

COLT 1000

SCALPING SCREEN

TECHNICAL
SPECIFICATION



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READER TO VIEW THIS DOCUMENT.

OVERVIEW

1

HOPPER

- 5m³ (6.5yd³) Hopper Capacity
- 1100mm (44") wide belt
- Variable speed

2

SCREEN

- 4.1m (13'6") x 1.22m (4') Double deck screen
- Variable screen angle
- Wide range of screen media
- Top Deck - Bofor Deck, Fingers, Punch Plate, 3D Punch Plate & Mesh
- Bottom Deck - Mesh & Fingers

3

CONTROL SYSTEM

- Simple intuitive operation

4

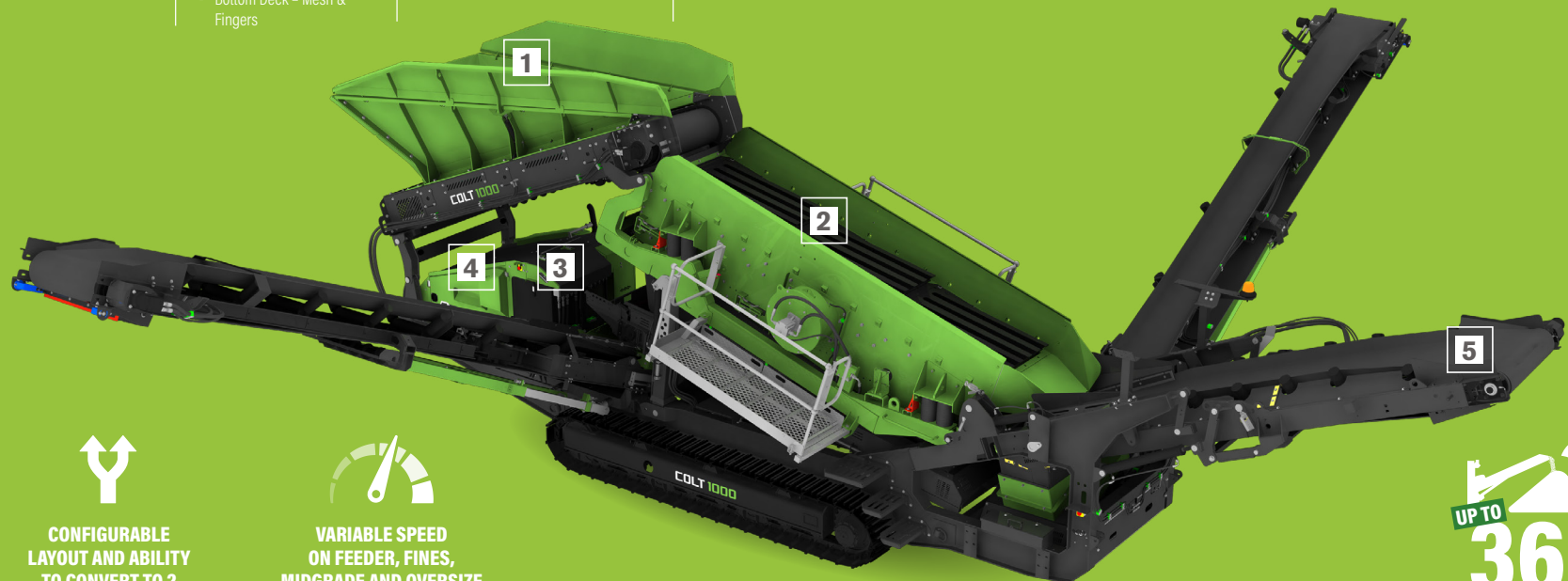
ENGINE OPTIONS

- Tier 4 Final / Stage IIIB Cat 3.4 55kW (74HP) @ 2300 rpm
- Simple to operate

5

CONVEYORS

- 1000mm (40") Wide collection conveyor with SCS scraper
- 800mm (31") Wide fines conveyor with 3.9m (12'8") discharge
- 650mm (26") Wide midgrade conveyor with 3.7m (12'2") discharge
- 1050mm (41") Wide oversize conveyor with 3.2m (10'4") discharge



CONFIGURABLE
LAYOUT AND ABILITY
TO CONVERT TO 2
WAY SPLIT



VARIABLE SPEED
ON FEEDER, FINES,
MIDGRADE AND OVERSIZE
AS STANDARD

UP TO
360
TONNES PER HOUR
(396 US TPH)

