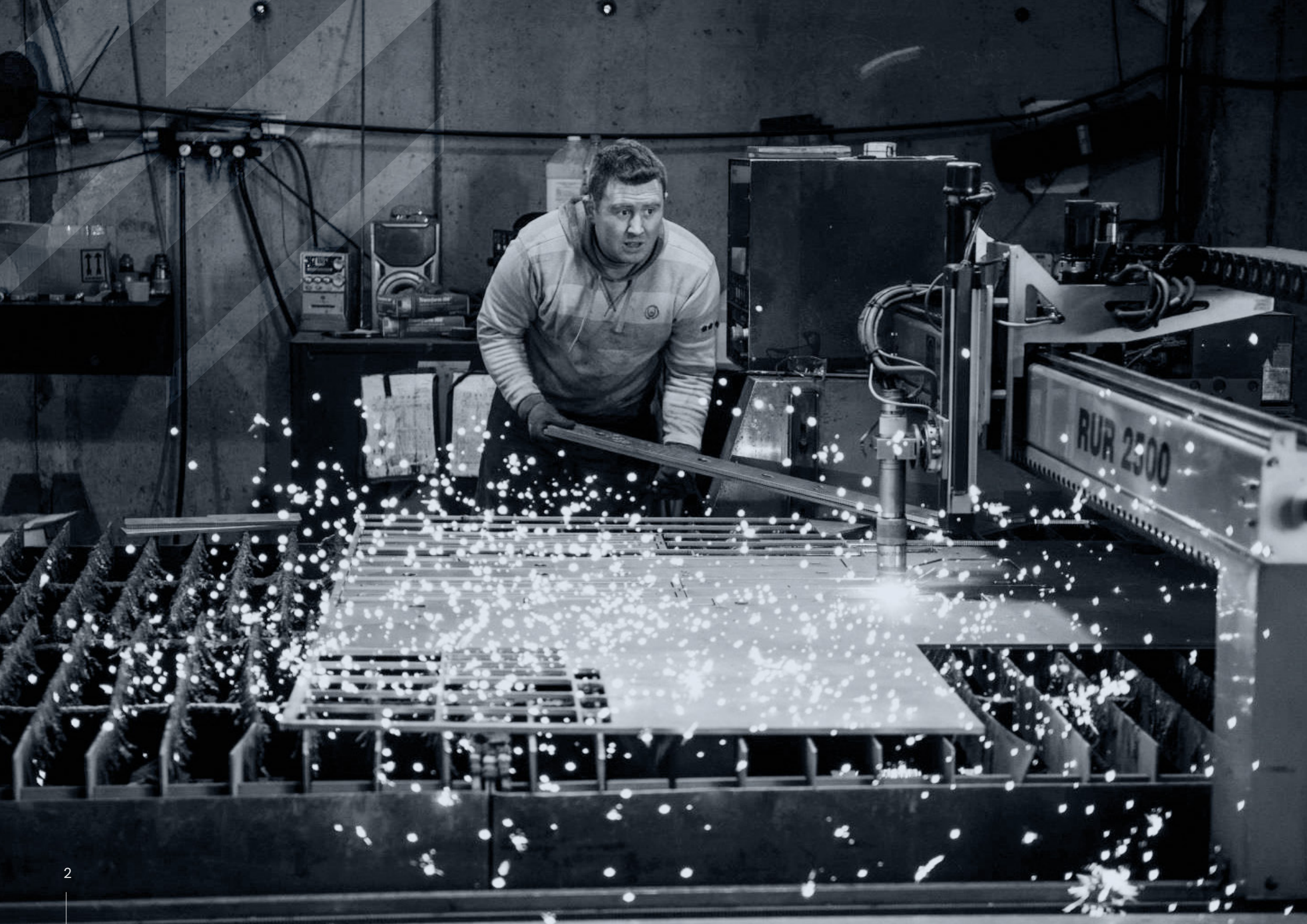




CRS
COMPLETE
RECYCLING SOLUTIONS

VERTECH



CRS NI LTD COMPLETE RECYCLING SYSTEMS

BROUGHT TO YOU BY VERTECH



FROM WASTE TO WORTH

Expertise that ensures waste is transformed into sustainable, reusable materials.

MOBILE & STATIC SOLUTIONS FOR:

- C&D
- FOGO
- Mixed MSW/MDW
- C&I
- Fines
- Gypsum
- E Waste

DELIVERING SUPERIOR WASTE MANAGEMENT SOLUTIONS

Vertech is the premium equipment range by Waste Initiatives, created for serious operators seeking high-performance waste processing solutions. Backed by international engineering and supported locally with Australian-based service and spare parts, Vertech delivers exceptional durability, efficiency, and reliability.

CRS NI LTD is a global manufacturer of recycling equipment, designed and built in Co. Tyrone, Northern Ireland. Since 2009, CRS has delivered innovative, custom-built solutions to facilities in over 15 countries.

CRS technology helps Australian operations boost resource recovery and meet sustainability goals—handling tough waste streams like C&D, C&I, MSW/MDW and FOGO.

WHY CHOOSE CRS COMPLETE RECYCLING SYSTEMS?

CRS equipment combines innovative design with robust performance to optimise waste processing and resource recovery.

Flip-Flow & Kinetic Screens offer precise separation of wet, sticky, or tough materials.

Trommel Screens provide strong, efficient size-based sorting across waste types.

Air Separation Systems improve material purity by dividing light and heavy fractions.

Picking Stations support safer, faster manual sorting.

