

FALCON 1630

3 DECK FINISHING SCREEN

TECHNICAL
SPECIFICATION

OVERVIEW

1

HOPPER/FEEDER

- 7.5m³ (9.8yd³) hopper capacity
- 4.85m (15' 10") long hopper and belt feeder
- 1.05mm (42") wide feeder belt

2

ENGINE OPTIONS

- Tier 3:
CAT C4.4 83kW (111Hp)
- Stage V:
CAT C3.6 82kW (110hp)

3

SCREEN

- 4.8m x 1.53m (16' x 5') top & middle deck screen
- 4.3m x 1.53m (14' x 5') bottom deck screen

4

CONVEYORS

- 1050mm (42") wide main conveyor
- 1200mm (48") wide fines conveyor with 4.23m (13' 10") discharge
- 650mm (26") wide mid-size & overs with 4.72m (15' 6") discharge

5

TIPPING GRID

- 4.85m (15' 10") long tipping grid as standard
- Adjustable angle tipping grid with integral loading and wing plates

6

CONTROL SYSTEM

- Simple intuitive operation



UP TO
500
TONNES PER HOUR
(551 US TPH)

OVERVIEW

- The Falcon 1630 finishing screen is an easily transportable machine that offers operators rapid set up and tear down times.
- The screen-box features three decks giving a large screening area of 170ft² (15.7 m²) to provide efficient screening and high capacity.
- The screen-box features quick wedge tensioning, access holes and bottom deck hydraulic tensioning system to reduce time required for mesh changes.
- All four discharge conveyors are adjustable and hydraulically fold for transport.
- The fourth product 'oversize' conveyor has variable tilt and side slew to accurately discharge material for recirculation and stockpiling.

APPLICATIONS:

Sand &
Gravel

Top
Soil

C&D
Waste

Processed
Minerals

River
Rock

Composted
Materials

Wood
by-products

Overburden

FEATURES & BENEFITS

- High capacity up to 500 tph (depending on feed size, mesh size & material type)
- Maximum feed size 150mm
- Engine protection shutdown system
- Powerunit featuring a transverse engine arrangement to aid access & serviceability
- Heavy duty single shaft incline screenbox with adjustable stroke, angle & speed
- Hydraulic screen tensioning
- Screen mesh access system for quicker mesh changes
- Maximum mobility with heavy duty, low ground pressure crawler tracks
- Removable heavy duty pendant remote control system
- Quick set up time
- High performance hydraulic system - cast iron pumps & motors complete with hydraulic cooler
- Low profile double deck vibrating grid option with radio remote control tipping grid rams, angle adjustable & fully riveted construction
- Hydraulically folding conveyors for transport
- Fines conveyor drop down facility to aid bottom deck mesh access

TIPPING GRID

- 4.85m (15' 10") long tipping grid as standard for primary scalping
- Feed height (to top of tipping grid): 3.7m (12' 2")
- Radio remote controlled as standard
- Variable angle
- Standard 102mm (4") grid aperture with optional 152mm (6") available



HOPPER/FEEDER

- 4.85m (15' 10") long hopper and belt feeder
- Feed height: 3.65m (11' 11") (side)
- 3.33m (10' 11") (rear)
- 1050mm (42") wide 3 ply feeder belt
- Hydraulic Drive via high torque gear box
- Variable speed
- Target area: 4.85m (15' 10") long x 1.85m (6') wide
- Grid aperture: 102mm (4")
- Hopper capacity: 7.5m³ (9.8 cu. yd.)
- Adjustable angle tipping grid with integral loading and wing plates



SCREENBOX

TRIPLE DECK

Triple deck incline screen:

- 4.8m x 1.53m (16' x 5') 3 deck incline screen
- 4.8m x 1.53m (16' x 5') top & middle deck
- 4.3m x 1.53m (14' x 5') bottom deck
- Highly aggressive screen drive
- Grease filled 2 bearing screenbox
- 4 of media sections (side tension) top/middle deck
- 2 of media sections (end tension) bottom deck
- Hydraulic screen angle adjustment 20° - 30°
- Hydraulic screen tensioning on bottom deck
- Galvanised walkways on both sides of screen



CONVEYORS

MAIN CONVEYOR

- 1050mm (42") 3 ply plain belt
- 10.17m (33' 4") drum centres
- 286mm (11") drum diameter (drive)
- 270mm (10") drum diameter (tail)
- Hydraulically adjustable conveyor, fully skirted & sealed



