



Specification and Quotation
Ref: CRS-Q-230-GA-(OPTION 5)



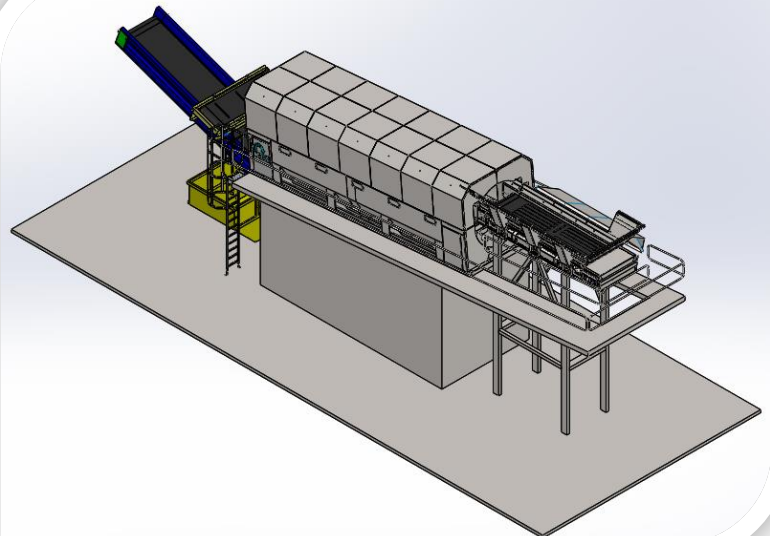
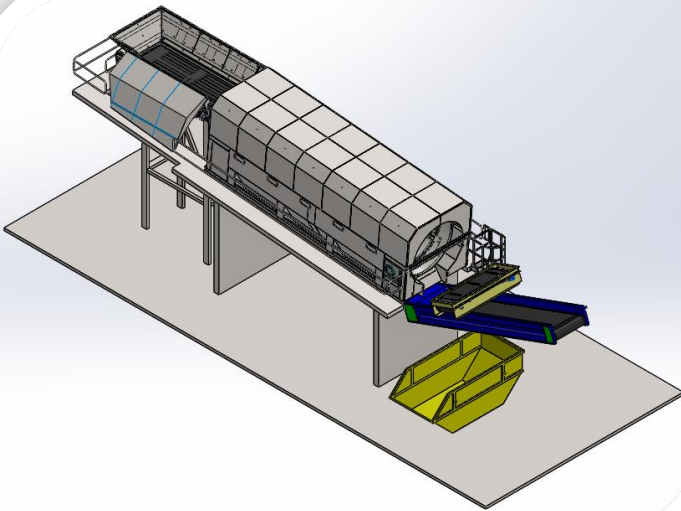
**COMPLETE
RECYCLING
SYSTEMS**

T: +44 (0) 28 8076 0496
E: Marketing@crsni.com
W: www.crsni.com

Office Address: 136 Termon
Road, Carrickmore, County
Tyrone,
BT79 9HW, N.Ireland

PLANT COLOURS

- BASE/MAIN COAT:
 - DETAIL/GUARDS:
- (CRS will paint above to customers paint choice)



1 - 620 Trommel + hopper

Trommel features:

- Heavy duty welded construction
- Specially designed composite chassis, engineered from Universal Beam
- 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 (size: 40mm square)
- 2 No. Wheels independently driven by Motivario Slip on gear motor drive
- 2.0m drum diameter
- 6.0m total screening length
- Variable speed control
- High density polyurethane drive wheels
- High density polyurethane retaining wheel
- SKF 75mm and 50mm bearings
- Full guards with emergency stops
- Various lifting bars on drum to provide aggressive screening action
- Covers (included)

Belt Feeder / Loading Hopper features:

- Heavy duty profile steel construction
- Variable speed (inverter controlled)
- Self tensioning belt scraper
- Full guards with emergency stops

Technical information

- 1000mm wide belt
- 800mm wide between skirts
- 5.0 cubic metre feed hopper
- Nord Slip on gear motor drive
- SKF 50mm bearings (Tail)
- SKF 60mm bearings (Head)
- 293mm dia lagged head drum
- 220mm dia crowned tail drum
- 700mm high spillage plates to rear and back of hopper



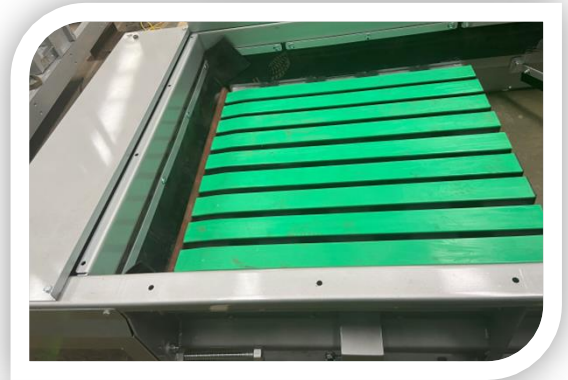
2.0 – Trommel Outfeed Conveyor

Features

- Heavy duty profile steel construction
- Specially designed 8mm and 5mm steel profile to produce high strength section
- Typically **3 times stronger** than traditional 6mm channel designs
- **Wearplates on all boots as standard**