FEEDER

Heavy duty belt feeder, high torque gearbox and motor drive:

- 1100mm (44") wide 4 ply Plain belt
- Heavy duty impact bars supporting belt
- Variable speed control
- Supergrip drive drum standard



HOPPER

5m³ (6.5yd³) hopper mounted on heavy duty belt feeder including:

- Hydraulic folding hopper extensions as standard
- Integrated drive pulley gearbox
- Folding rear hopper door for direct feeding
- 3m to 4.1m feed-in height
- Proud discharge



SCREENBOX

**Versatile and configurable 4.1m x 1.22m (13' 6" x 4')
Double deck screen providing:**

- Aggressive performance to tackle most rugged applications. With accelerations reaching up to 6g and speeds of up to 1,020rpm
- A comprehensive variety of media options (mesh, punch plate, finger tines, 3D punch plate, bofors and Screen blanket to control material progress at steeper screening angles.
- Excellent service access is provided by the raising sub-frame gaining entry below the screen for bottom deck mesh changes
- Rapid mesh changes
- Variable screen angle 14-18degrees
- 10mm factory set throw 12mm throw can be achieved by a suitably trained service person with parts from spares
- Side tensioned top and end tensioned bottom deck
- 2 bearing shaft arrangement with direct drive system



CONVEYORS

FINES CONVEYOR

Broad 800mm/31.5in wide fines 3 ply belt which includes:

- Up to 3,900mm (12' 9") discharge height
- Robust double sided framework
- Self tensioning feedboot extensions
- Simple folding mechanism
- Roller supported
- Variable speed control
- Fixed angle
- Chevron or Plain belts available



CONVEYORS

MID-GRADE CONVEYOR

650mm (26") wide mid-grade 3 ply belt which includes:

- Up to 3,600mm (11' 10") discharge height
- Self tensioning feedboot extensions
- Simple folding mechanism
- Chevron or Plain belts available
- Variable Speed control to manage larger pieces or prevent roll-back.



CONVEYORS

TAIL CONVEYOR

1,050mm (41") wide 3 ply chevron belt featuring:

- Up to 3,000mm (9' 10") discharge height
- Impact bed support
- Complements screen width
- Two Way Split conversion
- Variable Speed control
- Compact fold (hydraulic fold manipulation)



CONVEYORS

COLLECTION CONVEYOR

Full length under screen conveyor:

- 1,000mm (40") wide 3 ply belt
- Premium head drum scraper (3 position tear drop)
- Adjustable control at transfer point



POWER UNIT

User-friendly powerunit including:

- Tier 4 Final / Stage IIIB Cat 3.4 55kW (74hp) @2300rpm
- Simple and familiar controls
- Common componentry and service items
- Diesel tank capacity 327L (72 gallon / 86 US Gal) .
- Hydraulic tank capacity 500L (110gallon 132 US Gal)



TRACKS

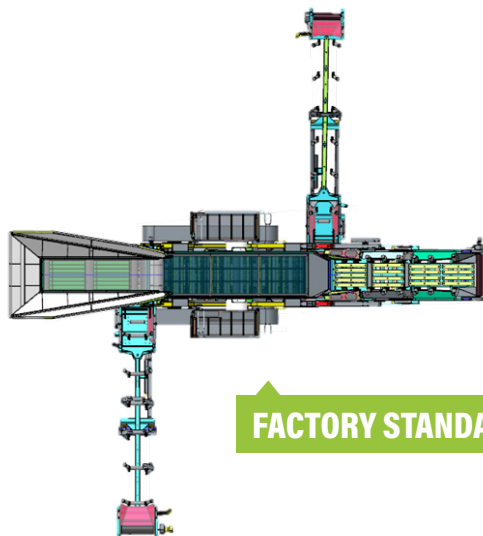
- Track width 400mm
- Max speed 1.9km/h
- Max grade ability 35 degrees
- Total flow per track 60LPM



