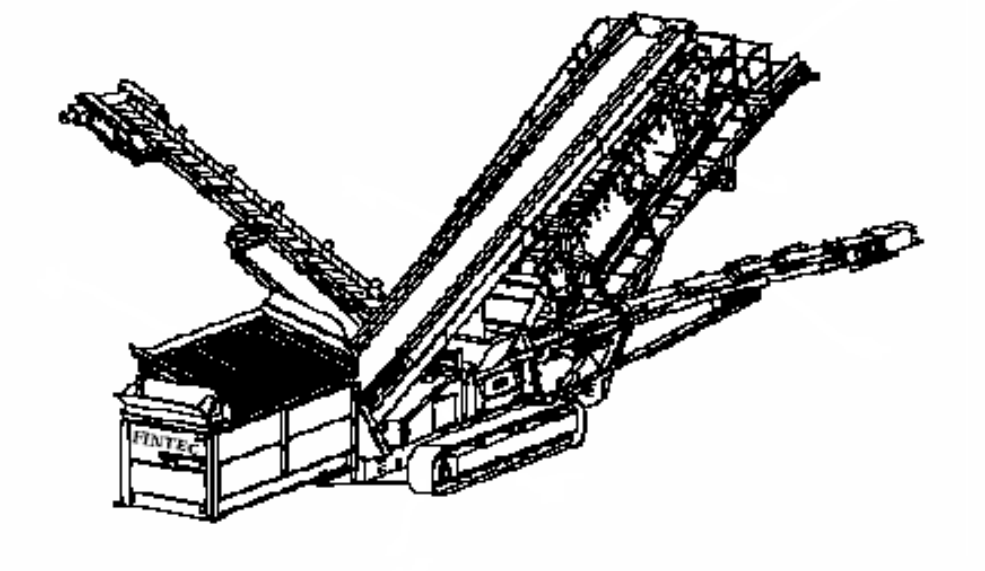
Fintek 20 x 5 - 570

The Fintec 570 Screen is designed to work in tandem with our Fintec 1107 Primary Jaw Crusher and also Fintec secondary cone/impact crushers.
The Fintec 570 is constructed for easy mobility all conveyors are hydraulically foldable for quick transport and set up time.



1. Technical Data and General Information

Hopper

Nominal volume	8 m^3 (10,4 yd^3)

Tipping Grid

Open area	4369 mm x 1900 mm
Standard aperture	100 mm

Radio controlled hydraulic tipping grid

Feeder Conveyor

EP 500/3 heavy duty

Width	1200 mm
Length	4000 mm
Hydraulic drive	125 cc
Gearbox	23:1 ratio
Variable speed adjustment	
Drive drum	340 mm
Tail drum	323 mm

Main Conveyor

EP500/3

Width	1050 mm
Length	11520 mm
Hydraulic drive	800 cc
Drive drum	289 mm
Tail drum	273 mm

Side conveyors

EP250/2 C15 chevron

Width	800 mm
Length	9000 mm
Individually controlled hydraulic drive	
Motor	315 cc
Drive drum	289 mm
Tail drum	273 mm
Height of discharge	4529 mm

Fine Conveyor

EP400/3

Width	1200 mm
Length	7450 mm
Hydraulic drive motor	400 cc
Drive drum	289 mm
Tail drum	273 mm
Height of discharge	5045 mm

Screenbox

2 bearing, high amplitude screen

2 screening decks

Screen deck measurements 5450 mm x 1500 mm (18'x5')

Quick release wedge tensioning system on the high impact zone of the top deck

Access walkway for maintenance and mesh changes, fold away type

Powerunit Caterpillar 3054C

4 cylinder turbo diesel engine 74 Kw (99 Hp) at 2200 rpm

Fuel tank volume 330 litres will be 400 soon

Fuel consumption depending on tonnage and mat. 12-18 litres / hour

Tracks

Length 3800 mm

Track shoe width	500 mm
Traveling speed	0,8 km/h

General Technical Data:

	Operation Mode	Transport Mode
- Length:	app. 18,20 m	app. 17,60 m
- Width:	app. 16,30 m	app. 2,95 m
- Height:	app. 6,20 m	app. 3,40 m

- Total weight: app. 34 000 kg without options
- Normal ground pressure app. 87 KPa without options

Paint Work General Standard:

All parts are undercoated and coated
2 pack paint 110 microns thickness

2. Specification of Components and Functions

The Fintec 570 screen can be fed by loading shovel, excavator or directly from a primary/secondary crusher.
The 4369mm hydraulic tipping grid is equipped with Bofar grizzly bars at 100mm as standard and 150mm grizzly bars as optional.