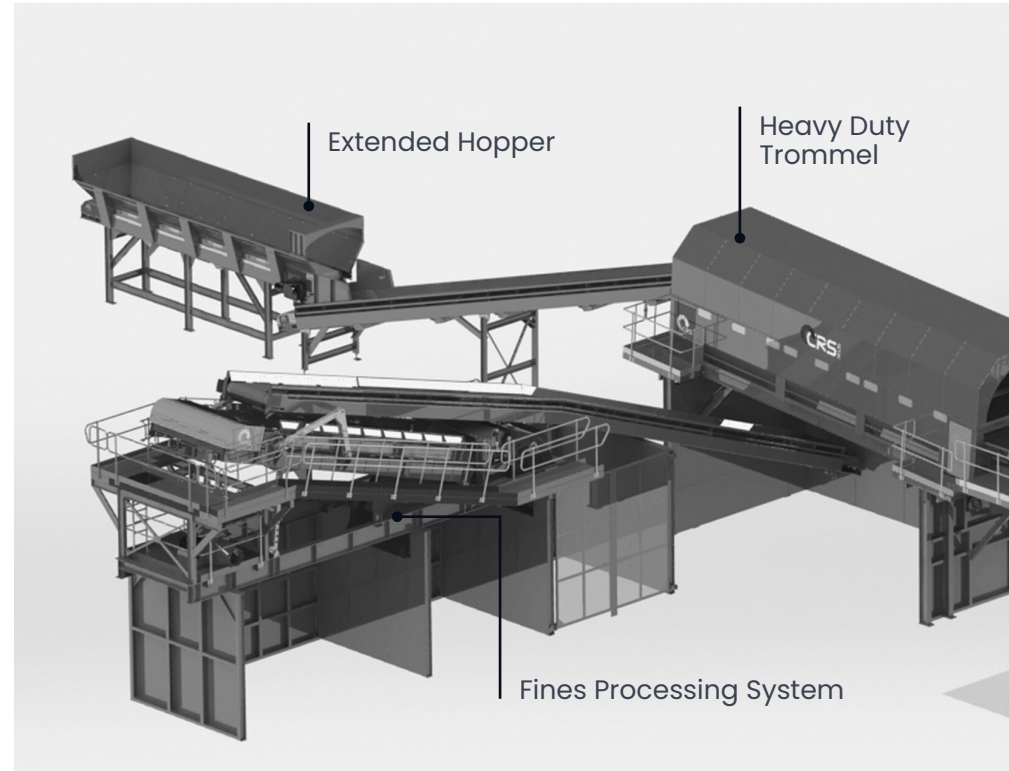
Mobile Recycling Solutions offer compact, mobile setups for tight spaces.

CRS delivers reliable, high-performing equipment to streamline recycling and boost recovery—built for tough Australian conditions.

COMPLETE WASTE RECYCLING SOLUTIONS



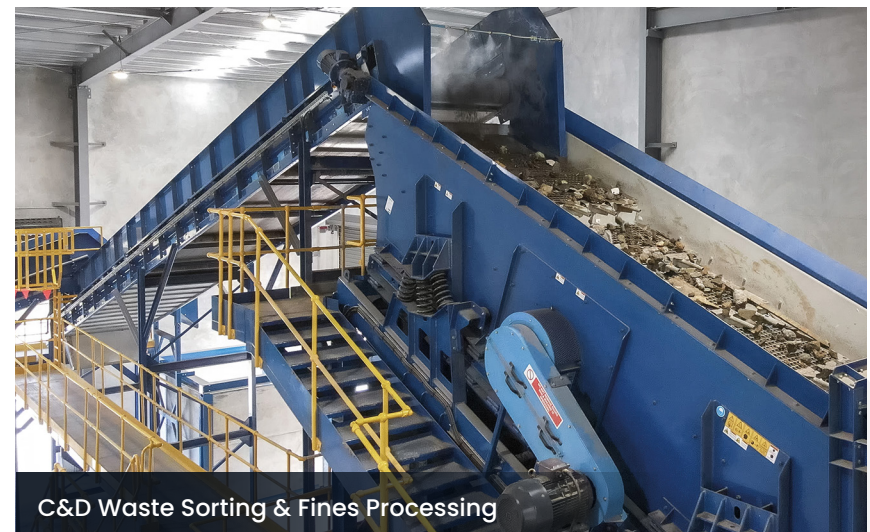
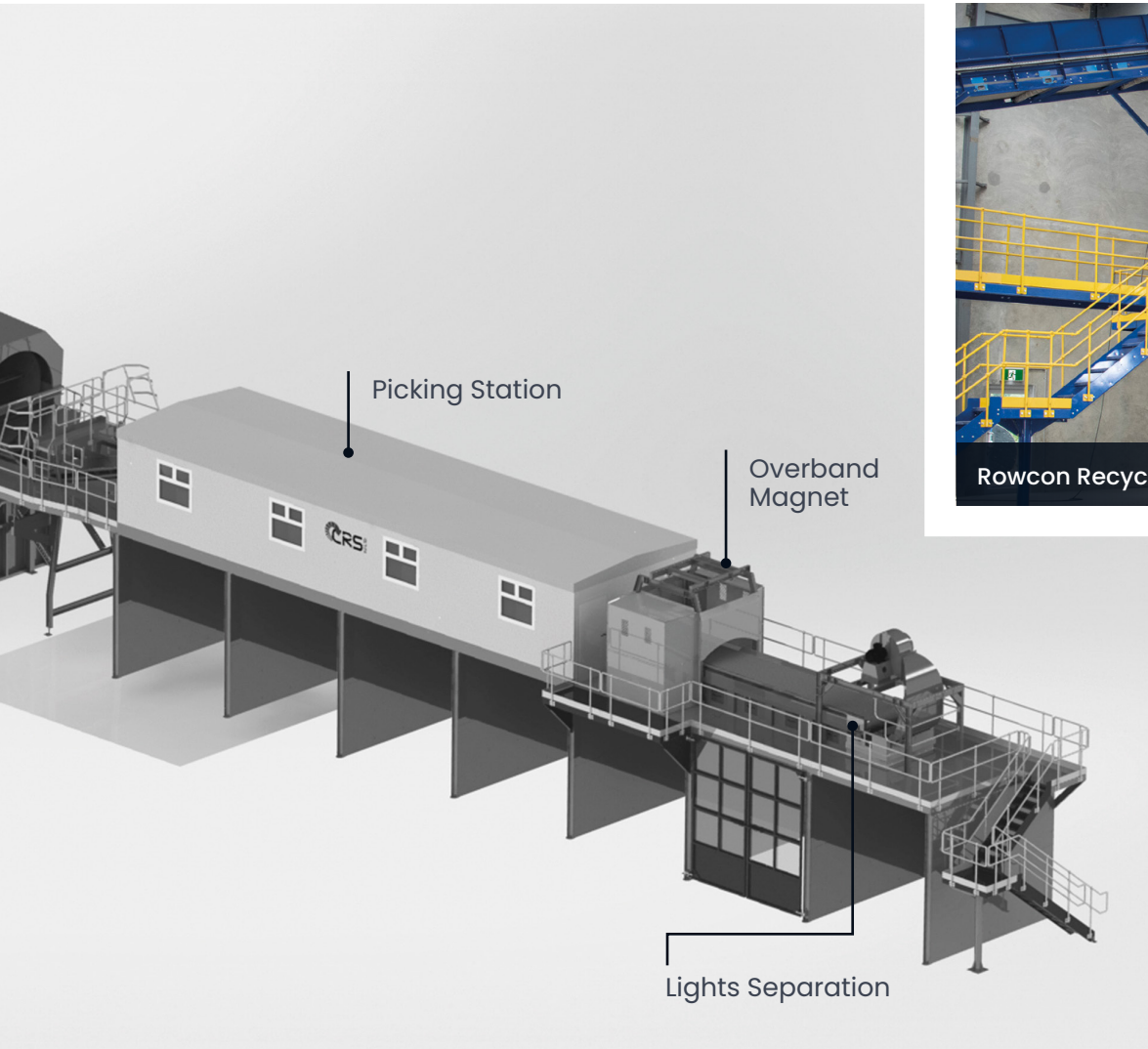
C&D Picking Station