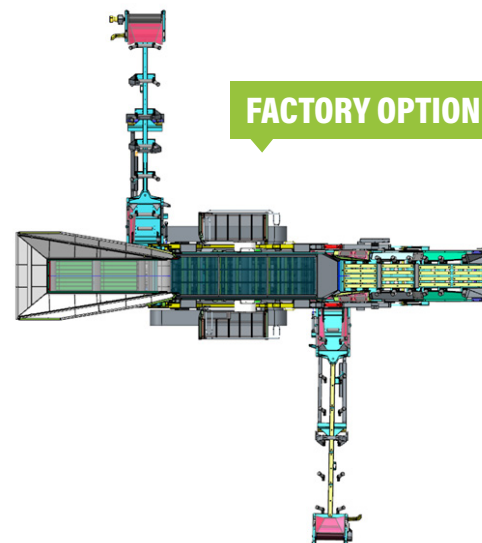
CONFIGURATION

The Colt 1000 is entirely reconfigurable. In the field both conveyors can be placed on the same side of the unit – either left or right.

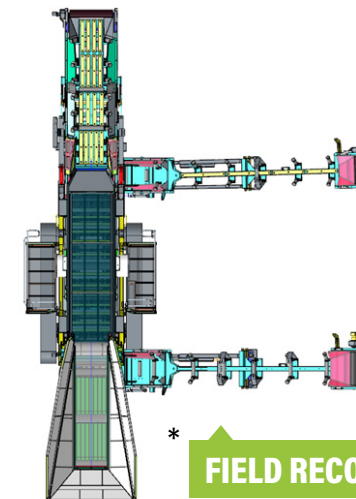
*Plant needs to be returned to its original configuration for Transport.



FACTORY STANDARD



FACTORY OPTION



*** FIELD RECONFIGURATION**

OPTIONS

CONVEYOR OPTIONS

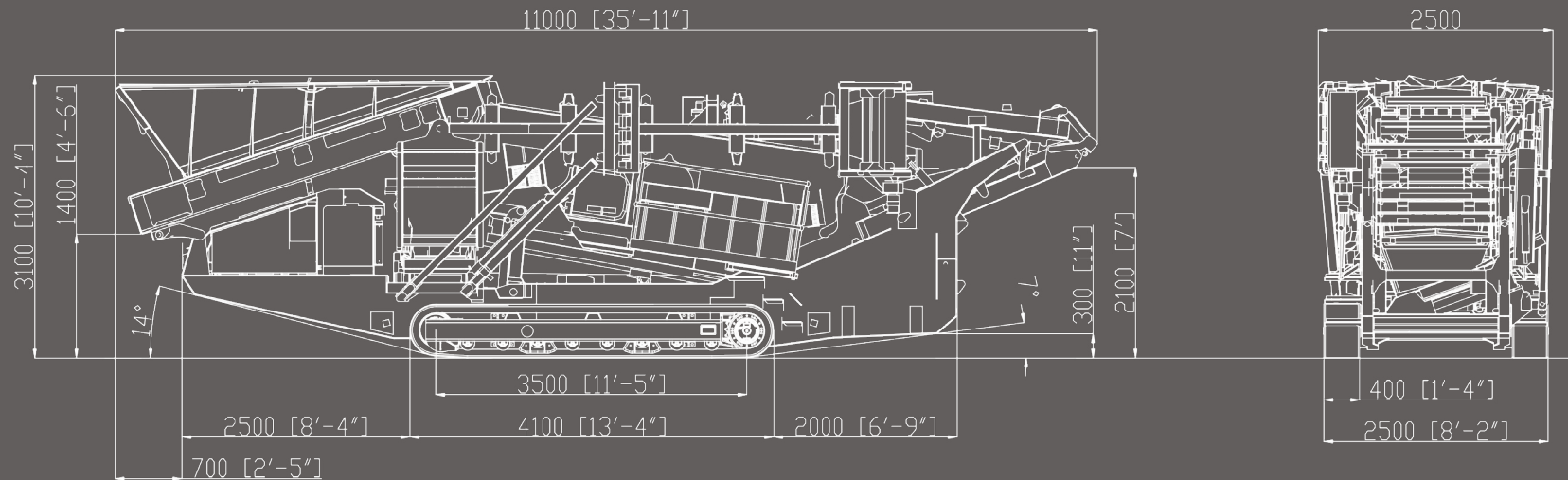
- Chevron belt for Fines and mid-fines conveyors
- Conveyor removed – 2 way split
- Conveyors reconfigured (fines for LH discharge, midgrade RH side discharge)

