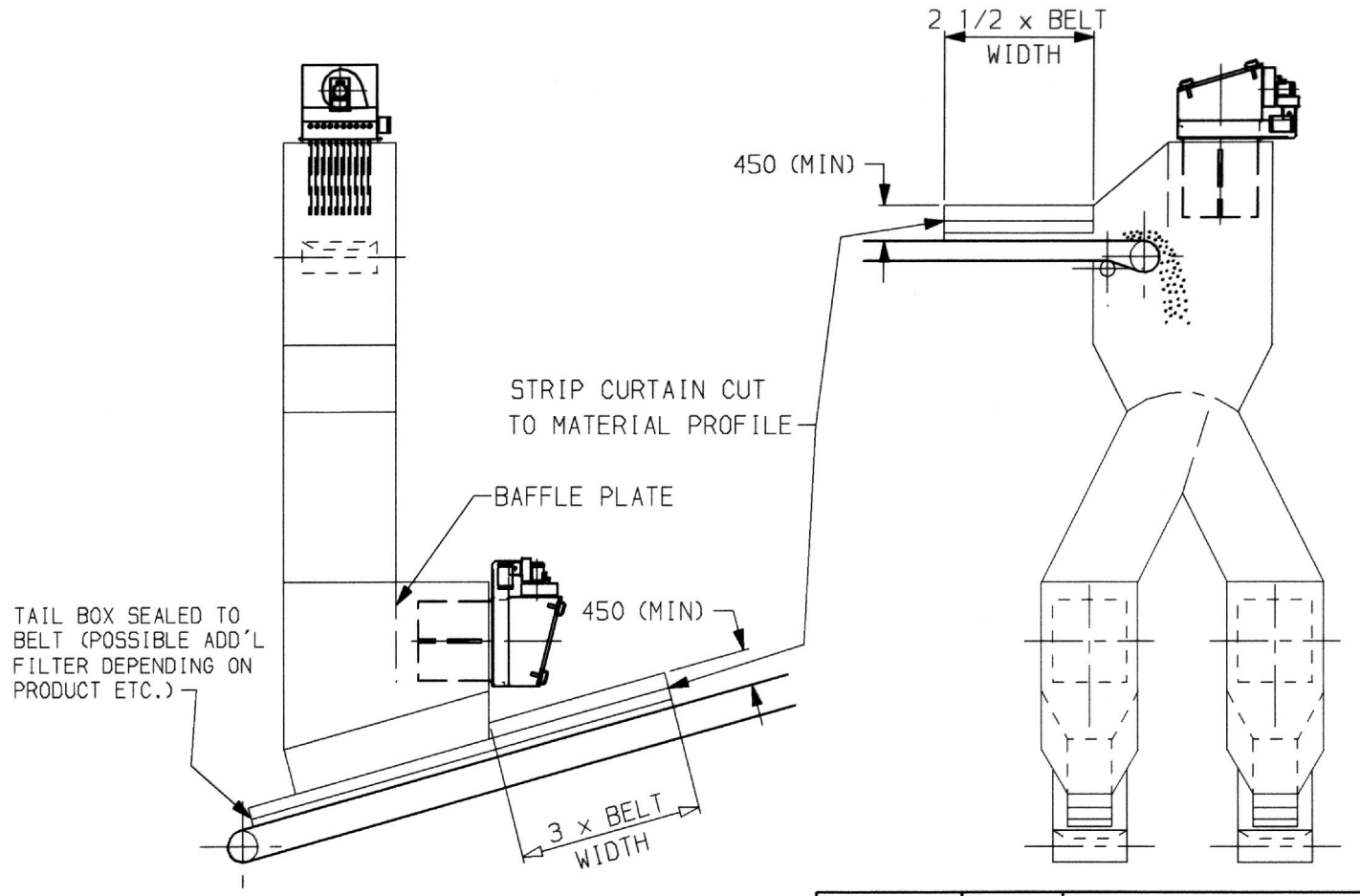
## Finance

- Spread the cost of capital investment over a period of time.
- No ductwork to buy and maintain.
- No additional materials handling equipment to buy and maintain.