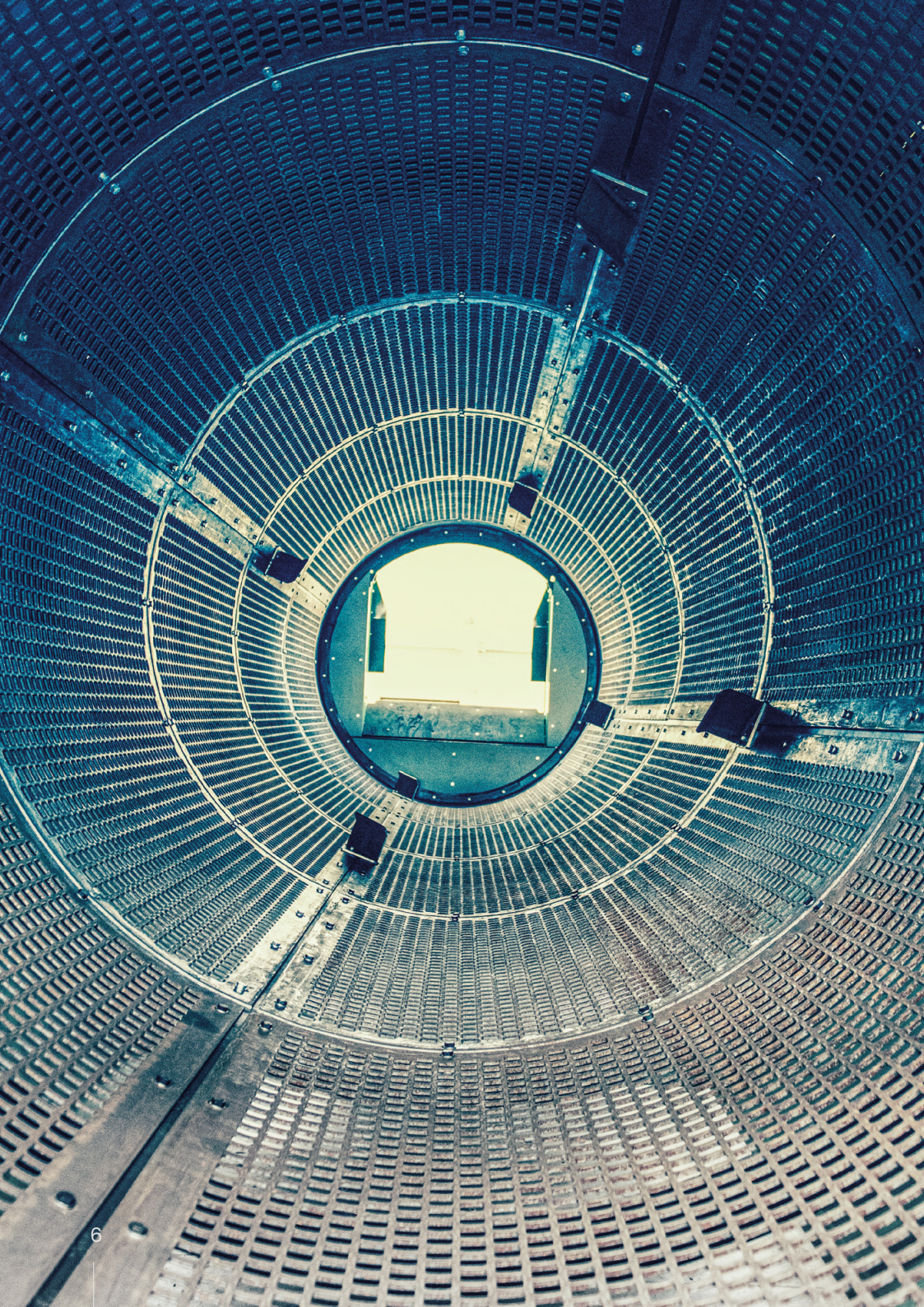


Co-Mingled Processing Plant



C&D Waste & Fines Clean Up Processing





NIERTECH

TROMMEL SCREENS

CRS Trommels—engineered heavy-duty static trommel screen—are capable of handling diverse materials such as C&D, C&I, MSW, FOGO, and aggregates.

