



**UNPARALLELED
PERFORMANCE**



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WHAT WE CAN OFFER YOU

"CRS were extremely accommodating to work with. We are more than happy with the high build quality and their efforts to ensure the plant was installed within a very tight deadline."

Johnny Eastwood - Eastwood Demolition

"Our team at CRS can offer you a Solution that will do exactly what we say it will and more. We design and manufacture everything in-house and complete all our own installations to ensure we fulfil your requirements. Our aim is to exceed your expectations and with award winning designs and an extremely high percentage of repeat business we are certainly moving in the right direction."

Sean Conlon, Owner CRS NI Ltd

CUSTOM BUILT TO SUIT YOU



HEAVY DUTY BUILD



TROMMELS

CRS design, manufacture and install heavy duty Static Trommel Screens for all applications which can be integrated to new or existing plants.



SPECIFICATION

FEATURES & BENEFITS

- Heavy duty welded construction
- Specially designed composite chassis, engineered from Universal Beam
- Drum diameter to suit customer requirements
- Total screening length ranging from 4m- 12m
- Trommel drum is manufactured from heavy duty plate steel with parallel flange channel for extra strength
- Bolt in heavy duty 6-12mm punch plate for easy changing with staggered patterned aperture for increased strength (aperture to customer requirements)
- 4 No. Wheels independently driven by Nord Slip on gear motor drive
- Variable speed control
- High density polyurethane drive wheels
- High density polyurethane retaining wheel
- SKF bearings throughout
- Full guards with emergency stops
- Various lifting bars on drum to provide aggressive screening action
- Walkways & covers as standard



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



STATIC PICKING STATIONS

CRS design, manufacture and install bespoke Picking Stations both single and double sided picking.



SPECIFICATION

FEATURES & BENEFITS

- 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

OPTIONS

- External drop boxes with pneumatic or manual discharge
- Magnet
- Blower
- Feed Hopper
- Air Conditioning



SPECIFICATION

FEATURES & BENEFITS

- High throughput offering 8 separate picks
- Belt widths from 36" (900mm) – 60" (1500mm)
- Quick set up time
- Can be fed by any Screener or Trommel
- Heavy duty feed hopper with impact bars
- Ergonomically designed drop boxes for ease of use
- Easily manoeuvred from site to site
- Double sided walkways for ease of access
- Variable speed control for picking belt
- Economical quiet power unit
- 40yd skip access under picking station
- 5th wheel hook up
- Deutz or CAT Engine available



MOBILE PICKING STATIONS

The only 4 Bay Mobile Picking Station on the market providing up to 8 recyclable products



OPTIONS

- Standard 4 Bay
- 3 Bay with Magnet
- 3 Bay with Magnet & Blower
- Short Feed Conveyor to achieve a larger stockpile or connect to another line
- Enclosed weatherproof picking area complete with lighting, heating and electric





COMBI SCREEN

Heavy Duty Screen with interchangeable upper and lower decks including finger, honeycomb and fines recovery to maximise efficiency and minimise footprint

FEATURES & BENEFITS

- Screen Size 4.8m Long x 1.5m Wide
- Self cleaning screens as apertures in the unit vibrate and stretch slightly resulting in clean screens
- High screening efficiency
- Allows screening at a higher input material size up to 3-400mm whilst also protecting the Flipflow screen
- Can be a direct replacement of Trommel screen with the advantage of Scalp Screen and Flipflow Screen in one unit
- Finger screen allows screening for difficult large, bulky waste items

OPTIONS

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

HEAVY DUTY SCALPING SCREEN

For high throughput and large items with a screen size of 6m long x 1.5m wide, finger spacing to suit customer requirements

