



FILTRATION SOLUTIONS FOR THE WASTE HANDLING INDUSTRY



Tailor-made System Solutions

Competent in the Waste Handling Industry

Donaldson offers the waste handling industry a wide product range of efficient and innovative filtration solutions for dust collection and flue gas cleaning. The certified units guarantee highest operational safety and stand out due to:

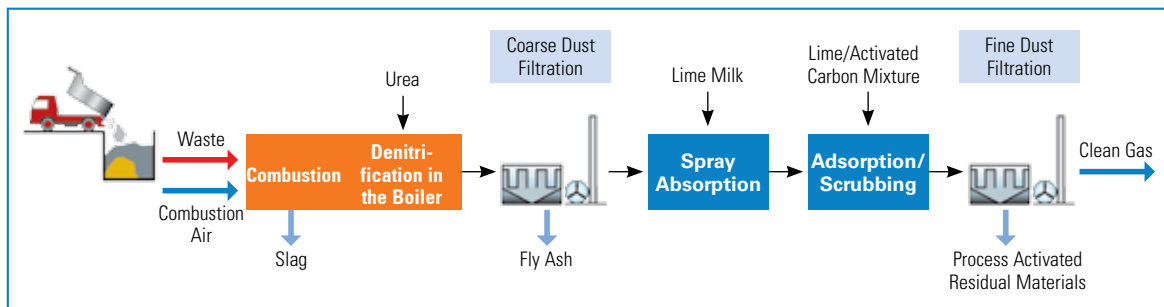
- Lower energy consumption and hence reduction of CO₂ emissions
- Longer filter life
- Ease of maintenance
- Efficient cleaning systems
- ATEX-compliant solutions

Our Services:

- Competent on-site-consulting and planning with more than 90 years of experience
- Concept and project management
- Dimensioning of the plant components
- Application-oriented plant engineering
- Filter media manufacturer
- Delivery and assembly
- Commissioning
- Area-wide service and maintenance
- Complete spare part supply

Thermal Waste Handling

Principle of Waste Incineration

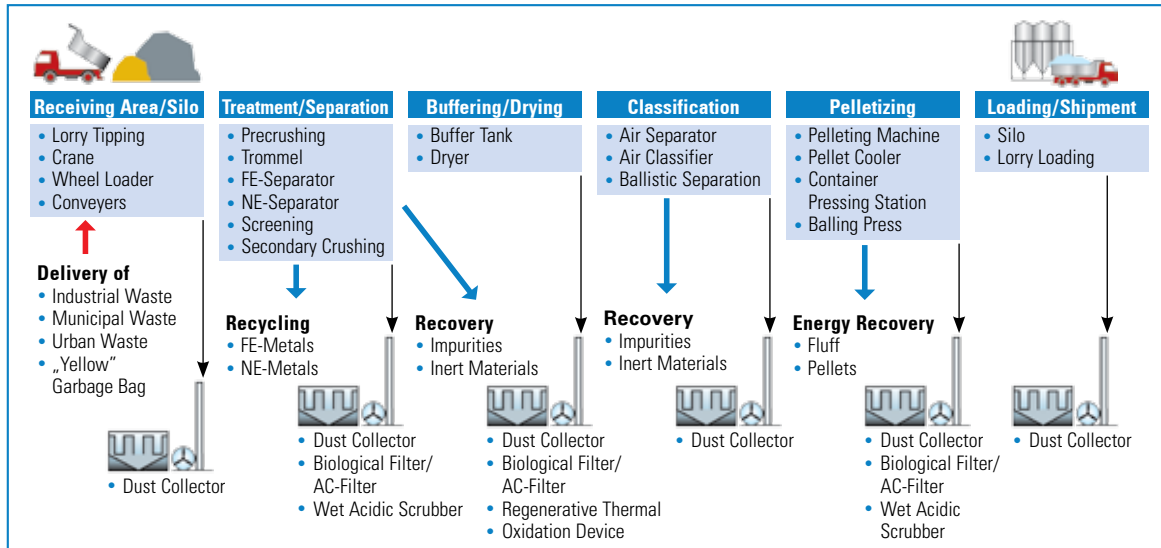


The product portfolio for thermal waste handling guarantees a reliable treatment of the flue gases to pure clean gas.

