

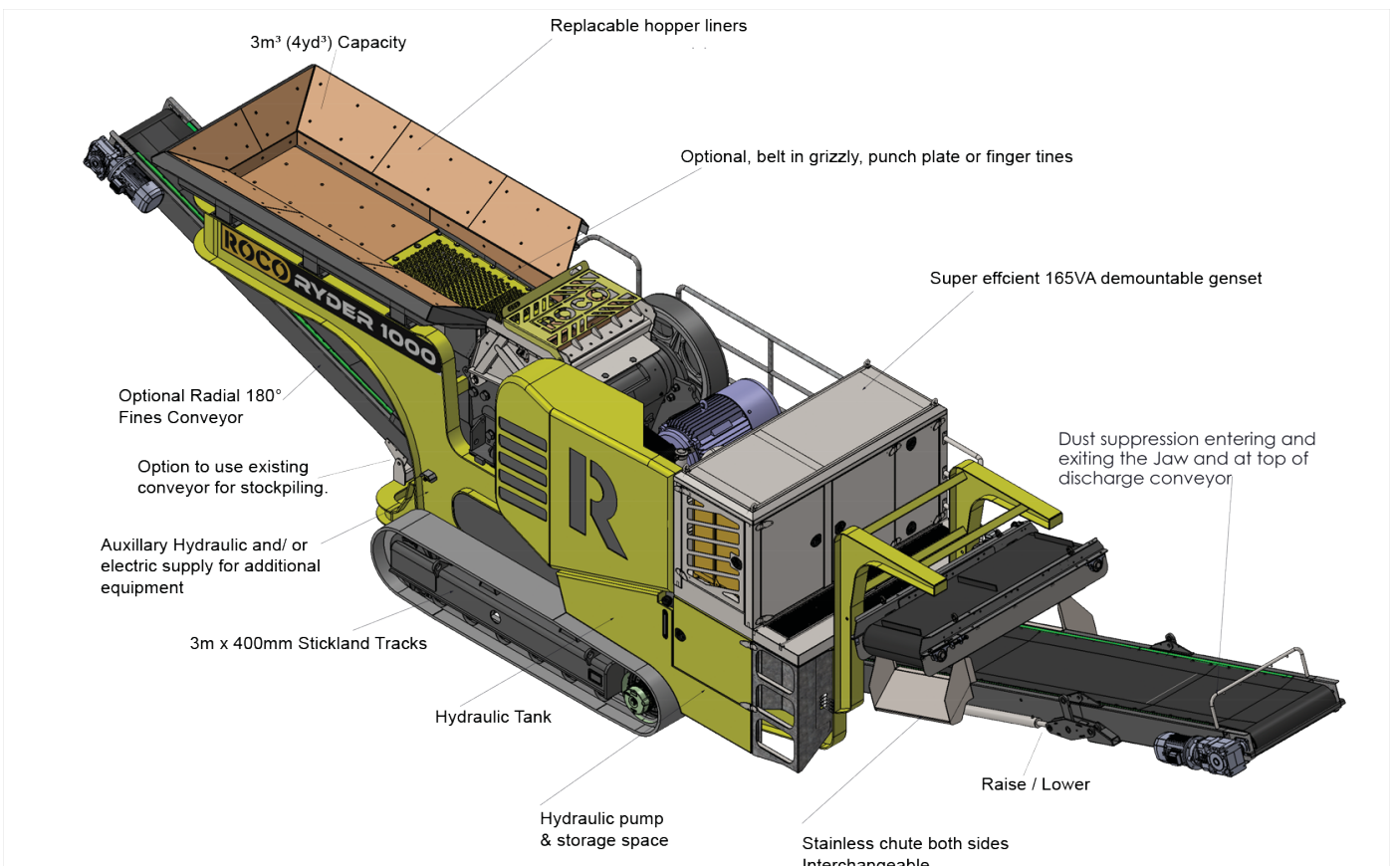
# ROCO RYDER

## 1000



SPECIFICATION SHEET

## Isometric View





## RYDER1000

The new revolutionary in crushing, The **RYDER1000** takes crushing to a whole new innovating level with state of the art brand new Roco design heavily influenced by the operator with record breaking operating costs, ease of maintenance & unique extras that only experience can offer.