Designed for seamless integration into both new and existing recycling plants, these trommels offer adaptable configurations to meet specific processing requirements. Available in various lengths and drum diameters, CRS Trommel Screens are versatile and efficient in material processing.

Their robust construction ensures reliable performance, even under demanding conditions, making them a valuable asset for efficient waste management and resource recovery.



FEATURES & BENEFITS

- Heavy duty welded construction
- 1.8m – 2.5m drum diameter
- 6m – 11m total screening length
- 4 No. Nord Slip on gear motor drive 5.5kw
- Variable speed control
- High density polyurethane drive wheels
- 4-wheel drive
- High density polyurethane retaining wheel
- SKF 75mm and 50mm bearings
- Bolt in heavy duty punch plate for easy changing
- Full guards with emergency stops
- Covers (included)
- Drum cleaning brushes can be included as an option

OPTIONS

- Direct Hopper Feeder
- Robust side bay walls and rear push walls to withstand the heaviest of applications
- Brushes
- Low level feeder via incline conveyor to trommel
- Heavy duty steel or concrete bay walls
- Transfer fines conveyor to secondary screen

TROMMEL SCREEN

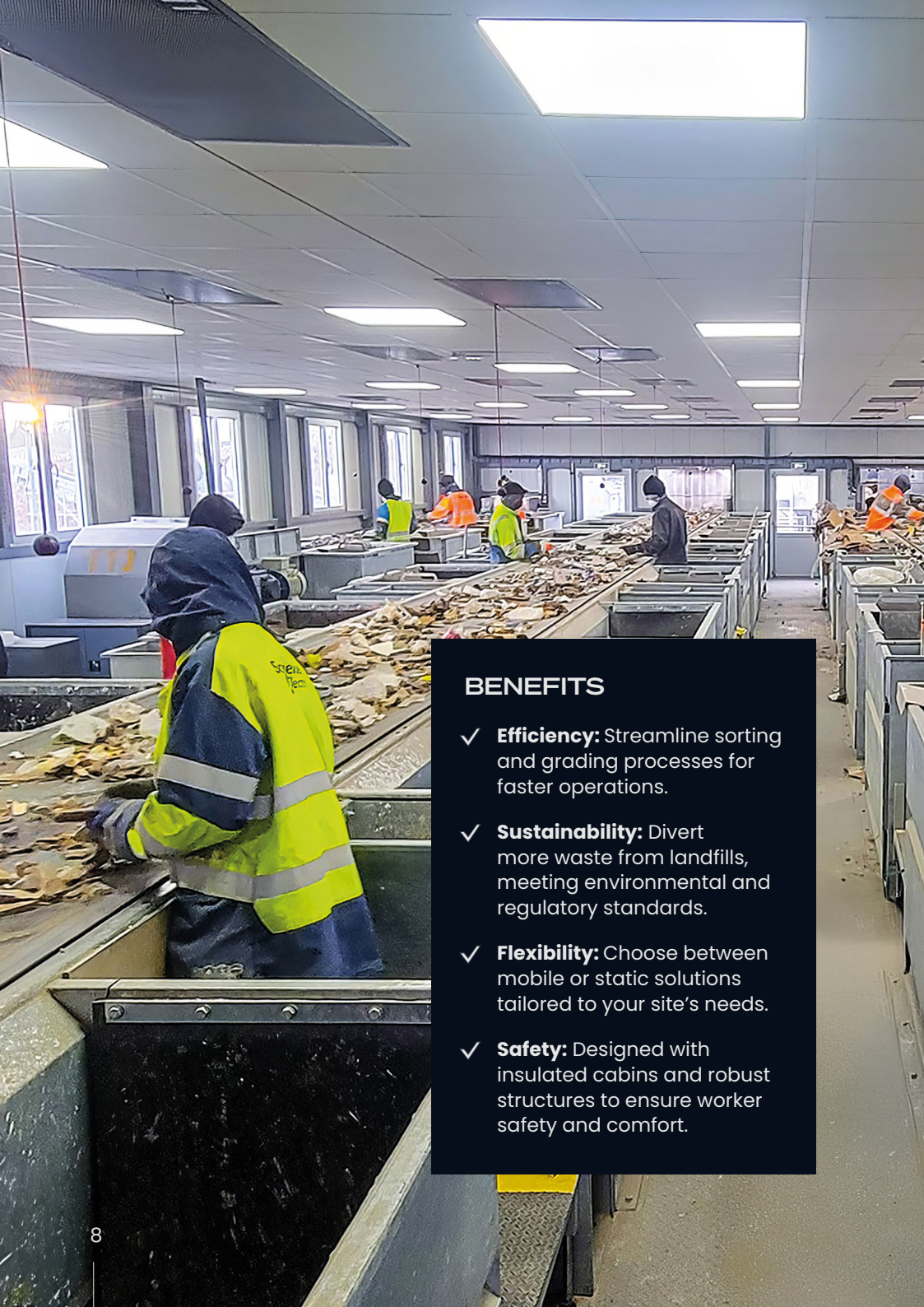
MODELS 420 - 1025



SPECIFICATIONS

MODELS 420 -1025

Screen Size	12 - 120 mm
Screen Diameter (m)	1.8 - 2.5
Screen Length (m)	4.0 - 10.0
Power Supply (kW)	22
Throughput (m ³ p/Hr)	35 - 160
Waste Types	C&D, C&I, MSW, FOGO, Aggregate



VERTECH

PICKING STATIONS

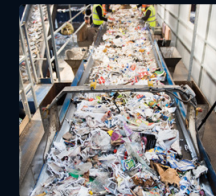
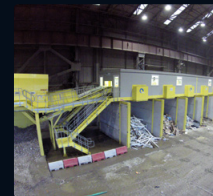
CRS Picking Stations are designed to optimise material handling and improve efficiency in sorting operations. These robust stations feature ergonomic design, reducing operator fatigue and increasing productivity.

