

HUMDINGER

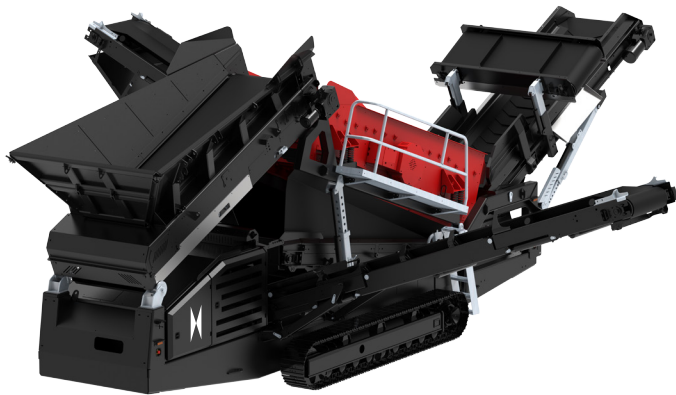
SEPARATION SYSTEMS

Built for Harsh Conditions & Marterials

Heavy-Duty Waste & Recycling
Equipment Offered In Tracked,
Wheeled, or Stationary Setups
and In Diesel or Electric
Configurations



Separates Waste Into 3 Different Sizes



RECYCLING SCREEN

Hybrid Tracked Recycling **Screen** with **Flip Flow** Bottom Screen Deck.

- Separate your waste, by **size**, into 2 or 3 sizes.
- Top deck screen media is designed to **prevent snagging** and **contamination** of mid size product by **long pieces**.
- **Polyurethane flip flow mats** in bottom deck allow **screening to small sizes**.
- **Dual power ready** – Connect directly to the mains supply energy.
- Simple & Intuitive Control.

Specifications	
Operating Weight	66,139 lbs (30,000 kgs)
Transport Length	52 ft 6 in (16 m)
Transport Width	9 ft 10 in (3 m)
Transport Height	10 ft 6 in (3.2 m)
Working Width	45 ft 11 in (14 m)
Working Length	47 ft 11 in (14.6 m)
Working Height	10 ft 6 in (3.2 m)
Engine	Dual Power 60Kva Generator, 30kW Hydraulic Powerpak
Feed & Conveyor Hopper	4 Ft 3 In (1,300 mm) Chevron, Dual Drive, VSD
Recycling Screen	16 ft 5 in X 4 ft 7 in (5,000mm X 1,400 mm)
Top Deck Media	3D Honey Comb
Bottom Deck Media	Polyurethane Flip Flow Mats
Collection Conveyor	3 ft 11 in (1,200 mm) Plain
Fines Conveyor	2 ft 11 in (900 mm) Plain, VSD
Mid Size Conveyor	2 ft 11 in (900 mm) Chevron, VSD
Oversize Conveyor	3 ft 11 in (1,200 mm) Chevron, VSD
Options	
Engine	Doosan Stage 5 (No AdBlue)
Radio Control	Radio Control
Quarry	Quarry Screen Box
Air	Suction System 30 kW External Power Source Req.
Magnet	Cross Belt Magnet on Oversize Conveyor, 450 Gauss @ 300 mm
Magnet	Drum Magnet on Fines Conveyor
Magnet	Drum Magnet on Mid Size Conveyor
Feeder	Apron Feeder
PAS	Positive Air Pressure System for Control Panel
Wash	Washing System

Applications

Construction & Demolition
Residual Waste
MSW / Household Waste
Aggregates
Incinerator Bottom Ash

Refuse Derived Fuel
Paper / Cardboard
Metals
Plastics
Compost
Biomass
Co-Mingled

Tires
Green Waste
Auto Waste
Soil Remediation
Glass
Landfill Mining
Textiles

Designed For Heavy Density Waste



TROMMEL SCREEN

Hybrid Heavy Duty Track Trommel Screen Designed For **Heavy** Density Waste.

- Screen and separate material by 2 or 3 **sizes**.
- Can be used on its own or in conjunction with other separating machines to create a total solution.
- Mobility = Versatility.
- **Hybrid dual power** is an easy setup and ensures a low cost of total ownership.

Specifications	625M
Operating Weight	66,139 lbs (30,000 kgs)
Transport Length	59 ft 1 in (18 m)
Transport Width	9 ft 10 in (3 m)
Transport Height	12 ft 6 in (3.8 m)
Working Width	9 ft 10 in (3 m)
Working Length	48 ft 7 in (14.8 m)
Working Height	12 ft 6 in (3.8 m)
Drive	4 x Nord 5.5 Kw Electric Drives (4WD)
Trommel Size	10 ft 6 in X 30 ft 5 in (3,200 mm X 9,270 mm)
Screening Size	8 ft 2 in X 19 ft 8 in (2,500 mm X 6,000 mm)
Screening Area	47.1m ²
Specifications	825M
Operating Weight	66,139 lbs (30,000 kgs)
Transport Length	59 ft 1 in (18 m)
Transport Width	9 ft 10 in (3 m)
Transport Height	12 ft 6 in (3.8 m)
Working Width	9 ft 10 in (3 m)
Working Length	48 ft 7 in (14.8 m)
Working Height	12 ft 6 in (3.8 m)
Drive	4 x Nord 5.5 Kw Electric Drives (4WD)
Trommel Size	10 ft 6 in X 37 ft 10 in (3,200 mm X 11,520 mm)
Screening Size	8 ft 2 in X 26 ft 3 in (2,500 mm X 8,000 mm)
Screening Area	62.8m ²