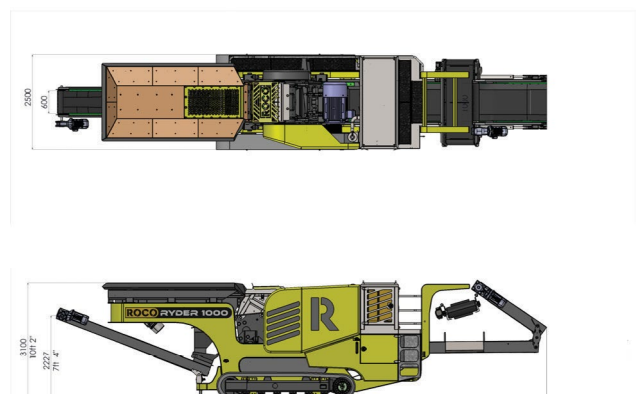
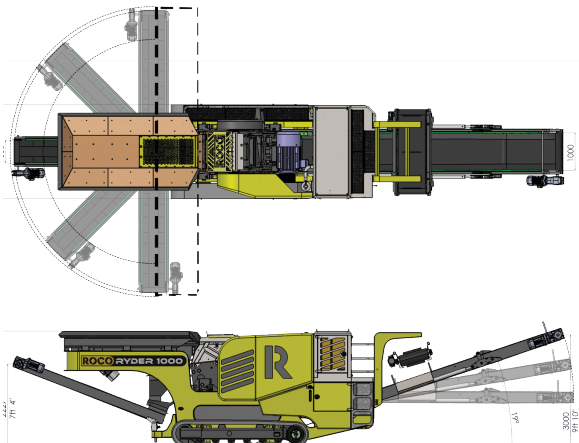
First in class, Diesel - Electric build with option to run 100% with on-site electricity supply

### Working Dimensions

Length:	14.7m / ( 48 ft 3" ) Overall Length including fines conveyor 13.6m / ( 44 ft 7" ) Overall Length without fines conveyor
Width:	2.5m / ( 8 ft 2" )
Height:	3.1m / ( 10 ft 2" )
Weight:	28,000kgs (with side / radial conveyor)

### Transport Dimensions

Length:	12m / ( 39 ft 4" )
Width:	2.5m / ( 8 ft 2" )
Height:	3.1m / ( 10 ft 2" )
Weight:	28,000kgs (with side / radial conveyor)





## Hopper

Length:	3.7m ( 12 ft 2 ")
Width:	2m ( 6 ft 7 ")
Heaped volume:	3.5m <sup>3</sup> ( 4.6 yd <sup>3</sup> )
Water level volume	2m <sup>3</sup> ( 2.6 yd <sup>3</sup> )
Loading Height:	3.1m ( 10 ft 2 ")

Fitted with replaceable liners

## Feeder

- Variable speed control + automatic feed sensor
- Hardox lined replaceable (Wearparts)
- Grizzly section with options to install bofar bars, punch plate or finger tines (Various aperture)
- Pre screen (2<sup>nd</sup> grizzly deck) Mesh can be installed to regulate size of side conveyor material (1.2m x 0.9m) ( 4ft x 3ft ) screening area) or bypass option when no side conveyor fitted

## Discharge Conveyor

Belt width:	1000mm (39")
Discharge Height:	3m( 9 ft 10" ) - Centre of belt
Hydraulic folding	Yes + Hydraulic lowering for ground level maintenance
Impact bed underneath crushing chamber	
Polyurethane sides - no wingrollers, less maintenance.	

## Radial / Side Conveyor

Belt width:	600mm ( 1 ft 11")
Discharge Height:	2.23m( 7 ft 4" ) - Centre of belt
Adjustable: 180° radial	
Option to replace with longer conveyor	
Polyurethane sides - no wingrollers, less maintenance.	



## Crusher Box

Size: 930mm x 580mm  
 Hydraulics: Full hydraulic adjustment, No manual labour.  
 Reverse run option: Yes  
 MIN CSS: 40mm (Recycling) / 60mm (Hard material)  
 MAX CSS: 175mm  
 Wear parts: 18%Mn  
 RPM: 330  
 Reversible jaw liners for maximum usage

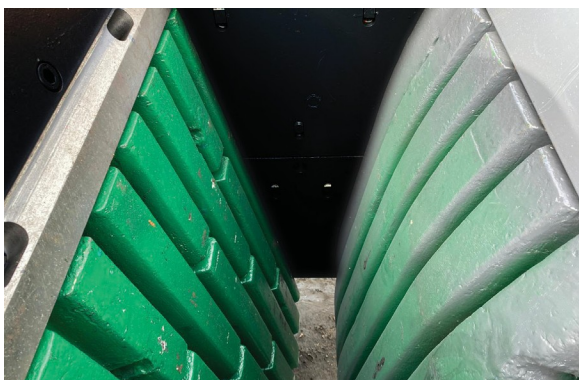
Adjustable deflector plate installed to prevent damage to discharge conveyor. Extra large 600mm clearance under crushing chamber, ideal for processing recycled material