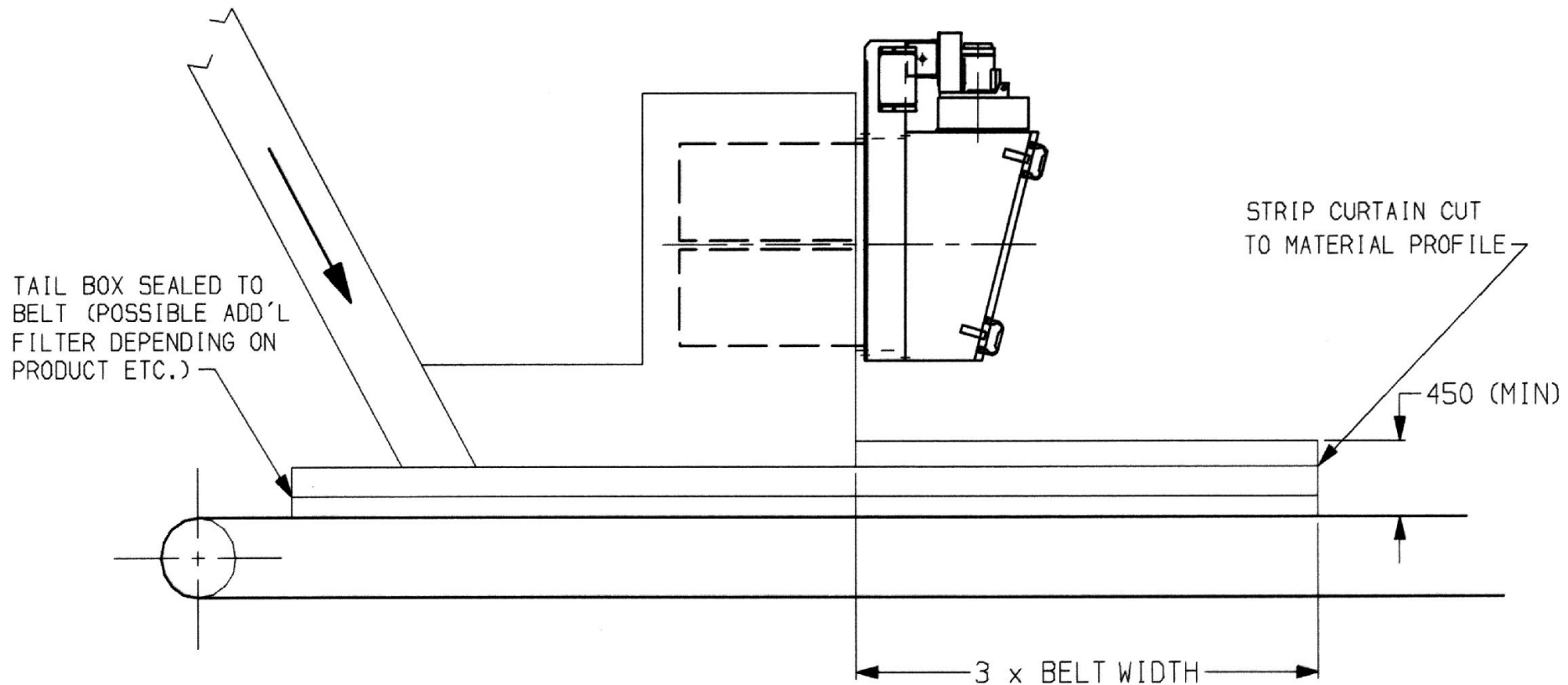
# Conveyor Discharge



# Conveyor Transfer



# Chute Discharge to Conveyor



# DLM V at TR-4 Mersin Glass



Crusher  
Discharge  
on to Belt  
Conveyor



# DLM V - Conveyor Transfer



Application: Transfer point of conveyor.  
Material: Clay/Sand.  
Belt width: 900mm.  
Type: DLM V 30/10 K10