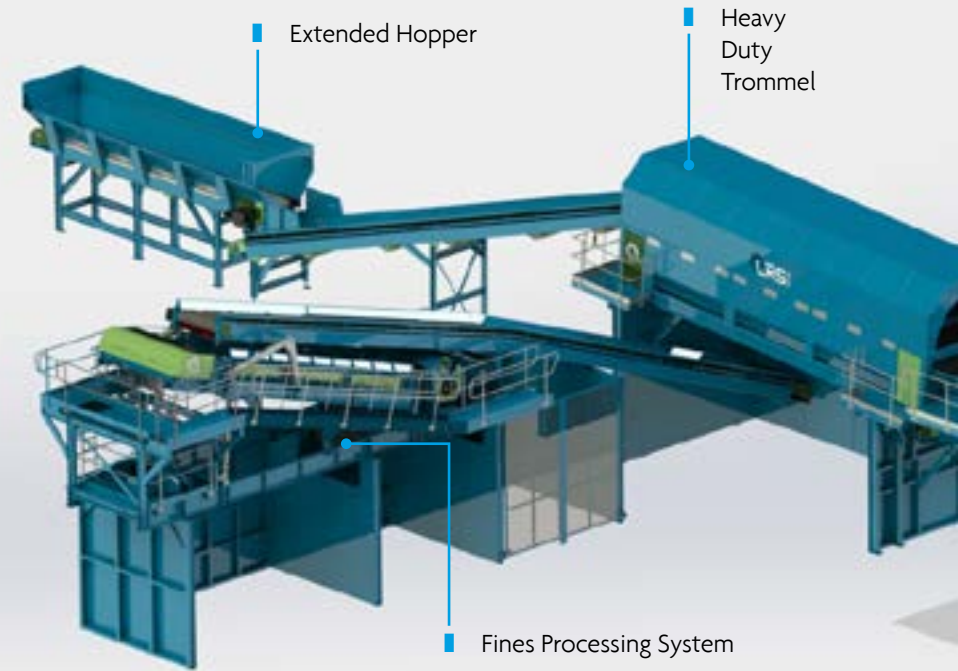
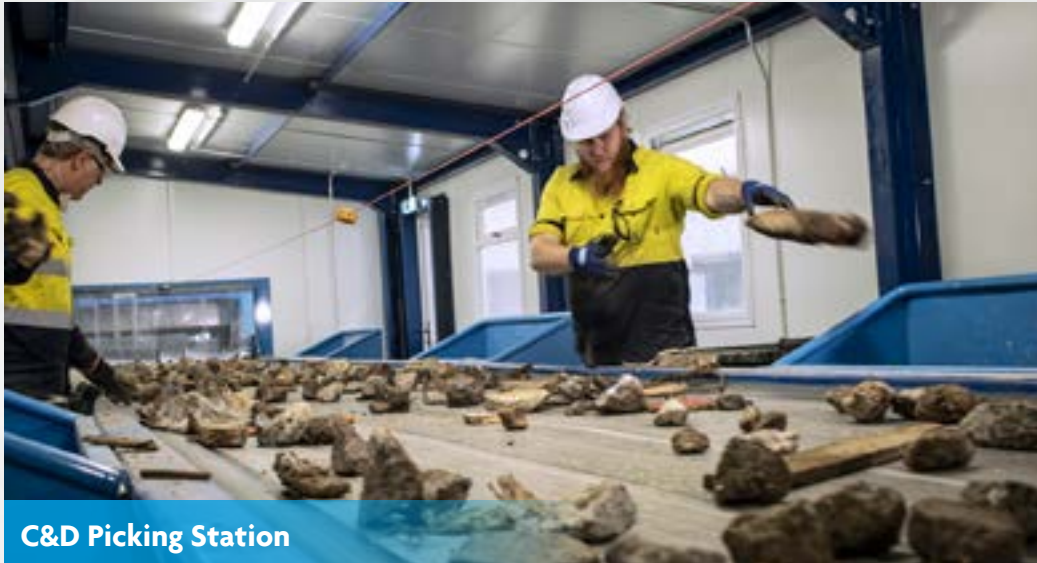
BESPOKE RECYCLING SOLUTIONS