Dust	Application	Contaminants to Separate	Donaldson Unit	Donaldson Filter Media
Flue Gas Cleaning	Bag Filter	Coarse Dust Particles	Dalamatic® DLMC Modular Baghouse	PTFE Dralon
Separation of Particles	Absorptiomer (Bag Filter)	Heavy Metal Compounds, Organic Flue Gas Components, Fine Dust	Dalamatic® DLMC Modular Baghouse	Tetratex® PTFE Glas Fibres
Material Handling	Feeders, Conveyers	Dust	PowerCore® CPC PowerCore® CPV Dalamatic® DLMV	Ultra-Web® PE-N

Mechanical Waste Handling

Principle of mechanical Waste Handling



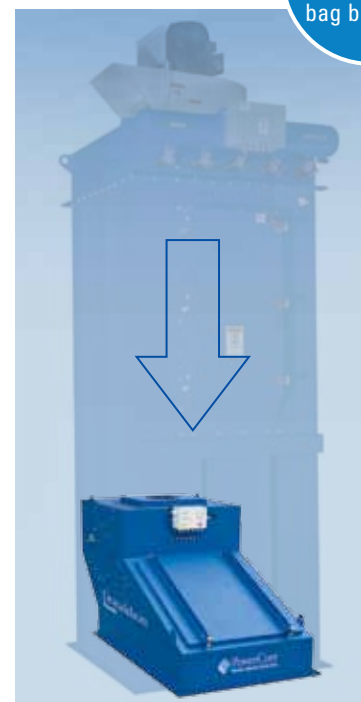
Efficient Dedusting Technology

An essential emission of mechanical waste handling is dust. The dust is produced at the different processing stations like the separation or classification. Donaldson dust collectors retain the dust

reliable and provide an efficient cleaning of the filter systems, so that the dust can be re-fed into the waste treatment process for further processing or can be disposed separately.

Dust	Application	Dust Load (g/m ³)	Donaldson Unit	Donaldson Filter Media
Unsorted Waste	Receiving Area, Silo	< 10	Dalamatic® DLMC Modular Baghouse	Dura-Life® PE-N
Separated Waste	Crusher, Sieves, Screens	10...20	Dalamatic® DLMC Modular Baghouse	Dura-Life® PE-N Tetratex®
	Feeders, Conveyers	< 10	PowerCore® CPC PowerCore® CPV Dalamatic® DLMV	Ultra Web® PE-N
Dried Waste	Dryer	Up to 30 (before Cyclone)	Dalamatic® DLMC Modular Baghouse	Tetratex® PTFE
Classified Waste	Separator, Air Classifier	5...20	Dalamatic® DLMC	Dura-Life®
	Optical Separator	< 10	PowerCore® CPC PowerCore® CPV Downflo® Oval	Ultra Web®
Treated Waste	Pellet Press, Fluff Press	< 10	PowerCore® CPC Dalamatic® DLMC Modular Baghouse	Ultra Web® Tetratex® Dura-Life®
Stored Waste	Silo, Bin	< 10	PowerCore® CPC PowerCore® CPV Dalamatic® DLMV Downflo® Oval	Ultra Web® Dura-Life®

Up to 70% smaller than traditional bag bin vents



PowerCore® CPV Dust Collector

Superior Technologies

Unrivalled Performance!

With innovative technologies like the new PowerCore® dust collectors and highly efficient filter media like Ultra-Web® and Dura-Life®, Donaldson sets the benchmark in air pollution control.

Donaldson units and filter media comply with highest quality standards and are more cost-efficient than conventional products.



ULTRA-WEB®

Donaldson
Torit® DCE®

Dust and Fume Removal · Oil Mist Separation



Donaldson
FILTRATION SOLUTIONS

Total Filtration Management

Donaldson offers a wide variety of solutions to reduce your energy costs, improve your productivity, guarantee production quality and help protect the environment.

Total Filtration Service

A comprehensive range of services especially designed to keep your production at peak performance and at the lowest total cost of ownership.

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