Technical Specification

- **1000mm wide heavy duty rubber belt**
- EP500/3ply – 5mm top cover 1.5mm bottom cover
- 6.3m drum centres
- 5.5kW Hi Torque Motovario slip on gear motor drive
- 100mm dia carry rollers placed at 875mm centres
- 100mm dia disc return rollers placed at 2115mm centres
- Head and Tail are fully enclosed to reduce spillage
- High sides incorporated into conveyor with skirting rubber
- **Impact bars at infeed boot**
- Plough scraper at Tail to reduce material build up
- SKF 50mm bearings (Tail)
- SKF 60mm bearings (Head)
- 288mm dia crowned and lagged drum
- 220mm dia crowned tail drum
- Rosta belt scraper tensioner with polyurethane rubber
- Perspex window at each maintenance point along conveyor
- Dirt chute at tail
- Support legs
- Full guards with emergency stops
- **2 year warranty on all gearboxes**



3.0 - Overband Magnet No.1

1000mm Over band Magnet c/w chute and frame

- High power suspended magnet
- Twin pole magnet for better recovery
- Max 350mm suspension height
- 400 Gauss magnet at 250mm
- Support frame
- Adjustable height settings
- Non magnetic grade Stainless steel chute to customers skip
- Emergency Stops
- Access doors on side for bigger material



4.0 - Access and Walkways

- Access Cat Ladders/Steps and walkways.
- Handrails all galvanized.
- Designed and manufactured to current BSEN standards.



5.0 - Steel Bay Walls

- Bay wall structure are made from 150x75 PFC 178x102x19 UB
- The walls are sheeted with 5 mm mild steel plate and stiffened with 2 rows of 150x75 PFC horizontally and vertically.
- Where possible, bay walls will have brackets to bolt into existing walls for extra strength and rigidity.



6 - Control Panel

- Auto start
- Manual running
- 10 inch HMI touchscreen
- Online support for troubleshooting and backup
- Integrates and controls entire plant



- **Note: The equipment is manufactured in accordance to the relevant British Standards, in particular:**
- Machinery Safety Directive 2008/42/EC (Article 12)
- Electromagnetic Compatibility Directive 2004/108/EC
-
- **The following harmonised standards have been used:**
- BS EN 12100: 2010 Safety of Machinery – General principles for design – Risk assessment and risk reduction.
- BS EN 620: 2002+A1:2010 Continuous handling equipment and systems: Safety and EMC requirements for fixed belt conveyors for bulk materials.
- BS EN ISO 13857: 2008 Safety of Machinery – Safety distances to prevent hazard zones being reached by upper and lower limbs.
- BS EN 349:1993+A1: 2008 Safety of Machinery. Minimum gaps to avoid crushing of parts of the human body (EN 349:1992 Identical).
- **INCLUSIONS**
- The supply of the equipment as described.
- Site work schedule duration on site to be agreed pending site survey of the above mentioned plant and would be based on free uninterrupted access to site during this period. We would require adequate parking space to be available for temporary accommodation and parking whilst the plant is being installed.
- All above machinery delivered to your site and erected on your prepared level reinforced concrete base. CRS will work to a tolerance of 20mm.
- Site installation & commissioning of the above plant only by CRSNI staff.
- Standard lifting and rigging to include, crane, forklift, stair lift & Cherry picker hire by CRS.
- Transport of above plant only to site by CRS.
- Standard Plant Manuals of CRS plan listed above.
- Note: Plant manuals contain the following:
- Full itemised and exploded drawings of plant, including spare part lists.
- Maintenance schedules
- Method statement and risk assessments for the checking and changing of parts
- **EXCLUSIONS**
- Power supply to Main Control panel
- Insurance [customer must insure all equipment from the date of delivery to the Site]
- Skips/Containers/bunkers/collection chutes
- Any other services and expenses not detailed in this proposal
- Preparation of foundations/masonry work at customer's site. Reinstate/Pouring new concrete base under trommel and picking bays.

- **OWNERSHIP**

- Ownership of this equipment is retained by CRS NI Ltd until full payment has been made

- **WARRANTY**

- All new CRS equipment comes with 1 years warranty or 2000 Hours whichever occurs first on non -wear equipment from the date of installation. Warranty does not cover mechanical failure through misuse of equipment, poor housekeeping or poor maintenance. Warranty or any other claim will not cover down time or production costs.

-

- **QUOTATION**

- **Price:**

-

-

-

- **Signed on behalf of:** Myers Group.....

-

- **SIGN:** *P A Bradley*..... **PRINT:** Paul Bradley.....

-

- **DATE**..... 9/11/20.....

-

- **Signed on behalf of CRS NI Ltd**

-

- **SIGN:** **PRINT:**

-

- **DATE**.....