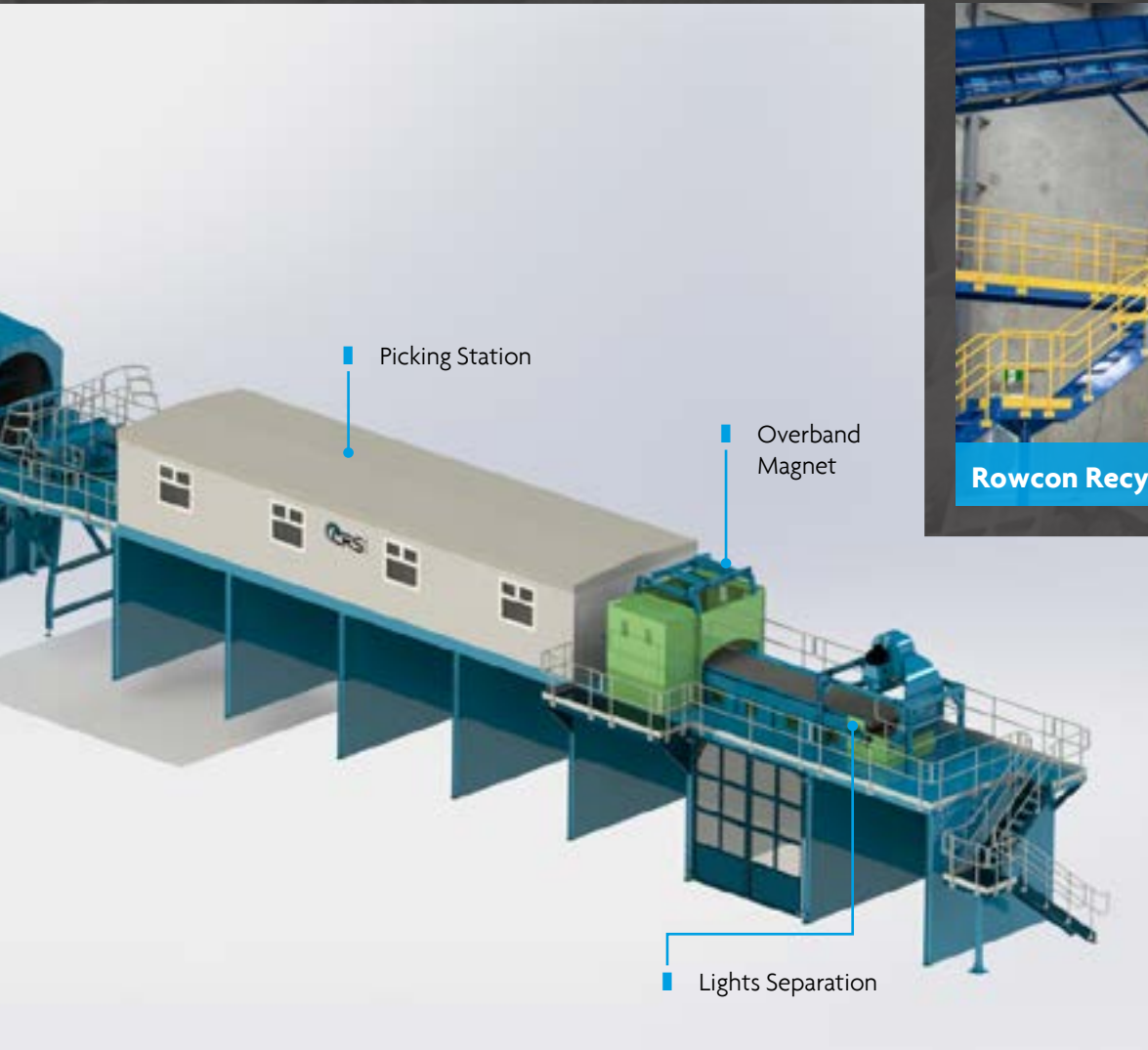
“We previously produced 20-25 tonnes in our old system and we now produce 70-80 tonnes per hour of C&D & C&I waste. We are more than impressed with our CRS Plant, the build quality is definitely there and the after sales support is great”

Luke Smith, Director, Smith Recycling

COMPLETE RECYCLING WASTE SOLUTIONS



COMPACT DESIGN



Rowcon Recycling, Australia



C&D Waste Sorting & Fines Processing

COMPLETE RECYCLING WASTE SOLUTIONS

AWARD WINNING DESIGN

FINES RECOVERY SYSTEMS

CRS design, manufacture and install Static Trommel Fines Recovery Plants separating paper and plastics from aggregate and fine materials. CRS Trommel Fines drastically reduces landfill costs by segregating the fines from papers and plastics as well as extracting the aggregates.



"We are very happy with the build quality of the CRS Recycling Plant and the Fines Clean Up System is extremely effective. We are recycling more products and recovering a 10-50mm aggregate, that we reuse in-house, and reclaiming a lot of metals that were previously going to landfill."