### **RYDER**

CSS	40mm	50mm	60mm	70mm	80mm	90mm	100mm	125mm	150mm	175mm
MTPH	50	70	120	140	160	180	200	250	300	350
STPH	55	77	132	154	175	196	224	280	336	392

Recycling material

Based on crushing natural aggregates





## Electrics

Extra electric auxiliary installed to operate additional screen box, conveyor and work tools

Start/Stop system with overload and failure protection.

Terminals to connect to on-site electricity supply (400v).

Emergency stops:	Yes, Remote control, Left + Right Chassis + feed
Start Siren:	Yes
Flashing Beacon:	Yes
Safety Switches:	Yes
Work lights	Yes

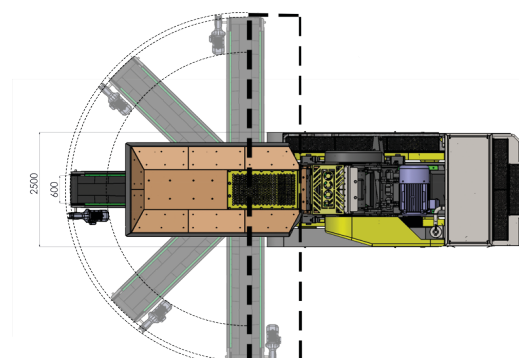
## Spec options

1. Overband magnetic (Installed)
2. Raise and lower discharge conveyor (installed)
3. Dust Suppression (Installed)
4. Connection terminals for permanent power supply (installed)
5. 180 ° Radial dirt conveyor or option to use chute to feed existing conveyor on site (Optional)
6. Full remote control (Optional)
7. Full dust covers for Discharge conveyor. (Optional)

## Power unit options

Set speed (1500rpm) engine + 165kva generator

- T4F - (USA Compliant) 1800Rpm /60HZ
- T3B / Stage 5 - (EU Compliant)
- T3 - (ROW)