CONVEYORS

MID-OVERS & MID-FINES

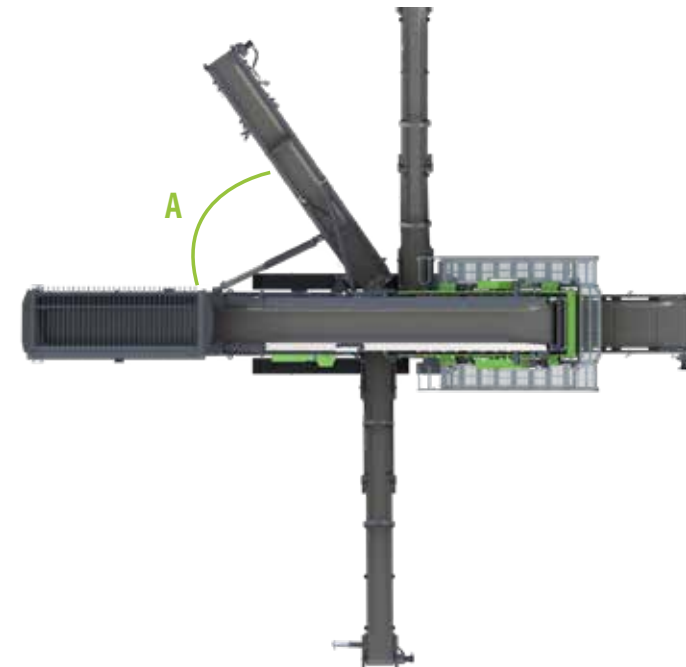
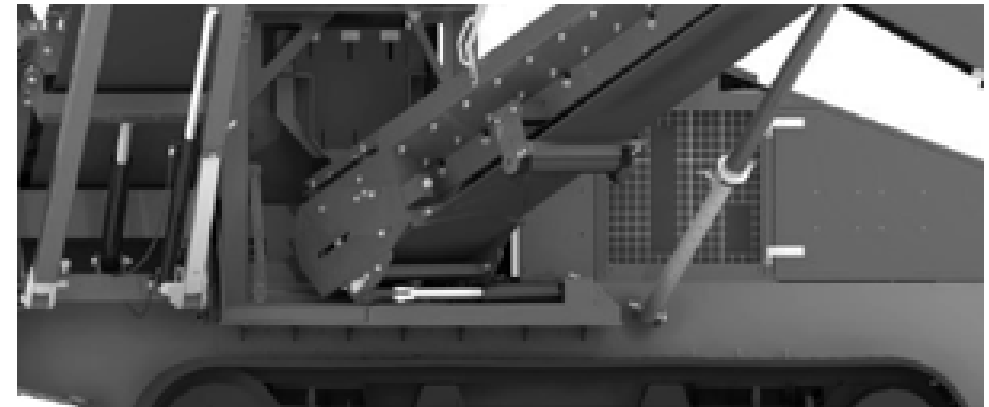
- 650mm (26") wide 3 ply chevron belt
- 9.67m (31' 8") drum centres
- 286mm (11") drum diameter (drive)
- 270mm (10") drum diameter (tail)
- 4.72m (15' 6") stockpile height (to drum centre)
- 157m³ (205yd³) stockpile volume
- Variable speed control
- Hydraulically folding
- Fixed angle: 25°



CONVEYORS

OVERSIZE CONVEYOR

- 650mm (26") wide 3 ply chevron belt
- 3.93m (12' 11") stockpile height (to drum centre)
- 90m³ (118 cu. yd.) stockpile volume
- Variable speed control
- Hydraulic folding
- Fixed angle: 25°



CONVEYORS

FINES CONVEYOR

- 1200mm (48") wide 3 ply plain belt
- 4.23m (13' 10") stockpile height (to drum centre)
- 113m³ (148 cu. yd.) stockpile volume
- Variable speed
- Hydraulically folding
- Chevron belt as option
- Angle adjustment: 0° - 25°



POWER UNIT

TIER 3

- CAT C4.4
- Engine Power: 83kW (111Hp)
- Engine Speed: 2200rpm
- User friendly powerunit
- Access to both sides of the engine
- Visual Electronic Control
- Hydraulic Tank: 564 litres / 124 UK gal / 149 US gal
- Fuel Tank: 336 litres / 72 UK gal / 88 US gal)

