



# COMPLETE RECYCLING SYSTEMS



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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**





## WHAT OUR CUSTOMERS SAY

“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**



**Eastwood Demolition**



*“Robust Plant with excellent throughput.”*

**Gordon Haran - Ayrshire Waste Management**



*“A robust plant that can produce over 500 tonnes per day on C&D & C&I Waste.”*

**Martin Carroll - GBN**



*“CRS designed us a high tonnage efficient system to work within a compact space.”*

**Michael Cunningham - Recyco Waste**





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ON SITE FABRICATION

DESIGNED & MANUFACTURED **IN-HOUSE**



**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



CRS NI | Complete Recycling Systems

## MOBILE PICKING STATIONS

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



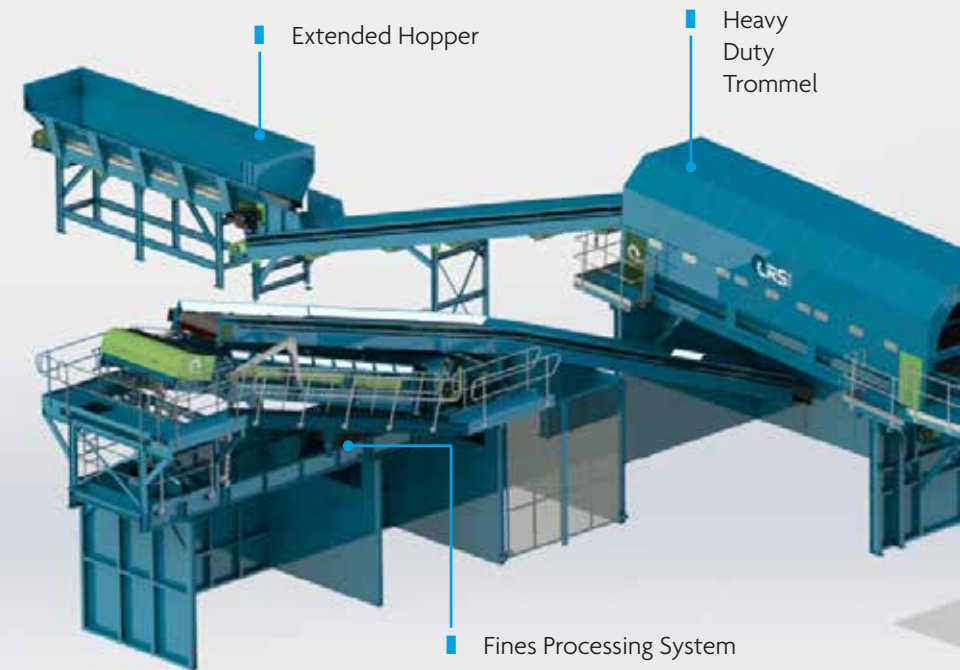
### OPTIONS

- 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