**Allan Brown, General Manager
Malcolm Construction Services**

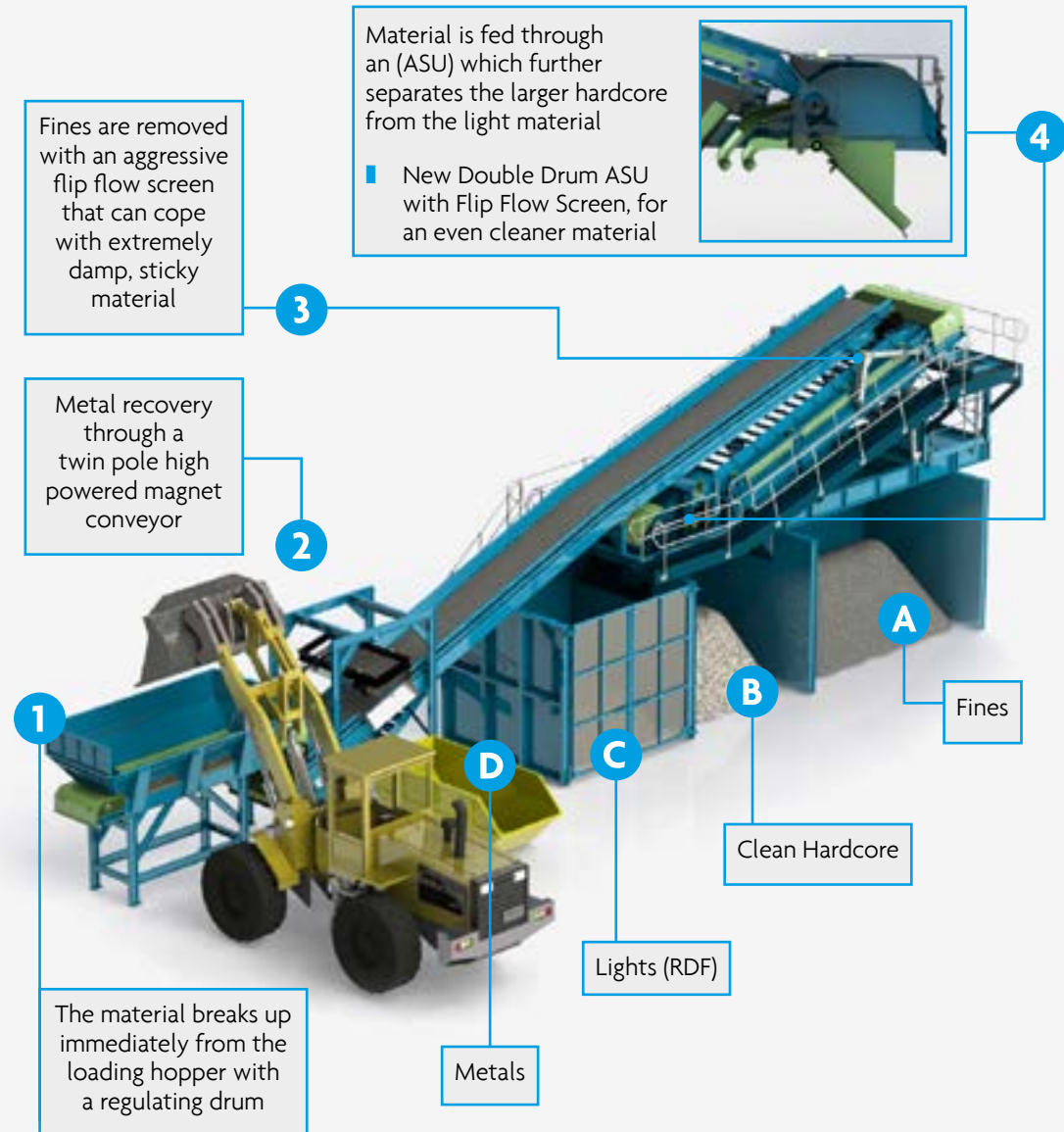
SPECIFICATION

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



MOBILE FINES PLANT

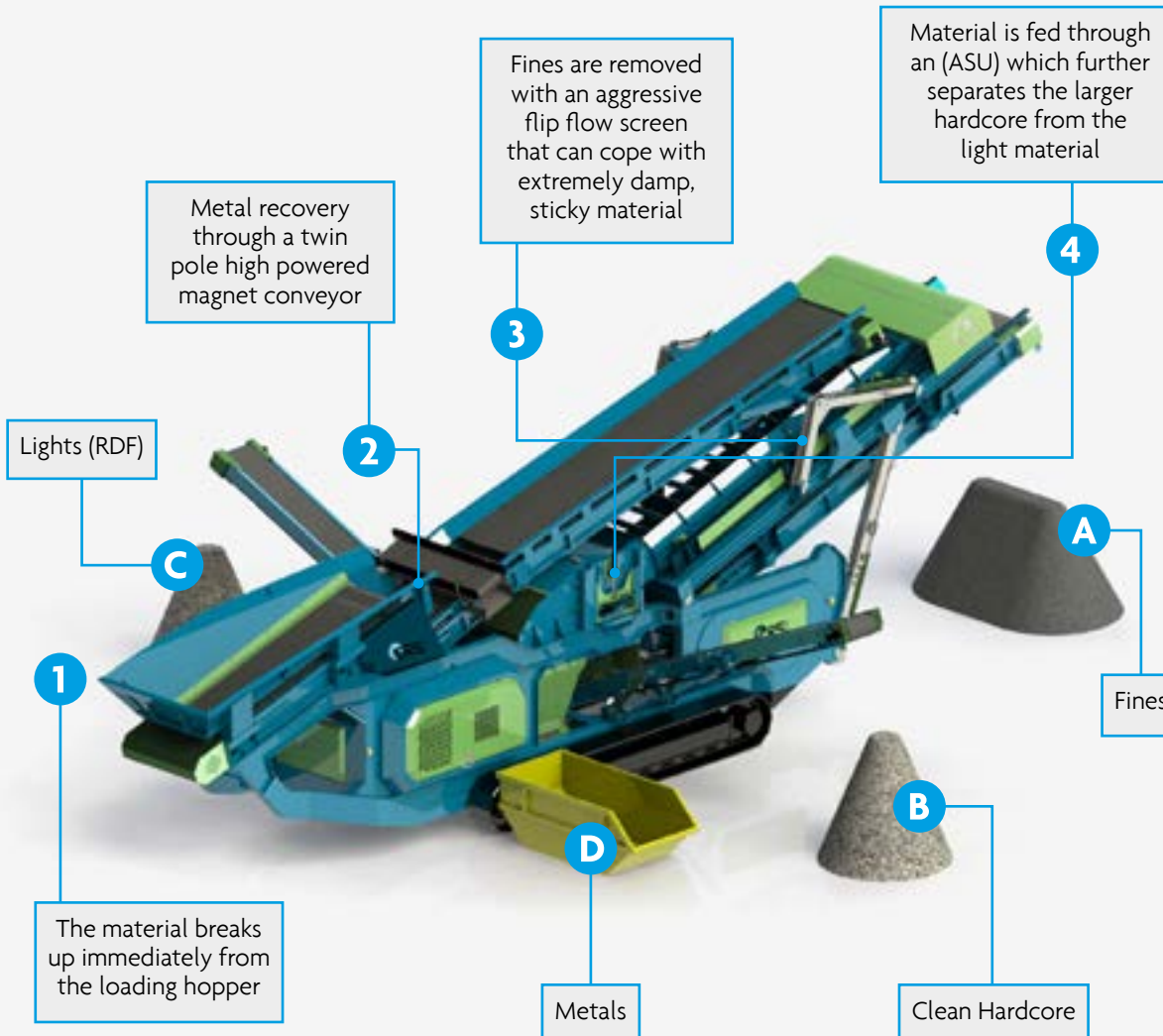
CRS Patented and award winning mobile fines screen for aggressively cleaning and sizing wet, sticky and troublesome materials



"The CRS Mobile Fines machine is very versatile & produces high tonnage"

Anthony Leach - Smiths of Gloucester





SPECIFICATION

FEATURES & BENEFITS

- Unique Patented direct drive system driving both decks ensuring maximum agitation
- High screening efficiency
- Fully adjustable belt and screen speeds coupled with adjustable screen angle enables fine tuning of screening process
- 14 No. Vulkalon screen mats (aperture size to customer requirements)
- 1.8m screen width x 4.4m screen length
- Easily manoeuvred from site to site with quick set up time
- Eliminate screen binding, plugging and blockages
- Ability to handle a diverse range of materials
- Over-band magnet
- Air separation unit separates the light and heavy fractions

OPTIONS

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

AIR SEPARATION

AIR MASTER

CRS design, manufacture and install Semi Mobile Air Separation units for the separation of light and heavy materials. The Air Master unit is specifically designed for recovering Trommel Fines.