Available in **mobile** and **static** configurations, CRS Picking Stations cater to different needs, with adjustable heights and integrated storage options for various materials.

Customisable features allow seamless integration into existing workflows, enhancing flexibility and performance. Ideal for recycling facilities and waste processors, they streamline sorting for improved operational output.

BENEFITS

- ✓ **Efficiency:** Streamline sorting and grading processes for faster operations.
- ✓ **Sustainability:** Divert more waste from landfills, meeting environmental and regulatory standards.
- ✓ **Flexibility:** Choose between mobile or static solutions tailored to your site's needs.
- ✓ **Safety:** Designed with insulated cabins and robust structures to ensure worker safety and comfort.



STATIC PICKING STATION

KEY FEATURES

- Typically up to 9 Bays
- High throughput offering 6 picking bays
- 1 metal bay, 1 lights cage & 1 clean heavies bay
- Belt widths from 36" (900mm) – 60" (1500mm)
- Ergonomically designed drop boxes for ease of use
- Chequered plate flooring throughout with rubber mats at pick points
- Insulated cabin with down draft heaters, lighting & PVC windows and doors

SPECIFICATIONS

Picking Pays	Typically up to 9
Belt Widths	900 mm to 1500 mm
Power	7.5 to 15 kW (belt)
Waste Types	C&D, C&I, MSW, FOGO & Aggregate

OPTIONS

- Air conditioning/ heating system
- External drop boxes with pneumatic or manual discharge
- Steel walls or precast concrete panels with steel structure frame
- Extras such as magnet, blower, feed hopper and conveyors.





MOBILE PICKING STATION

KEY FEATURES

- High throughput offering over 8 recyclable products
- Belt width 1200mm (48")
- Heavy duty feed hopper with impact bars
- Twin Pole Magnet
- Enclosed weather proof picking area complete with lighting, heating, electric, and touch screen controls
- Variable speed control for picking belt
- Plug-In Hybrid diesel/electric and/or mains power

OPTIONS

- Air conditioning/ heating system
- Suction Fan Or Blowing
- External drop boxes with pneumatic or manual discharge
- Steel walls or precast concrete panels with steel structure frame
- Extras such as magnet, blower, feed hopper and conveyors.
- Emergency exit at front of picking station

SPECIFICATIONS

Set up time	8 minutes
Picking Pays	8 high throughput
Belt Widths	from 1200 mm
Power	Diesel Electric hybrid &/or Mains
Waste Types	C&D, C&I, MSW, FOGO & Aggregate

CRS-021



SITE MASTER MOBILE PICKING STATION

KEY FEATURES

- 2 -4 man pick
- 3.5mm Chequered Walkway
- 2 Dropboxes:
 - Width: 900mm
 - Depth: 452mm
 - Height: 989mm
- Access Step Ladders
- Cabin for Weather Protection
- Control panel with emergency stops
- Adjustable Height
- Electric Drive
- Robust & Heavy Duty Build
- Designed for building and construction sites

OPTIONS

- Option of 2 or 4 person units

SPECIFICATIONS

Picking Pays	up to 4
Dropboxes	2
Belt Width	1000 mm
Power	Electric
Waste Types	C&D, C&I, MSW, FOGO & Aggregate

CRS-045





NIERTECH

RECYCLING SCREENS

CRS Recycling Screens provide high-efficiency material separation for recycling applications, including C&D, C&I, MSW, and organics.

These heavy-duty static screens feature interchangeable upper and lower decks, including finger, honeycomb, and fines recovery panels, ensuring precise sorting and reliable material flow. Flip-flow screening and direct-drive mechanisms deliver consistent performance and high throughput.

With flexible configurations and sizes, the screens suit both retrofitting into existing lines and new recycling plants.

Their robust construction ensures reliable operation, driving efficient waste processing and maximising resource recovery, even in the most demanding environments.



FEATURES & BENEFITS

- Heavy-duty screens for high-volume waste processing
- Available in various sizes and configurations
- Flip-flow and direct-drive options
- Large screening surfaces for efficient separation
- Self-cleaning screens prevent blockages
- Finger screen handles bulky waste
- Suitable for C&D, MSW, and organics
- Can replace Trommel screens with flip-flow benefits
- Maximises throughput and accuracy
- Reduces downtime with low-maintenance design
- Enhances resource recovery rates
- Seamless integration into existing plants

OPTIONS

- Fines Discharge Conveyor
- Heavy Duty Honeycomb welded deck
- Finger screen
- Punchplate
- Aperture on flipflow mats

FLIP FLOW SCREEN

A double deck (combi) screen featuring flip-flow technology, offers a compact, heavy-duty solution, with durable components and easy maintenance.



SPECIFICATIONS

Flow Type	Flip Flow
Screen Area	6m x 1.8 m
Input size	3 - 400 mm
Power	Electric /mains
Waste Types	C&D, C&I, MSW, FOGO, aggregate

KINETIC FLOW SCREEN

Single or double deck system offering high efficiency, patented direct drive, and self-cleaning screens for maximum agitation and clean products.