OTHER OPTIONS

- Quick release wedge screen tensioning system (side tensioned only)
- Telemetry
- Auto lube system
- Crawler track with radio control system, 2V battery charger & mains charger
- Hot / Cold Climate oils
- Maintenance Platform
- Screen blanket for material retardation
- Wide range of screen media
- Different coloured machine

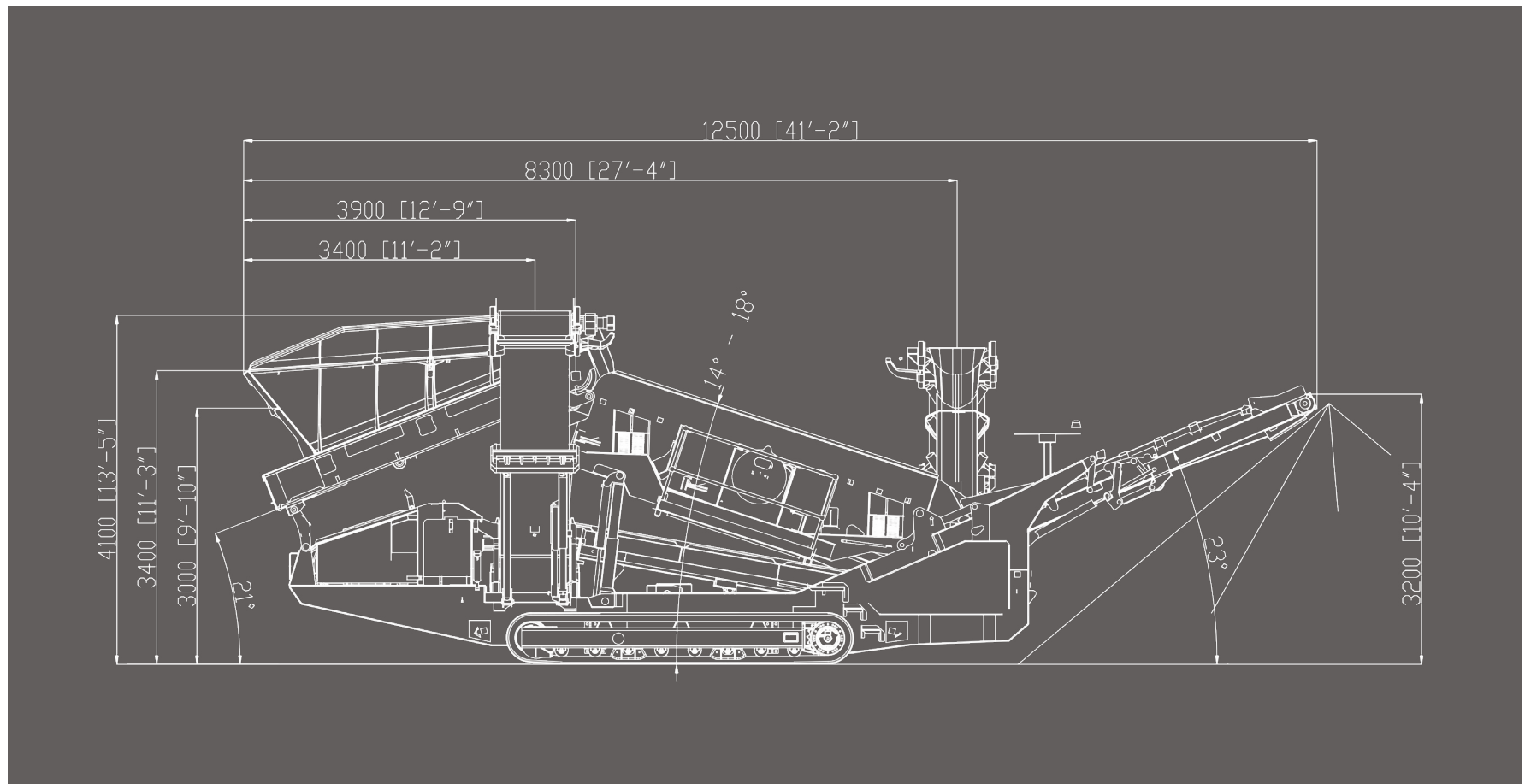
WEIGHTS & DIMENSIONS

Length: 11m (35' 11") **Width:** 2.5m (8' 2") **Height:** 3.1m (10' 4") **Weight:** (standard machine) Tier 4F: 20,750Kgs (45,745lbs)