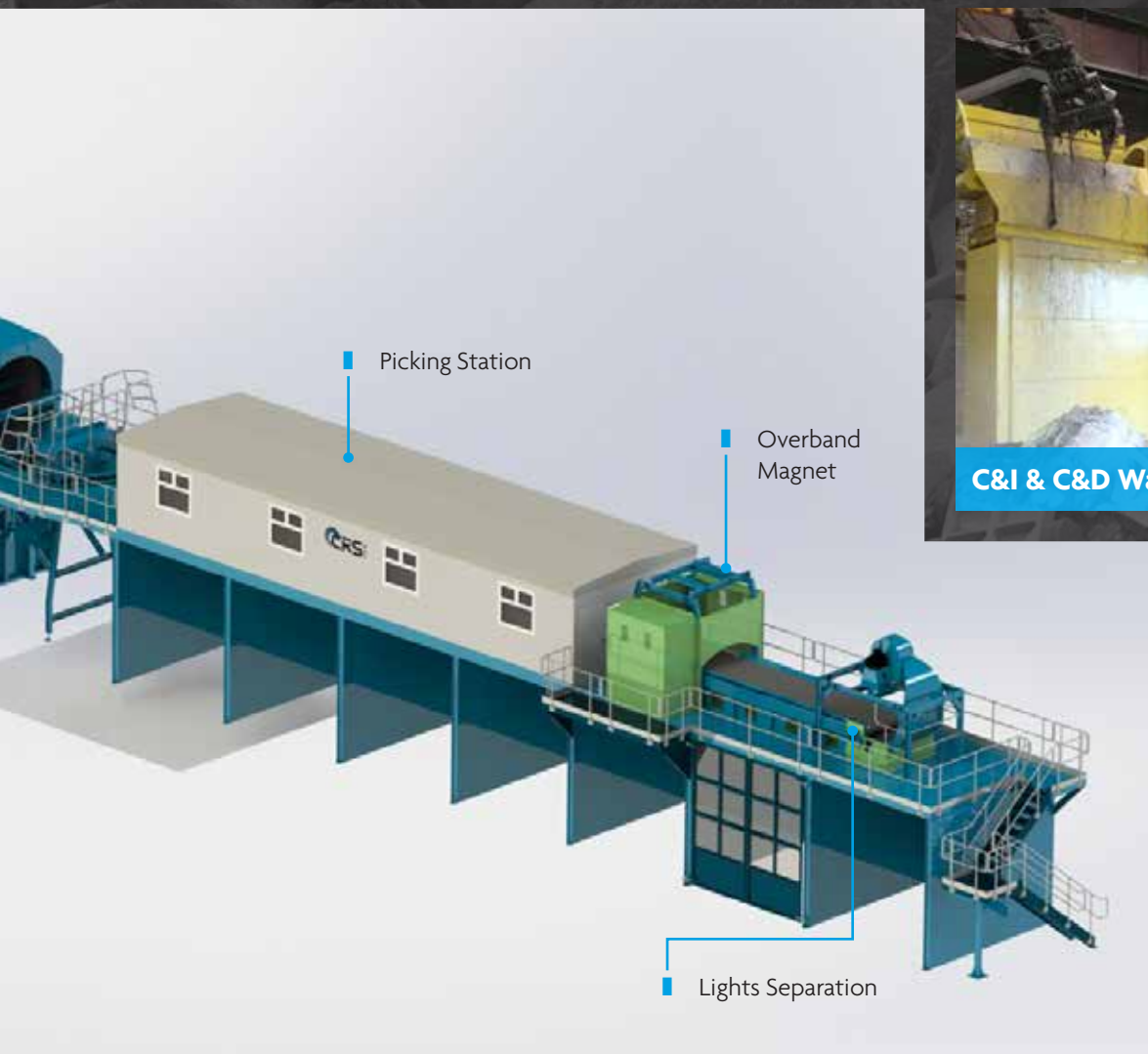




# COMPLETE RECYCLING WASTE SOLUTIONS







**Bill Rinaldi - Enviro Waste**



## 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**



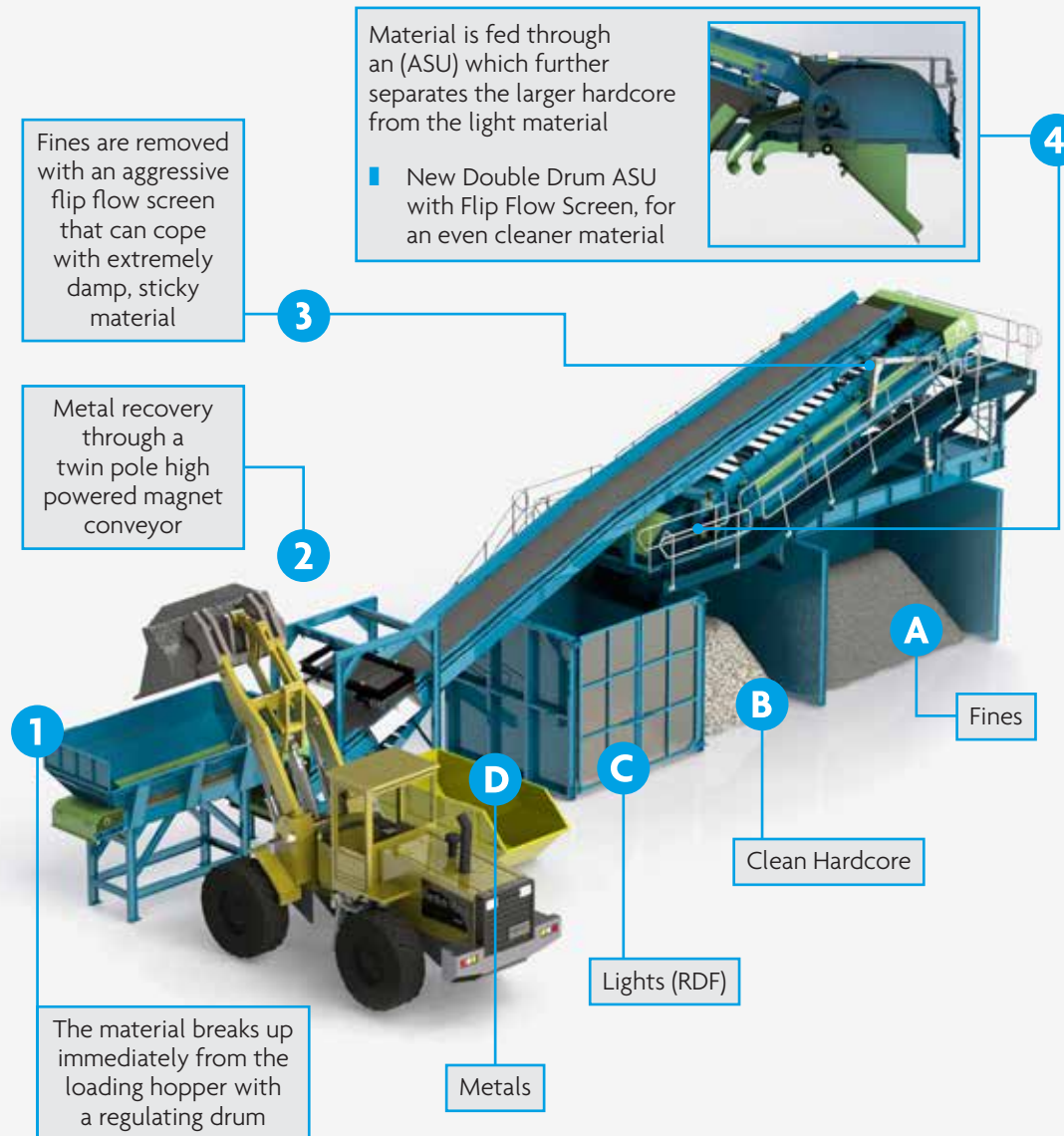
# SPECIFICATION

## 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

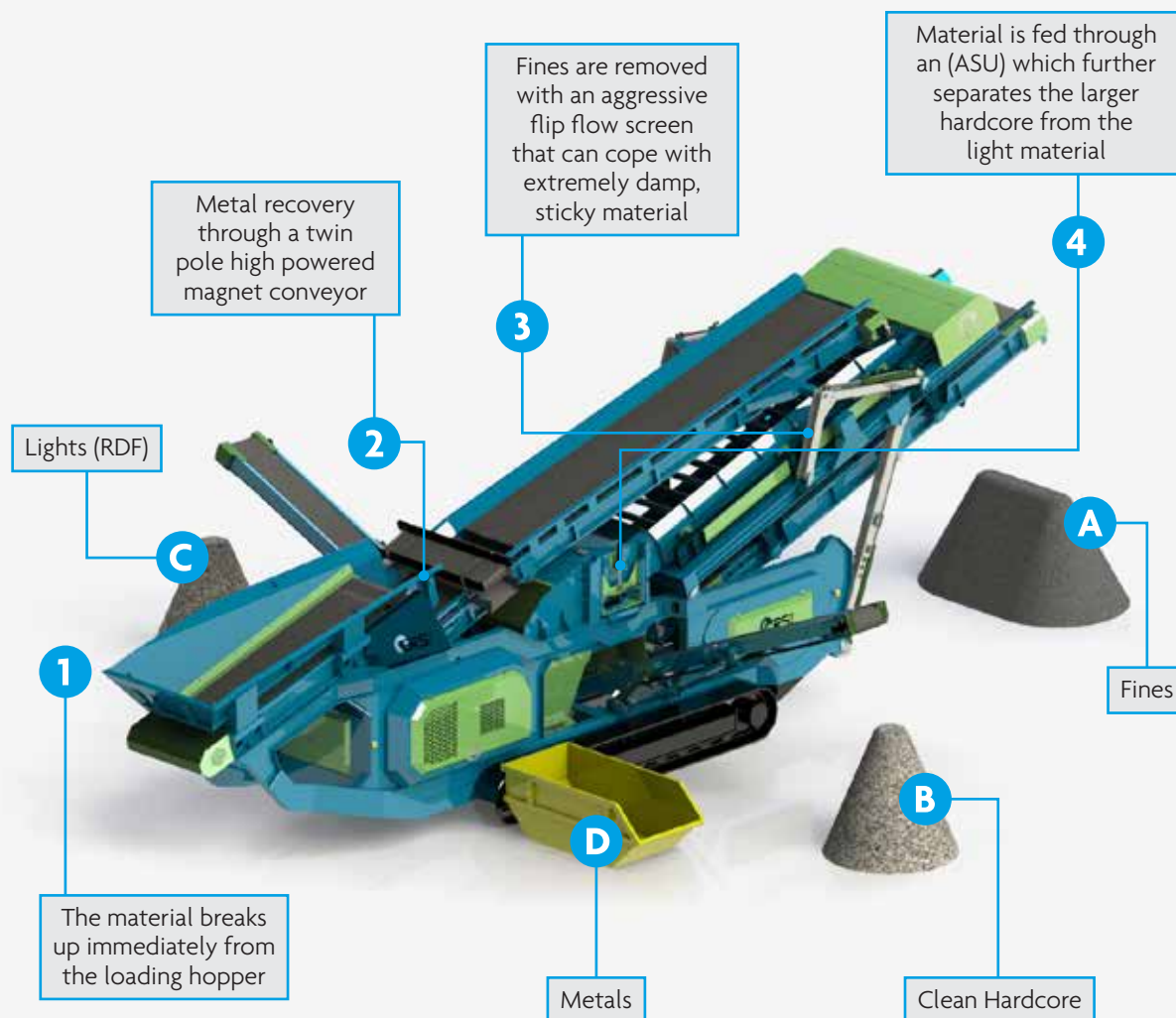
CRS Patented and award winning mobile fines screen for aggressively cleaning and sizing wet, sticky and troublesome materials

“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.

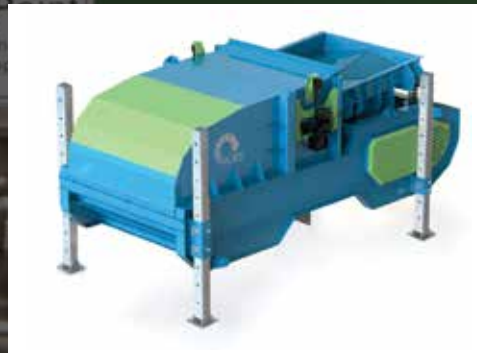
## SPECIFICATION

## FEATURES &amp; 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

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STEEL BELT FEEDERS





## **CRSNI LTD**

136 Termon Road, Carrickmore,  
Co.Tyrone. N.Ireland  
BT79 9HW

**Sales:** +44 (0) 28 8076 0496

**E:** [sales@crsni.com](mailto:sales@crsni.com)

[www.crsni.com](http://www.crsni.com)

LOCAL DISTRIBUTOR