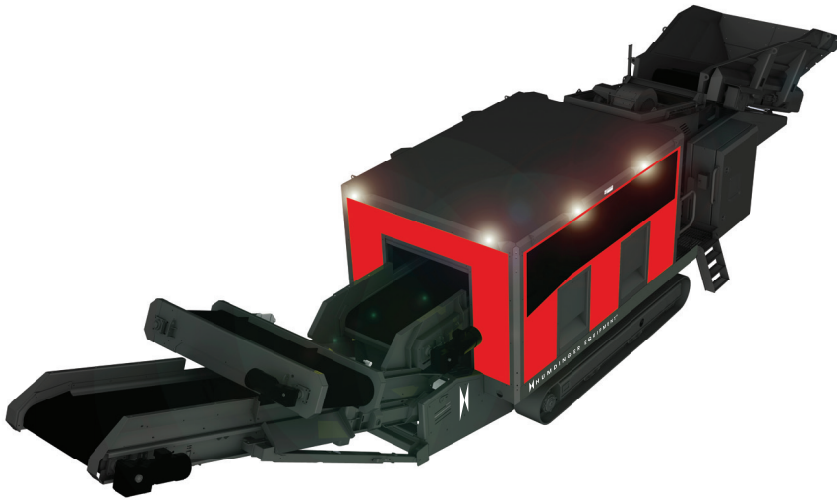
Applications

Aggregates
Commerical & Industrial
MSW / Household Waste
Biomass
Compost

Mulch
Green Waste
Construction & Demolition
Incinerator Bottom Ash
Refuse Derived Fuel
Soil Remdiation
Solid Recoverd Fuel

Landfill Mining
Tires
Plastics
Glass
Metals
Auto Waste

Streamline Workflow & Boost Productivity



PICKING STATION

Hybrid 2 Bay Track Picking Station with Feeder, Air Separator, Picking Belt, Magnet & Discharge Conveyor.

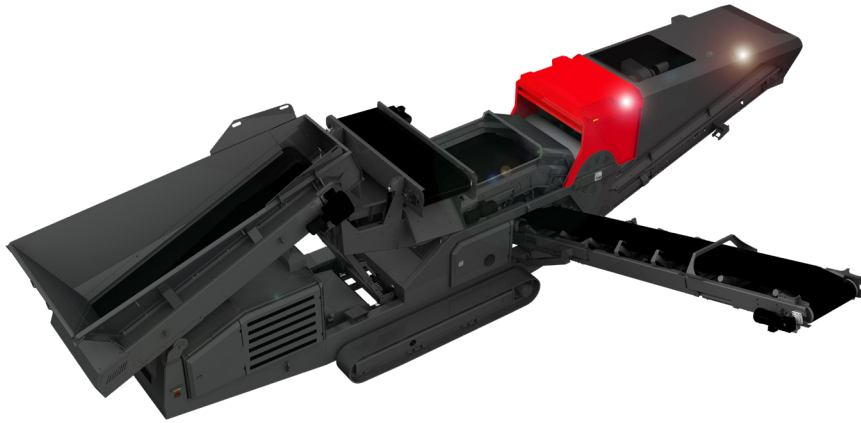
- Keep your employees **safe**.
- **Mobility** is important - Short term projects.
- **Quality control** of material to enable the material to meet product specification.
- **Decontamination** of a product to enable the product to qualify for **lower disposal charges**.

Specifications	2 Bay
Operating Weight	44,092 lbs (20,000 kgs)
Transport Length	49 ft 3 in (15 m)
Transport Width	9 ft 10 in (3 m)
Transport Height	10 ft 2 in (3.1 m)
Working Width	9 ft 10 in (3 m)
Working Length	49 ft 3 in (15 m)
Working Height	10 ft 2 in (3.1 m)
Powerpack	Dual Power, Hydraulic, Touch Screen HMI
Feed & Conveyor Hopper	3 ft 11 in (1,200 mm) Chevron, VSD
Air Separator	14KW, Hydraulic Adjustment In and Out of Hydraulic Line, VSD
Picking Cabin	Metal Construction, 4 Side Drop Chutes Inside
Picking Cabin Size	2 Bay (Included In Specs) Also Available In 3 Bay
Magnet	Overband
Chasis	Tracks (Listed Specs) Also Available In Wheels or Stationary

Applications

Construction & Demolition	Compost / Green Waste	Auto Waste
Aggregates	Fines Treatment	Soil Remediation
Biomass	Incinerator Bottom Ash	Refuse Derived Fuel
Co-Mingled	Landfill Mining	Solid Recovered Fuel
Commerical & Industrial	Plastics	Paper / Carboard
	Metals	Electronics
	Glass	

Efficient, Quick, & Precise Waste Separation



AIR SEPARATOR

Hybrid Single Drum Air Density Separator.