STAGE V

- CAT C3.6
- Engine Power: 82kW (110Hp)
- Engine Speed: 1800rpm



TRACKS

- Shoe Width: 400mm (16")
- Sprocket Centres: 3.28m (10' 8")
- Speed: 0.9km/p
- Gradeability: 27°



OPTIONS

- Custom colour machine
- Quick release wedge tensioning for top deck
- Vibrating grid discharge chute
- Radio controlled tracking
- Grid aperture: 152mm (6")
- Hydraulic oil grade 68
- Double Deck Vibrating Grid (see page 14)
- Extended Auxiliary Conveyor

VIBRATING GRID (OPTION)

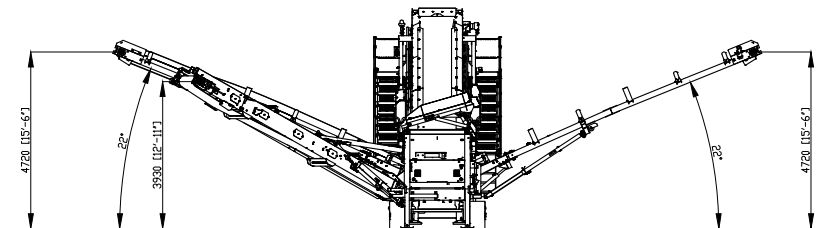
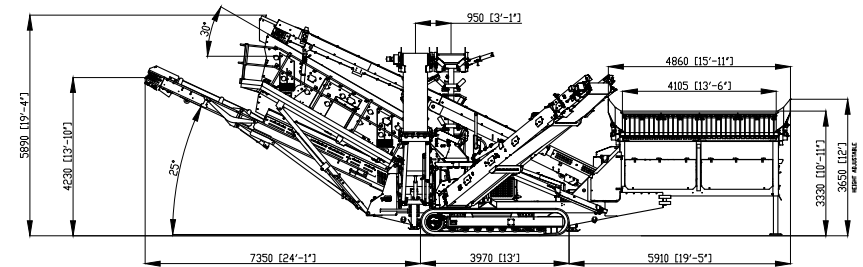
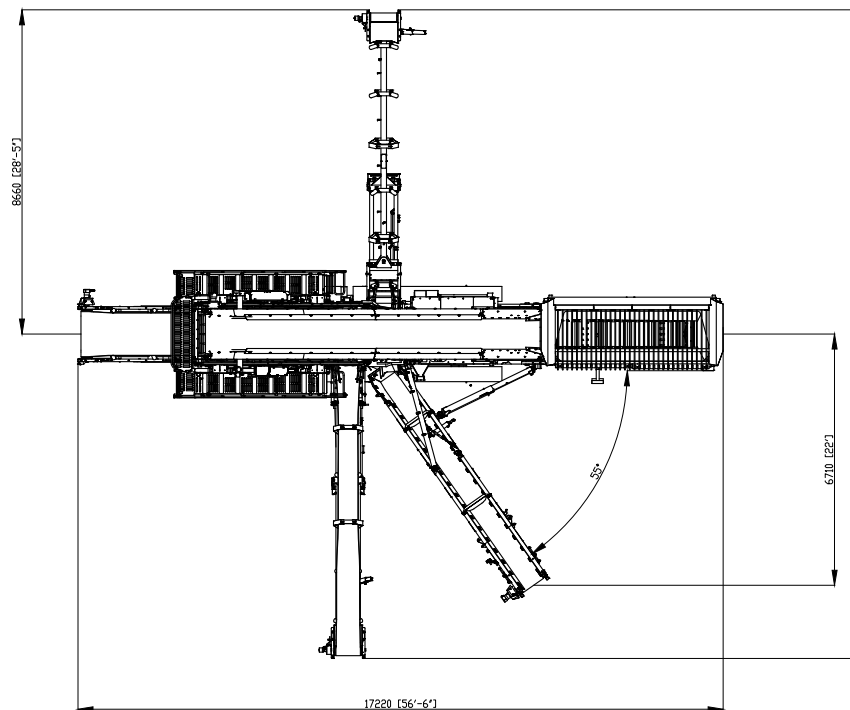
DOUBLE DECK VIBRATING GRID (OPTION)