SPECIFICATION

FEATURES & BENEFITS

- Vibrating Feeder for uniform feed to air-drum for efficient split
- Fitted as standard with electrical drum positional control
- Unique Chassis Design with adjustable support legs
- 15kw Fan Feeding ASU Drum
- Low Cost unit for fines clean up
- Unit can be operated independently or integrated to existing facilities
- Installation: Stand alone wall mounted or conveyor system
- Fine control adjustments allowing precise settings to suit application
- Low operational & maintenance costs

OPTIONS

- Support Frame
- Single or Double Drum
- Heavies Conveyor, with optional, magnetic head drum for ferrous retrieval
- Lights Conveyor



AIR SEPARATION

AIRMAX

CRS Airmax 2000 is a heavy duty windsifter to achieve effective segregation of light materials



SPECIFICATION

FEATURES & BENEFITS

- High separation efficiency
- Fitted as standard with electrical drum positional control
- 30kw Fan
- Compact design
- Variable drum rotation speed
- Nozzle height adjustment
- Variable air intake on fan
- Support Structure
- HVAC Piping
- Full guards with emergency stops

OPTIONS

- Support Frame
- Heavies Conveyor, with optional magnetic head drum for ferrous retrieval
- Lights Conveyor



OPTIONAL SEPARATION



MAGNET



EDDY CURRENT



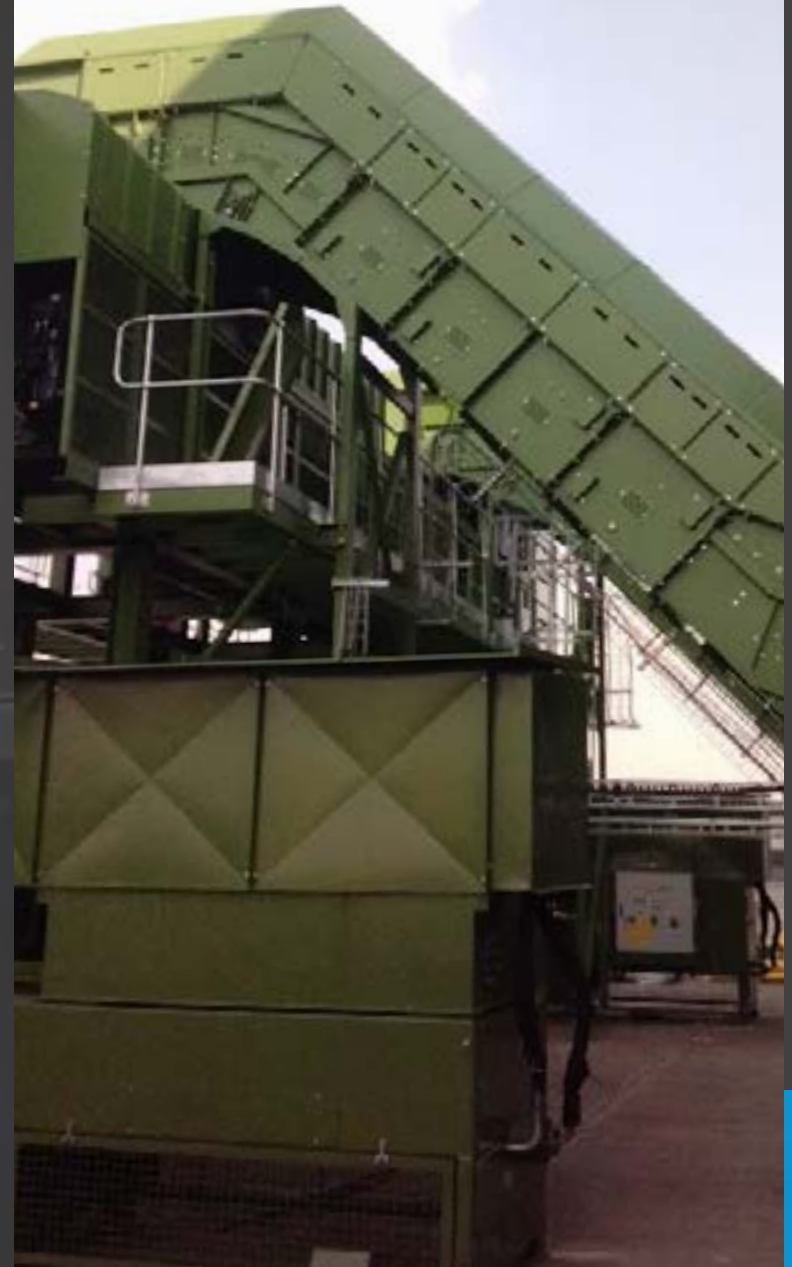
OPTICAL SORTER

HOPPERS / CONVEYORS

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



STEEL BELT FEEDERS



STEEL BELT FEEDERS



LOCAL DISTRIBUTOR

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