SPECIFICATIONS

Flow Type	Kinetic
Screen Area	6m x 1.8 m
Input size	3 - 400 mm
Power	Electric /mains
Waste Types	C&D, C&I, MSW, FOGO, aggregate



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FINES RECOVERY SYSTEMS

CRS designs and manufactures Static Fines Recovery Plants to separate valuable materials from trommel fines. These solutions efficiently recover paper and plastics while extracting aggregates, significantly reducing landfill costs.

By removing contaminants, these systems help waste processors meet stringent regulations and improve material recovery rates. The advanced technology ensures a cleaner fines output, supporting sustainable waste management.

Built for durability and efficiency, CRS Static Fines Recovery Plants are tailored to specific site requirements, offering reliable performance in demanding recycling operations. A smart investment for operators looking to recover more and dispose of less.

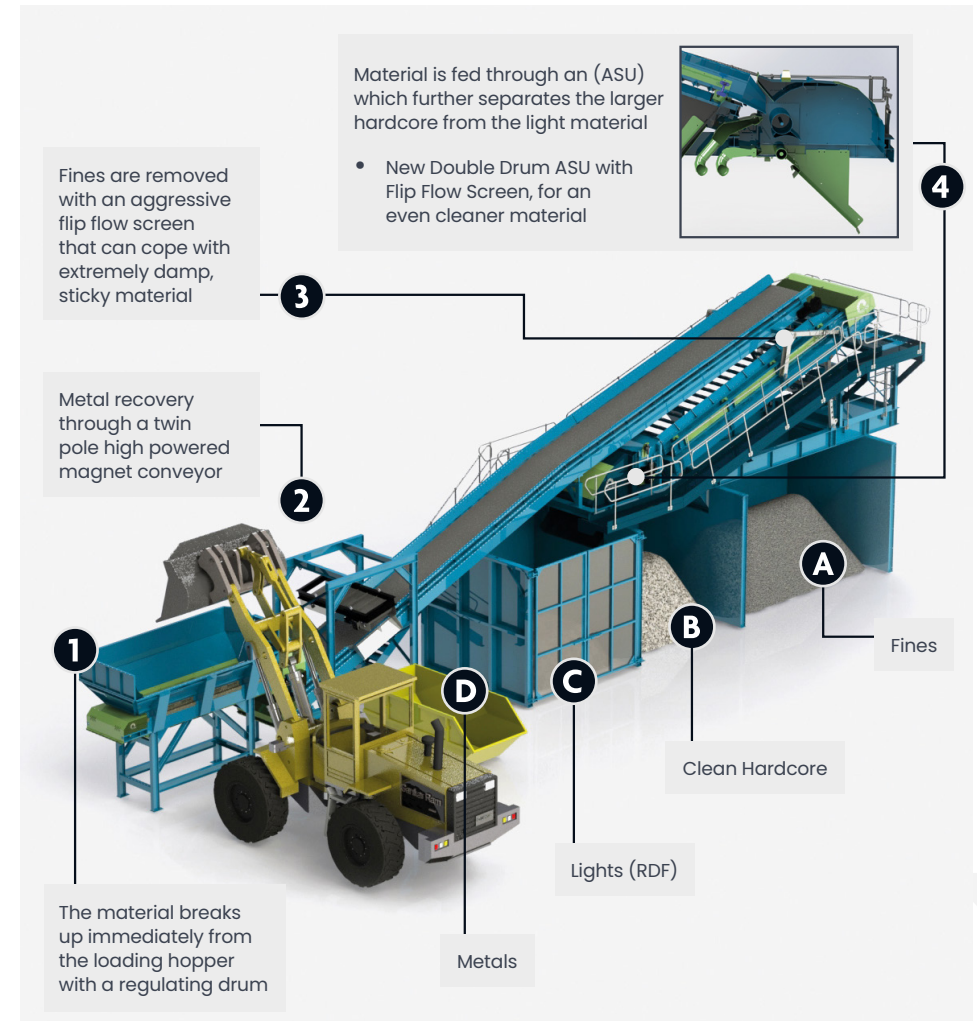


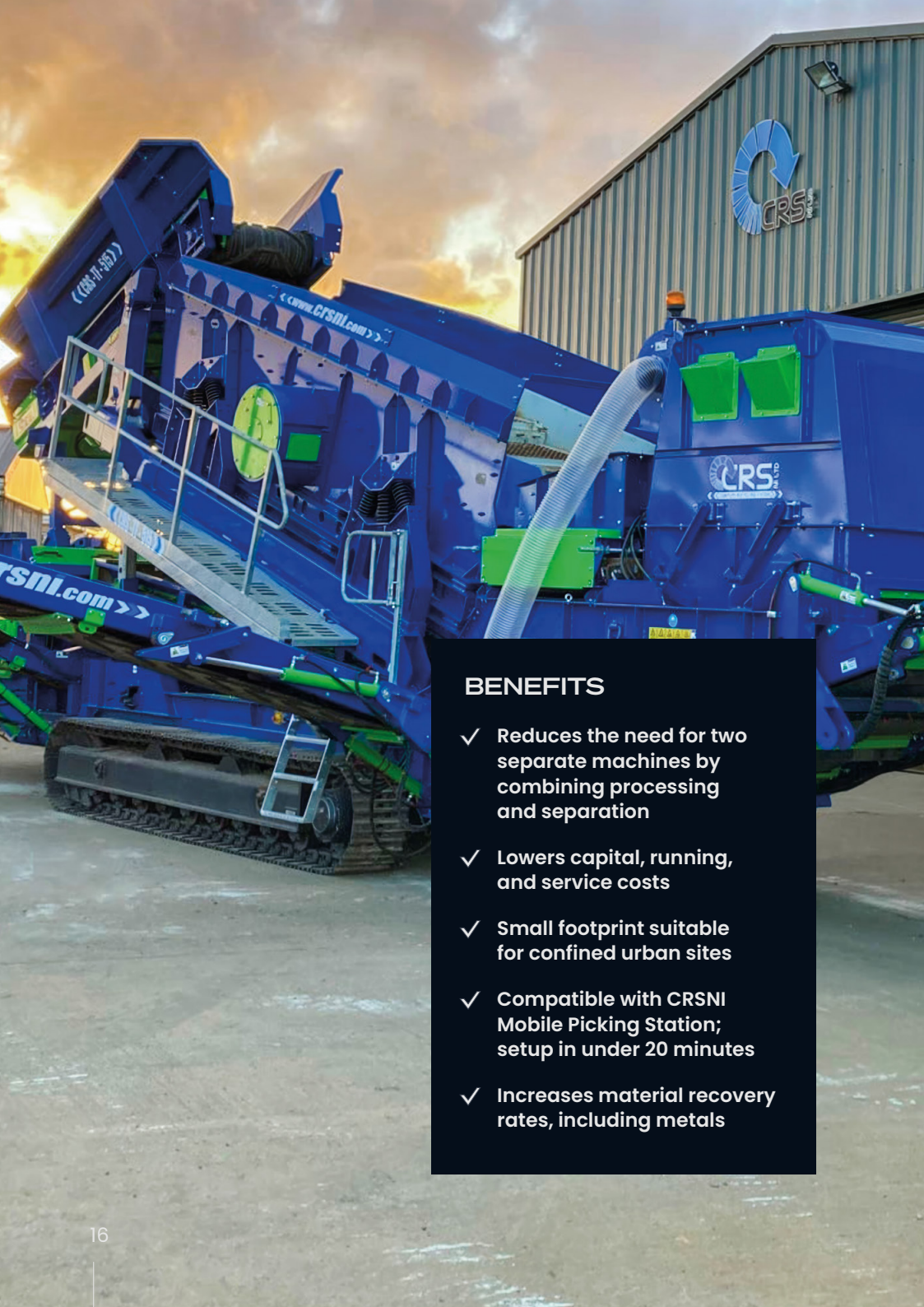
FEATURES & BENEFITS

- 1.8m screen width x 6.0m screen length
- Air separation unit separates the light and heavy fractions
- Unique Patented direct drive system driving both decks ensuring maximum agitation
- Self cleaning screens as apertures in the unit vibrate and stretch slightly resulting in clean screens and products
- High screening efficiency

OPTIONS

- Fines discharge conveyor
- Concrete or Steel Bay Walls





VERTECH

MOBILE FINES PLANT

The CRS Mobile Tracked Screen (CRS-038), is a mobile fines plant that delivers high-performance material separation for a wide range of recycling applications, including C&D, C&I, MSW, and organics.

This heavy-duty mobile screen features a 3-way split, offering exceptional separation of fines, mids, and oversize materials. Its aggressive screen box with adjustable angles and hydraulic lift ensures consistent screening efficiency and optimal material flow.

With a tracked design and rapid set-up, the CRS-038 is ideal for both stand-alone use and integration into larger recycling operations.

Built for mobility and durability, it ensures reliable operation in demanding conditions—maximising productivity and resource recovery on-site.

BENEFITS

- ✓ Reduces the need for two separate machines by combining processing and separation
- ✓ Lowers capital, running, and service costs
- ✓ Small footprint suitable for confined urban sites
- ✓ Compatible with CRSNI Mobile Picking Station; setup in under 20 minutes
- ✓ Increases material recovery rates, including metals