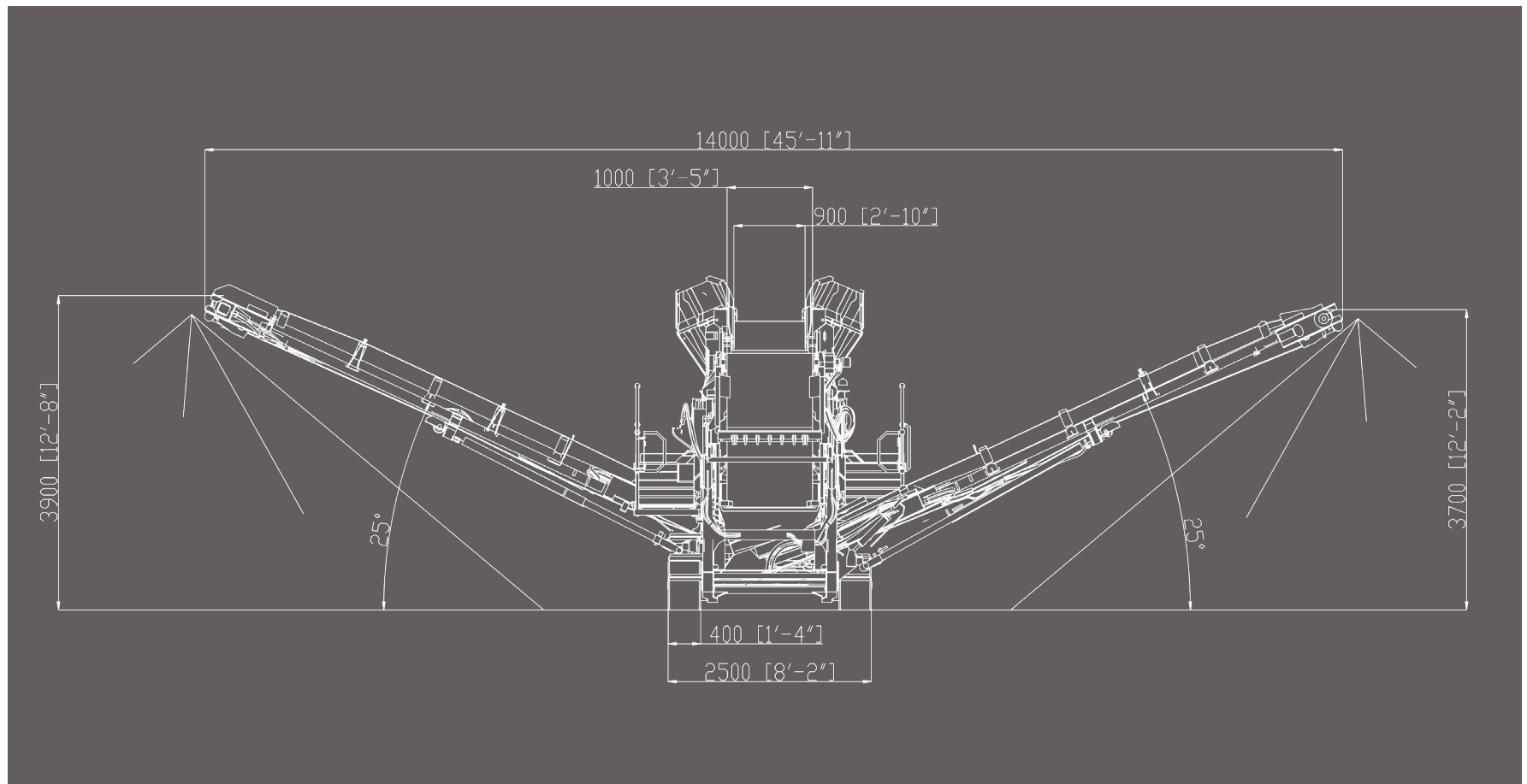
WEIGHTS & DIMENSIONS

WORKING



WEIGHTS & DIMENSIONS

WORKING



GALLERY & MEDIA



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