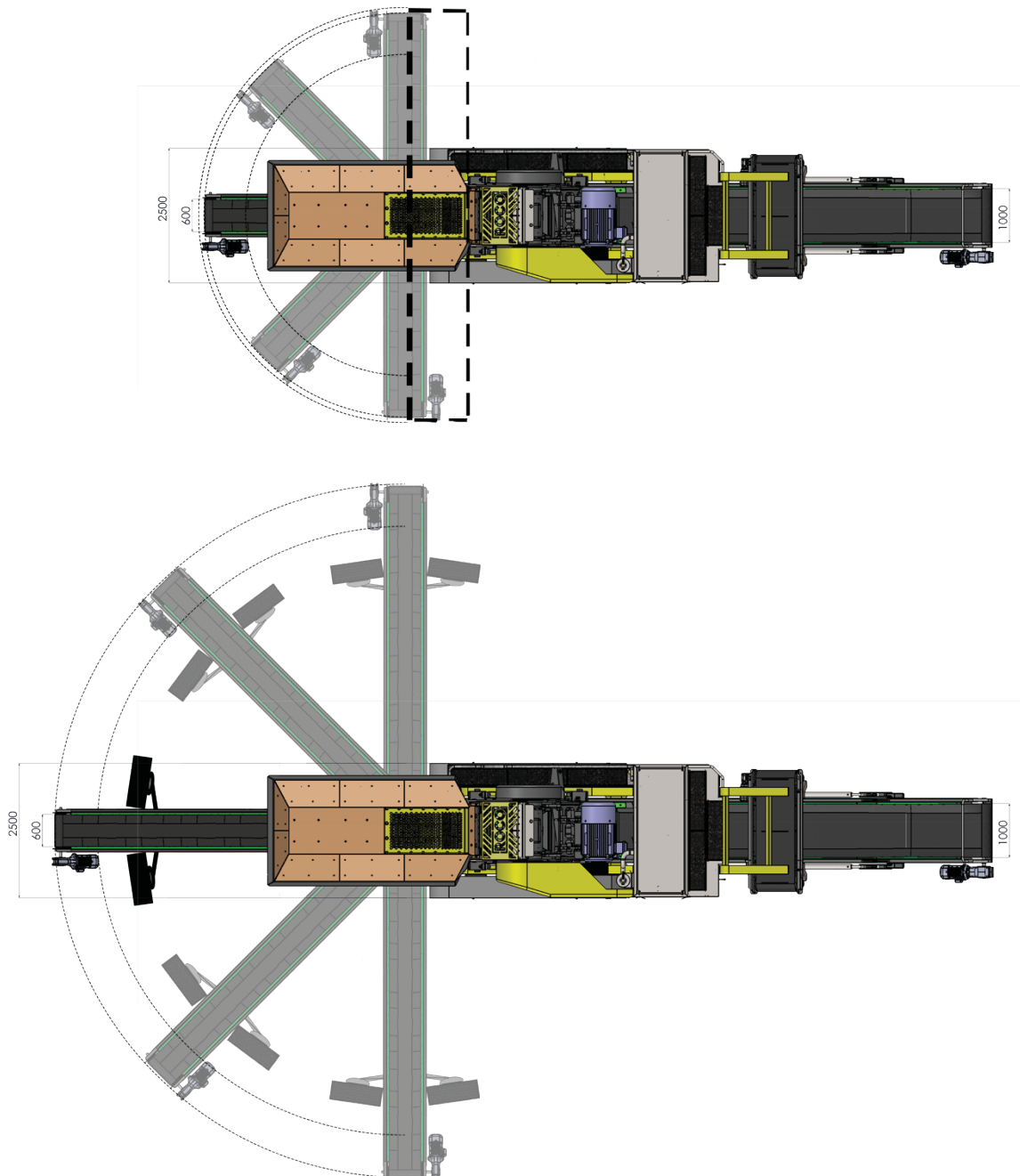


## Features and Benefits

- Low noise set speed engine (1500RPM - 96db)
- Record breaking 70% fuel saving in comparison to same class diesel hydraulic crushers.
- Optional 180 ° radial dirt conveyor or option to use chute to feed existing conveyor on site
- 600mm / 2ft clearance under crushing chamber (ideal for recycling material)
- Option to operate full plant with on-site electricity supply (400v) ideal for indoor use
- Extra electric auxiliaries to operate additional equipment e.g. screen, conveyor, work-tools.
- Ground level controls and maintenance, Hyd lowering of discharge conveyor
- Engine / genset can be fully demounted for any major over haul or ease of maintenance
- Permit free movement
- Automatic feed sensor for optimum crushing and over ride control
- All access platform and work lights installed.
- Emergency stop switches installed (Dog-lead, Main chassis Left & right, feed area, engine bay)
- CE Compliance Complete with Certificate.
- Lockable Shutdown / Isolator Switch.
- Full Hardback User Manual & Parts Manual Provided + USB stick for office use.
- Safety Shutdown Sensors to Oil, Level Over-speed, Water Level / Over Heating.

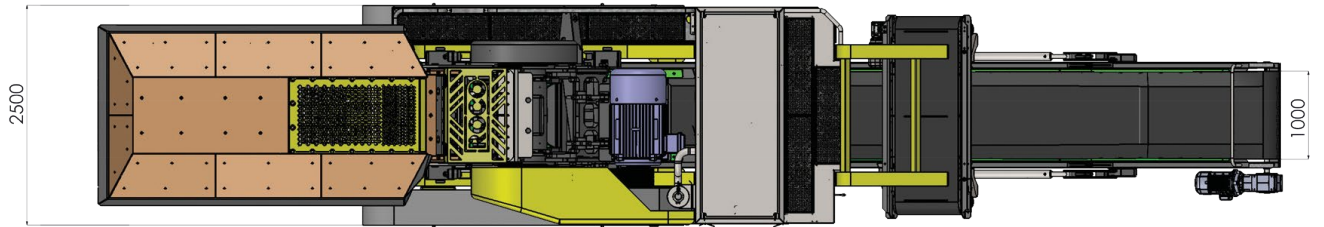


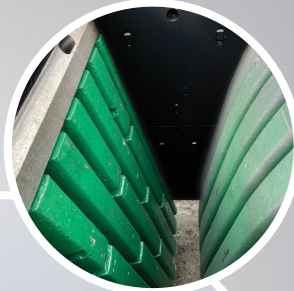
## Working Position (with radial conveyor)





## Working Position (without radial conveyor)





205A Concession Road  
Crossmaglen, Newry  
Co. Armagh, Northern Ireland  
BT35 9JD

**T** +44 28 30868833  
**E** [sales@roco9.com](mailto:sales@roco9.com)