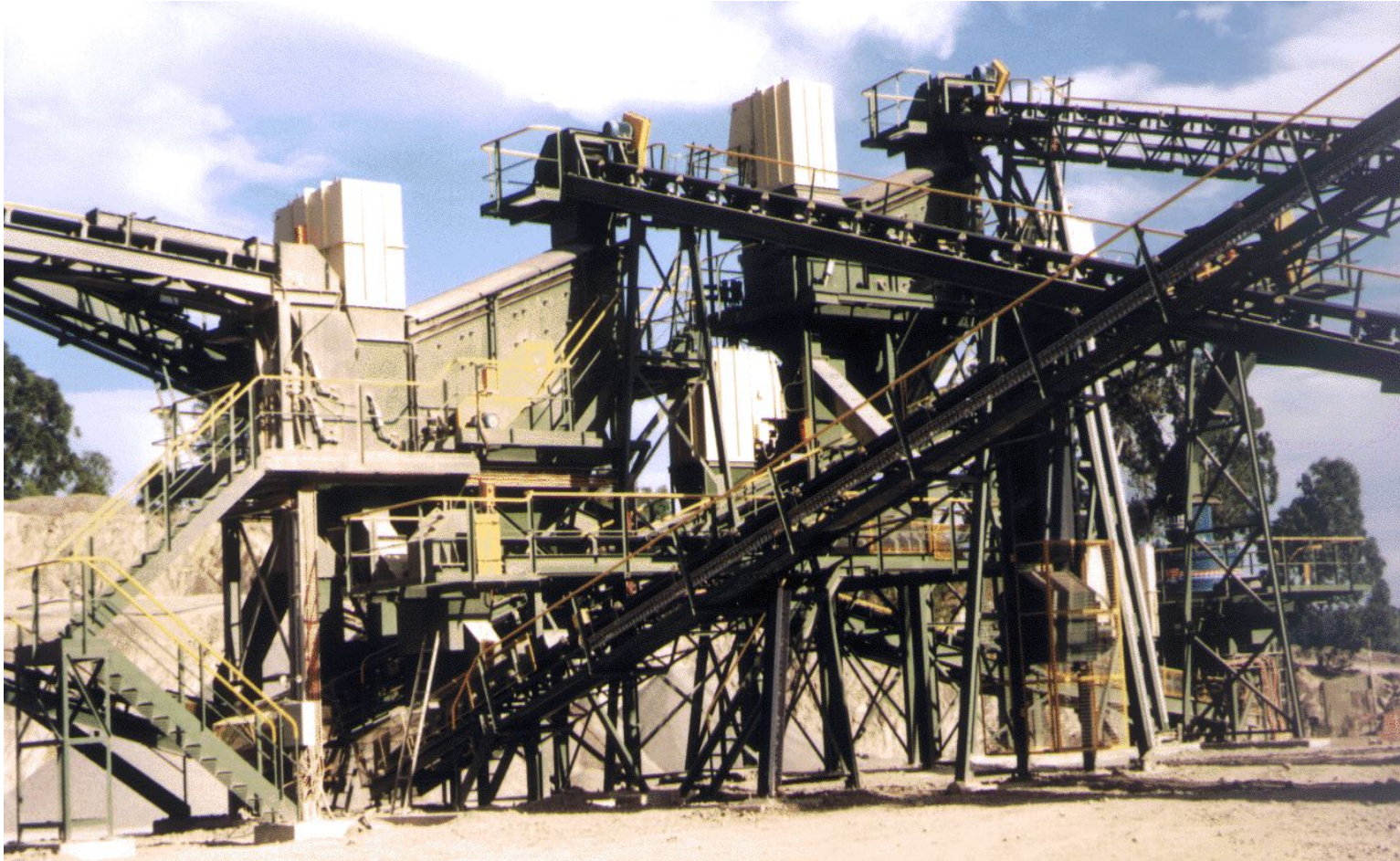
# DLM V - Conveyor Discharge



Application: Transfer point of conveyor.  
Material: Clay / Sand.  
Belt width: 900 mm  
Type: DLM V 30/10 K10



# DLM V - Flat Deck Screens



# Air Slide Venting



\*



# Dalamatic Insertable and Unit on Cement Silo and Truck Filling



# DLM V – Ship Unloading





# DLM V – Ship Unloading



# Other Applications

Truck Tipping Enclosures

Mills

Screens

Others ?