- Target area: 3.8m (12' 6") long x 2.2m (7' 3") wide
- Bottom deck screen size: 2 of 1.9m (6' 3") x 1.5m (4' 11")
- Working angle: 10° - 20° (hydraulic adjustable)
- Tip angle: 45° max
- Feed in height: 3.73m (12' 2") (side)
- Feed in height: 3.93m (12' 10") (rear)
- Transport height: 3.98m (13')
- Total weight: 4,000kg (8,818lbs)

WEIGHTS & DIMENSIONS

WORKING

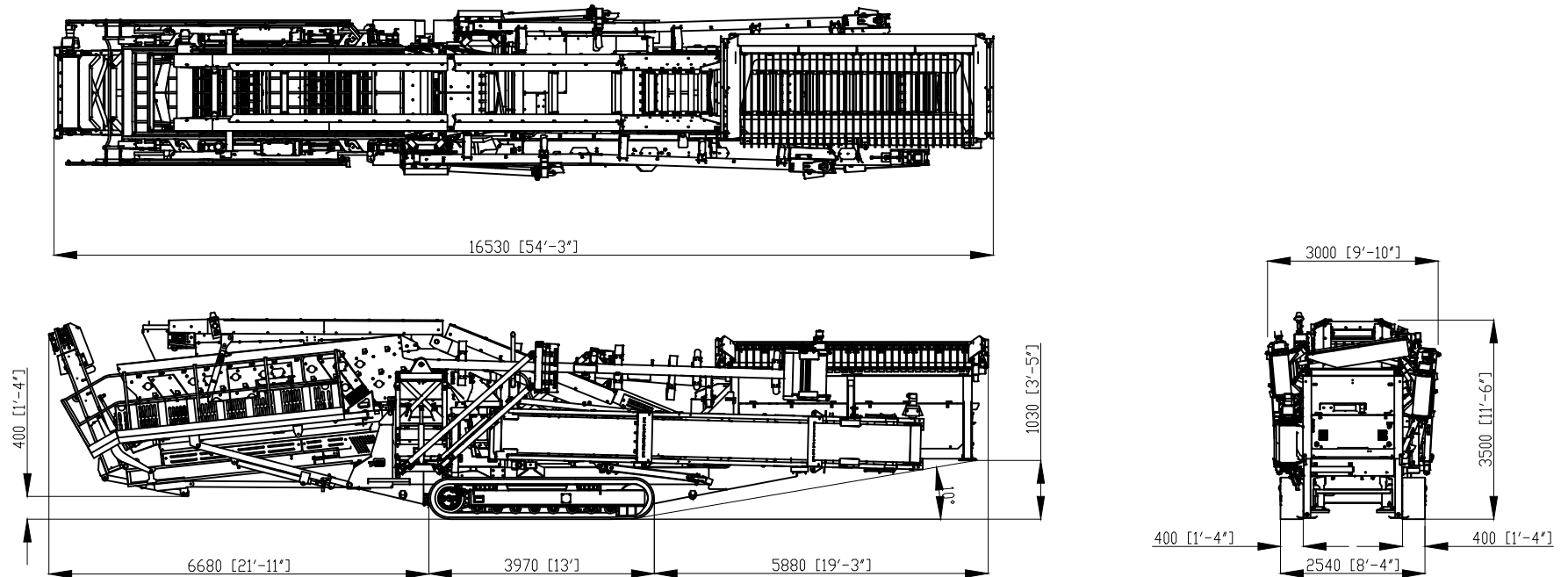
Length: 17.22m (56' 6") **Width:** 17.32m (56' 10") **Height:** 5.89m (19' 4") **Weight:** 29,8000 kgs (65,698lbs)



WEIGHTS & DIMENSIONS

TRANSPORT

Length: 16.53m (54' 3") **Width:** 3m (9' 10") **Height:** 3.4m (11' 3")



200 Coalisland Road,
Dungannon, Co. Tyrone, BT71 4DR
Tel: +44 28 8771 8500
Email: EvoQuip@terex.com



terex.com/EvoQuip

The material in this document is for information only and is subject to change without notice.

Terex assumes no liability resulting from errors or omissions in this document, or from the use of the information contained herein.

Due to continual product development we reserve the right to change specifications without notice.

Photographs are for illustrative purposes only, some or all of the machines in the illustrations may be fitted with optional extras.

Copyright 2026 Terex GB Limited. Published in July 2026.