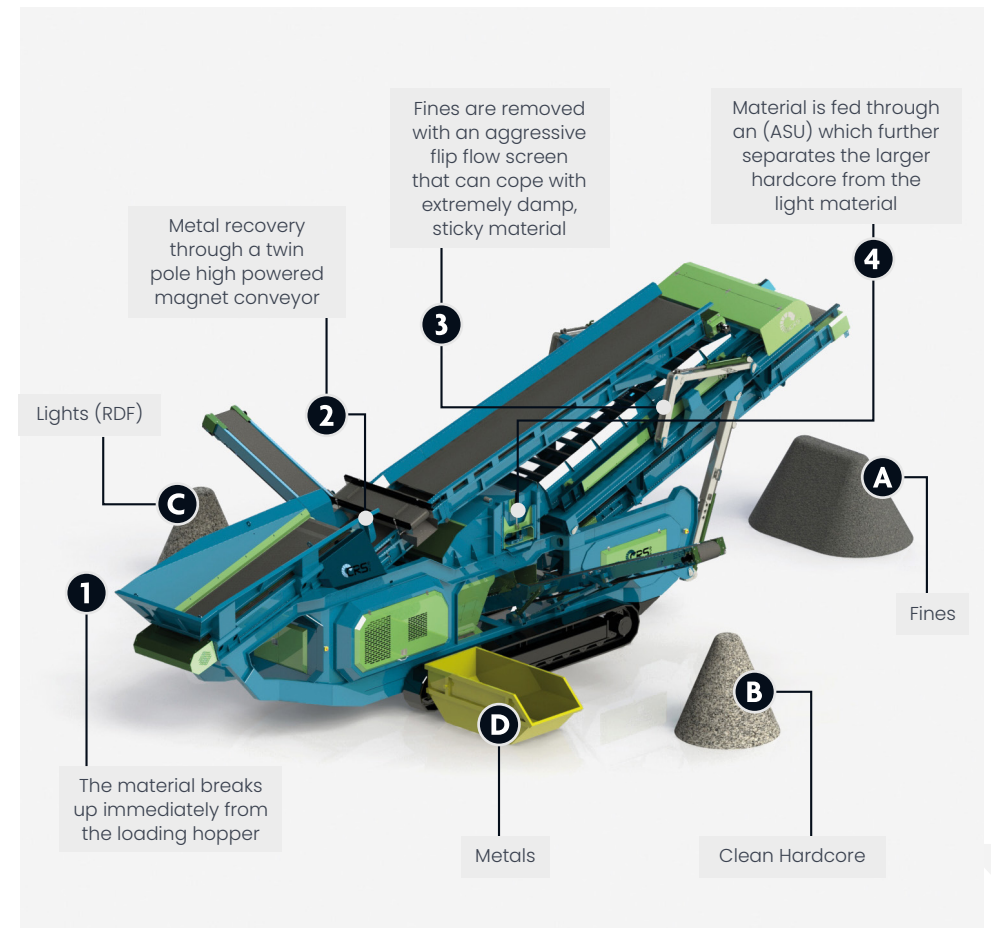


FEATURES

- Efficient drive system with unique screen deck design
- High screening efficiency
- 4 material splits plus metals recovery
- Magnetic head drum on mid-fraction for metal separation
- Fully adjustable belt and screen speeds
- 14 Vulkalon screen mats with clip fasteners for easy maintenance
- 1.5m screen width x 4.7m screen length
- Quick setup time, easily moved between sites
- Designed to eliminate screen blinding, plugging, and blockages
- Capable of handling diverse material streams

OPTIONS

- Magnetic head drums
- Deutz or CAT Engine available
- Reversible fan for dusty environments





NERTECH

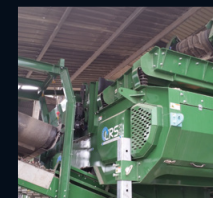
AIR SEPARATION UNITS (ASU)

CRS Semi Mobile Air Separation units are engineered for the separation of light and heavy material, developed with the latest technology to ensure optimal performance and reliability.

The ASU provides efficient material separation with adjustable drum speeds and hydraulic drum positioning. Its compact design suits various infeed conveyors.

The Air Master unit is specifically designed for recovering trommel fines. The Air Max 2000 is a heavy-duty separator for light materials, featuring adjustable settings and safety features like full guarding. Both units provide reliable and flexible solutions for industrial and recycling environments.

Suitable for C&D, C&I, household waste, and compost/organics, the Air Separator's robust design handles the toughest applications.



FEATURES & BENEFITS

- Vibrating feeder for uniform feed to air-drum for efficient separation.
- Hydraulic or electrical drum positional control (depending on model).
- Adjustable support legs and unique chassis design for flexibility.
- 15kw-30kw fan feeding ASU drum, depending on model, with variable air intake for optimal performance.
- Variable drum rotation speed and nozzle height adjustment for precise settings.
- Compact design for space efficiency.
- Full guards with emergency stops for safety.

OPTIONS

- Support frame
- Stand alone wall-mounted or conveyor system
- Heavies conveyor, with optional magnetic head drum for ferrous retrieval
- Lights conveyor
- Single or double drum option

OPTIONAL SEPARATION



MAGNET



EDDY CURRENT



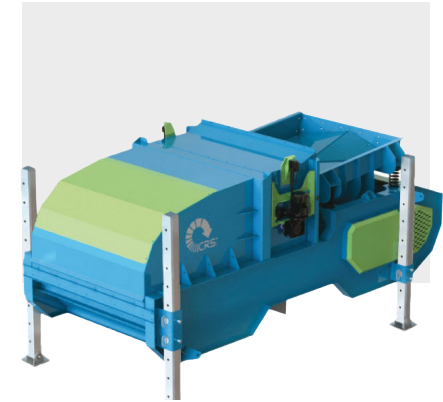
OPTICAL SORTER

AIR MASTER

The Air Master unit is specifically designed for recovering Trommel Fines.

SPECIFICATIONS

Drum	3 kW
Fan	2 x 11 kW
Infeed widths	1200-1800 mm wide
Installation	Stand alone or Integrated
Applications	Industrial and Recycling facilities

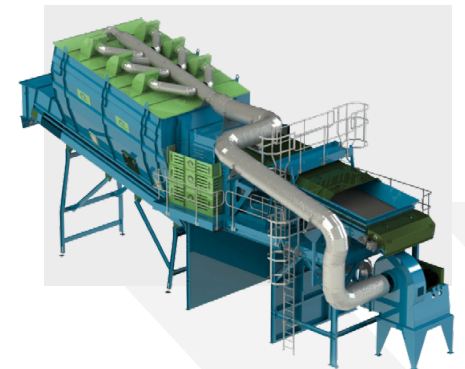


AIR MAX 2000

Designed for heavy-duty operations, providing superior separation of light materials with precision and reliability.

SPECIFICATIONS

Drum	3 kW
Fan	30 kW
Infeed widths	1200-1800 mm wide
Installation	Stand alone or Integrated
Applications	Industrial and Recycling facilities





NIERTECH

HOPPERS, CONVEYORS & STEEL BELT FEED

CRS design and manufacture heavy duty hoppers, feeders & conveyors for all applications within the waste stream. Designed to integrate with existing or new plant.



RS ERS



ENGINEERED WASTE SOLUTIONS



Belt Feed Hopper & Infeed Conveyor, Rowcon



Rowcon, Australia, C&D Recycling Plant



2 Deck Flip-flow Screen & Fines Bay, Rowcon

At Waste Initiatives, we deliver complete recycling solutions tailored to your operation. In partnership with CRS, we supply and integrate recycling equipment and sorting technology designed to suit your specific waste streams, site layout, and processing requirements. With over 50 years of industry experience, our engineering team uses advanced 3D CAD modelling to optimise layouts—ensuring smooth installation and efficient operation. CRS recycling equipment is built for reliability and performance in Australian conditions. Backed by local parts availability and responsive support, we help you reduce landfill, maximise resource recovery, and achieve your sustainability goals.



Picking Station, Legacy Park



C&D Recycling Plant, Legacy Park



ASU & Fan, Legacy Park

Brought to you by



Call: 1800 441 100

wasteinitiatives.com.au