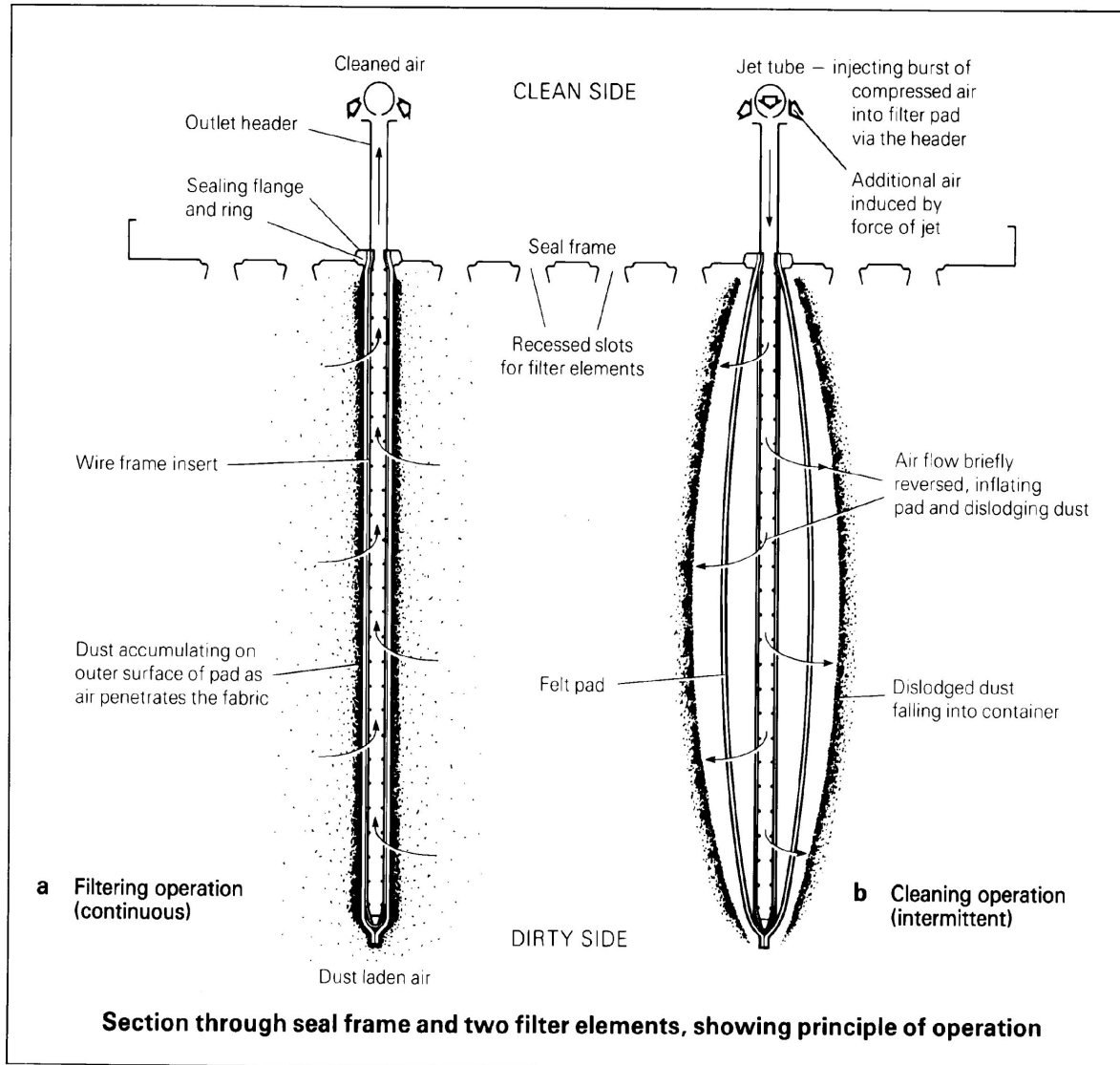
# Truck Tipping Enclosure



# DLM V - Cement Mill



# Section through seal frame and two filter elements, showing principle of operation



# Dalomatic Insertable Design Features

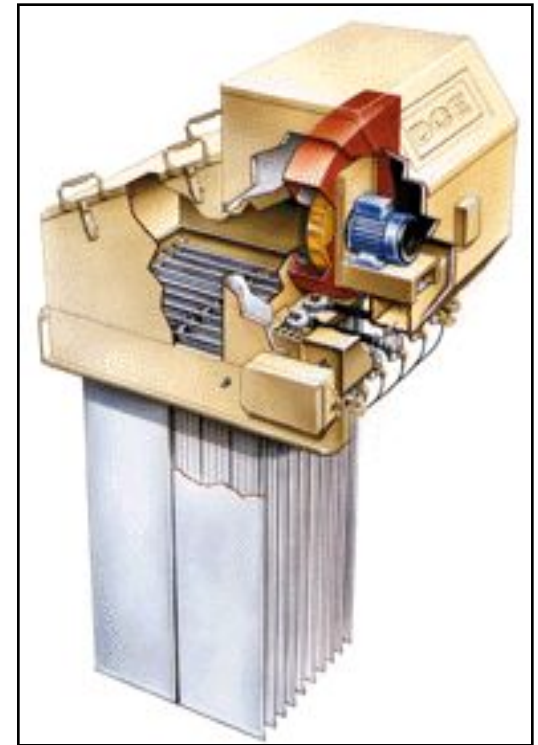
- **Horizontal or Vertical Installation**
- **Flat pad filter elements**
  - minimum space requirement
  - maximum rigidity
  - clear passage for pulsed dust
- **Integral fan and silencer option**

# Dalamatic Insertable Design Features

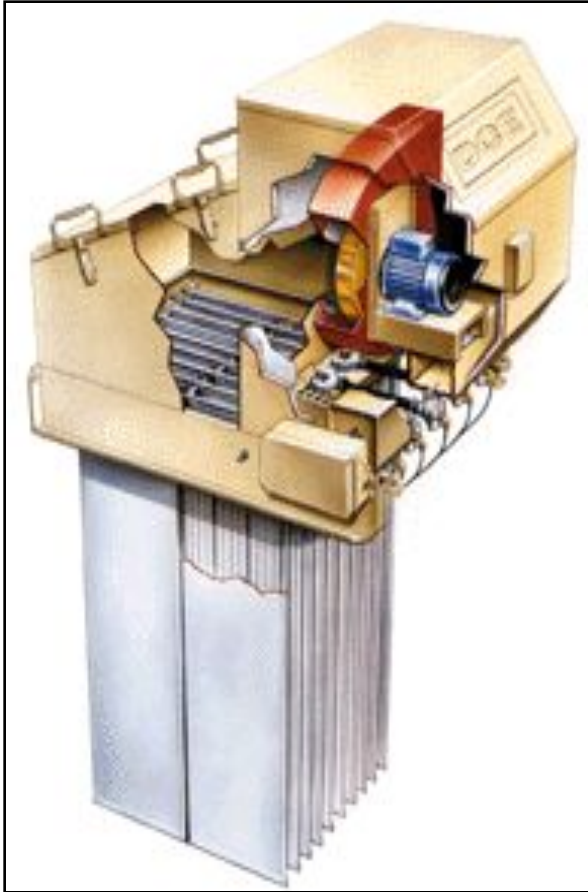
- **Alternative standard model configurations**
- **Suitable for varied process applications**
  - **High Temperature**
  - **Pressure**
  - **Hazardous**
- **Optional stainless steel materials of construction**



# Dalumatic Insertable Options



# Summary



- h Reduce and spread the cost of capital investment**
- h Simplify engineering and reduce installation costs**
- h Reduce and spread maintenance operations**
- h Proven solutions to dust control problems with world-wide references**