The grid is also by passed by a crusher inlet chute for working in line with a crusher without removing the grid.

The feeder and main conveyor are equipped with heavy-duty belts and side wing rollers.
The feed conveyor is variable speed control to maximise the feed to the main conveyor and in turn onto the screen.
The screen has quick release wedge tensioning on the high impact zone on the top deck. Both side conveyors have individual variable control.

2.1. Feeder Conveyor

The 3-ply heavy-duty conveyor belt is driven by a gearbox (23:1 ratio) and a 125cc hydraulic motor and has variable speed.

2.2. Main Conveyor

The 3-ply conveyor belt has a hydraulic position adjustment for maximum screening efficiency. This conveyor is driven by a 800cc hydraulic motor.

2.3. Side conveyors

The 2-ply C15 chevron conveyor belts are independent variably controlled and driven by 315cc hydraulic motors.

2.4. Fine Conveyor

The 3-ply conveyor belt is driven by a 400cc hydraulic motor. The discharge height and conveyor angle can be hydraulically adjusted.

All the conveyors have replaceable skirting and feedboot rubber. They are all fitted with internal v-scrapers to protect the tail drums.
The feeder, main and fines conveyor are fitted with Rosta tensioned belt scrapers and the side conveyors are kept clean with octagon beater rollers.

2.5. Hopper

The hopper is bolt in and has a nominal volume of 8m^3 (10.4 yd^3).

The hopper is fitted with a material by pass chute for direct feed from a crusher.
This area of the hopper is fitted with Hardox wear plates for protection to the hopper.
Under the material by pass chute is a dead box system with Hardox wear plates.
This prevents damage to the belt of the belt feeder system when in direct feed crusher mode.

2.6. Tipping Grid

The target area 3890mm x 1900mm opens with the aid of hinged wing plates to 4369mm.
A crusher inlet chute is fitted as standard to work in tandem with primary or secondary crushers.
The grid is hydraulic tipping, with a radio controlled timer system. Each bar is free floating for ease of aperture change.

2.7. Screenbox

The screenbox of 5450mm x 1500mm (18'x5') on both decks is a high amplitude screen.
The complete box is bolted together to eliminate any unnecessary heat stress due to welding.
The screen has an extra 5º in built screening angle in the bottom deck, and quick release wedge tensioning system on the high impact zone of the top deck.
The screenbox angle can be hydraulically adjusted from 24^o to 30^o.
The Screenbox is surrounded by a complete access walkway for maintenance and mesh changes, which easily fold away with our unique elbow style folding mechanism.

2.8. Power unit

The power unit is a Caterpillar 3054C, turbo charged 4-cylinder diesel engine developing 74kW (99Hp) at 2200 r.p.m.
The engine meets EU emissions regulation 97/68/EC.
The fuel tank volume is 330 litres and fuel consumption is 12 to 18 l/hr depending on material and load.

2.9. Hydraulics

A 36cc/36cc tandem pump bolts directly onto the engine flywheel. The engine also has a 23cc/23cc tandem pump fitted to a side P.T.O.
The hydraulic tank capacity is 630 litres.

2.10. Tracks

The crawler tracks are 3800mm long, with 500mm wide shoes. The normal ground pressure is 97 Kpa with a travelling speed of 0.8 km/h.

3. Options

3.1. Grizzly bars with 150mm aperture

3.2. Screening Media (different types)

3.3. 14’ (4960mm) Tipping Grid

3.4. Vibrating grid 2-deck with hydraulic drive and hydraulic adjustment of screen box angle with by-pass
Chute for direct feed from mobile crusher unit

Width 1700 mm
Length 3300 mm

3.6. Radio Control for tracks (movement of the unit)

3.7. Hardox Liners on middle and over size hopper of side conveyor

3.8. Hardox Liners on feeder hopper

3.9. Hardox Liners on spreader plate

3.10. Hardox Liners on oversize chute