- **Improve** product quality.
- Remove unwanted heavy materials.
- **Prevent damage** to your shredder and **reduce downtime**.
- **Promotes energy savings** by optimizing material flow and reducing load on your conveying system.

Specifications	
Operating Weight	55,116 lbs (25,000 kgs)
Transport Length	50 ft 10 in (15.5 m)
Transport Width	9 ft 6 in (8.3 m)
Transport Height	10 ft 6 in (3.2 m)
Working Width	27 ft 3 in (8.3 m)
Working Length	50 ft 2 in (15.3 m)
Working Height	10 ft 6 in (3.2 m)
Powerpak	Dual Power, 66Kva Generator, 30kw Hydraulic Powerpack
Feed Conveyor & Hopper	4 ft 3 in (1,300 mm), Chevron, Dual Drive, VSD, Folding Back Plate
Vibrating Feeder	4 ft 7 in (1,400 mm) Stainless Steel, Hyd Angle Adjustment, Wear Plates, VSD
Magnet	Overband Magnet, 12 in (300 mm) Working Gap, Bi-directional, Hydraulic Height Adjustment
Accelerator Belt	Adjustable In & Out, Adjustable Up & Down, Impact Bars, Plain Belt, VSD
Air Separation Module	2 X 11kw Blowers, Adjustable Nozzle, VSD
Splitter Drum	2 ft 4 in (700 mm) Dia Splitter Drum, Variable Speed From HMI
Decompression Chamber	18KW, VSD
Lights Conveyor	Belt Type: Plain
Heavy Fraction Conveyor	Impact Bars, Hydraulic Folding, LH or RH, VSD
Automation & Control	Touch Screen HMI

Applications

Aggregates

Commerical & Industrial

Compost

Green Waste

Co-Mingled

Fines Treatment

Construction & Demolition

Incinerator Bottom Ash

Landfill Mining

Refuse Derived Fuel

Solid Recoverd Fuel

MSW / Household Waste

Plastics

Glass

Metals

Foam

Paper / Cardboard

Textiles

Wood Recycling

Separates Non-Ferrous Waste



EDDY CURRENT

Hybrid Tracked Eddy Current Separator.

- Separate **ferrous** and **non-ferrous** materials.
- **Belt feeder** with low feed height that accomodates surges from down stream.
- Can be used as a **stand alone unit**.
- **Dual power ready** – Connect directly to the mains supply energy.
- Simple & intuitive control.

Specifications	
Operating Weight	48,502 lbs (22,000 kgs)
Transport Length	34 ft 5 in (10.5 m)
Transport Width	27 ft 3 in (8.3 m)
Transport Height	10 ft 6 in (3.2 m)
Working Width	27 ft 3 in (8.3 m)
Working Length	50 ft 2 in (15.3 m)
Working Height	10 ft 6 in (3.2 m)
Engine	Dual Power 33Kva Generator, 30kW Hydraulic Powerpack
Feed & Conveyor Hopper	4 ft 3 in (1,300 mm) Chevron, Dual Drive, VSD
Vibrating Feeder	4 ft 7 in (1,400 mm) Stainless Steel, Hyd Angle Adjustment, Wear Plates
Magnet	Overband Magnet, 300 mm Working Gap, Bi-directional, Hydraulic Height Adjustment
Eddy Current Separator	4 ft 11 in (1,500 mm) Usable Width, 5 Ft 7 In (1,700 mm) PVG Belt With Wiper and Side Walls, 24 Pole Conncentric Rotor With Long Sphere of Action For Optimal Recovery
Splitter System	Finite X&Y Adjustment, Reak Time Adjustment
Residual Conveyor	Impact Bars, Hydraulic Folding, LH or RH
Automation & Control	Touch Screen HMI
Options	
Engine	Doosan Stage 5 (No AdBlue)
Radio Control	Radio Control
Quarry	Quarry Screen Box
Air	Suction System 30 kW External Power Source Req.
Magnet	Drum Magnet on Oversize Conveyor, 450 Guass @ 300 mm
Magnet	Drum Magnet on Residual Conveyor
PAS	Positive Air Pressure System for Control Panel
Conveyor	Collection Conveyor for Non-Ferrous
Wash	Washing System

Applications

Aggregates
Commerical & Industrial
Biomass
Solid Recovered Fuel
MSW / Household Waste

Fines Treatment
Construction & Demolition
Incinerator Bottom Ash
Landfill Mining
Refuse Derived Fuel

Metal Recovery
Electronics
Auto Waste

Process the largest variety of toughest materials

- Durable, heavy-duty equipment built to withstand harsh materials
- Flexible to your fleet -Our machines can be used together or individually
- Each machine has versatile capabilities and can be used in a range of applications



Service and parts

- Humdinger Equipment assigns each piece of equipment to a service manager who monitors the machine daily.
- Our service team has a daily meeting to assure each issue is being addressed.
- 24/7 technical support number (844) 365-5394

Options

- All equipment can be on tracks, wheeled, or stationary.
- Electric or diesel configurations are available.



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