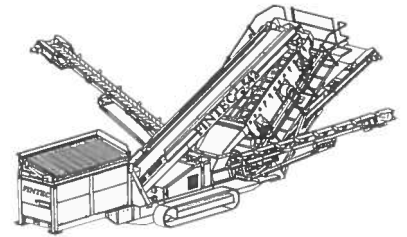


FINTEC 542



SPECIFICATIONS

542 MOBILE 3 WAY SPLIT SCREENER

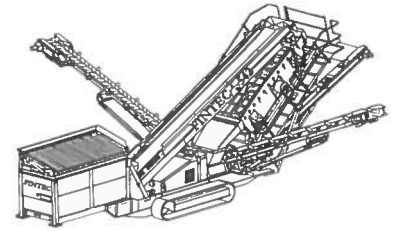
General

The Fintec 542 (12x5) double deck screen is our second generation Fintec crushing and screening machine and follows on from the highly successful F540 screening unit. The 542 is constructed for easy mobility and transportation. All conveyors are hydraulically foldable for quick transport and set up time on site. All conveyor drums are fitted with taperlock shafts and are driven by hydraulic motors. The 542 uses a 74kw (99Hp) engine to power the hydraulics throughout the machine. The 542 has the Fintec trademark extra 5° screening angle built into the bottom deck of the screenbox to enable our customers to have a much higher rate of actual screening efficiency. The screen angles hydraulically from 24o to 35o in 3 working positions. The design and manufacture of the Fintec 542 complies with all the directives required for CE marking. The diesel engine complies with EO emission Regulation 97/68/Ecstep II.

Description

The Fintec 542 screen can be fed by loading shovel, excavator or crusher. The 14' hydraulic tipping grid is equipped with 4" bofar grizzly bars as standard and 6" bofar grizzly bars as optional. The feeder conveyor is equipped with heavy-duty belts, side wing rollers and variable speed control to maximise the feed onto the screen. The screen has quick release wedge tensioning on the high impact zone on the top deck. The side conveyors both have individual variable control.

FINTEC 542



Technical Data

<u>Fintec 542</u>	<u>Transport</u>	<u>Operational</u>
Length	14.75m (48' 5")	15.8m (51' 10")
Height	3.2m (10' 9")	5.1m (16' 7")
Width	2.95m (9' 9")	15.3m (50' 2")
Weight (approx.)	26 tonnes (29.12 US Tonnes)	-

Feeder Conveyor

Fintec 542 - 1050mm wide (42") x 4000mm long (13' 1"), 3-ply heavy-duty conveyor belt. Variable speed conveyor driven by a gearbox (23:1 ratio) and a 125cc hydraulic motor.

Main Conveyor

Fintec 542 - 1050mm wide (42") x 8700mm long (28' 7"), 3 ply conveyor belt. This conveyor is driven by a 630cc hydraulic motor. It is also fully adjustable to maximise the screening area.

Side conveyors

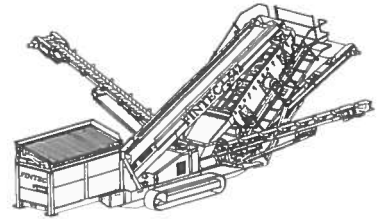
Fintec 542 - 650mm wide (25") x 8540mm long (28'), 2-ply C15 chevron conveyor belt. Independent variably controlled conveyors driven by 315cc hydraulic motor

Fine Conveyor

Fintec 542 - 1200mm wide (48") x 5850mm long (19' 2"), 3-ply conveyor belt. This conveyor is driven by a 400cc hydraulic motor.

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.

FINTEC 542



Hopper

Fintec 542 - The hopper has a nominal volume of 8m³ (10.4 yd³) and is bolted to the feeder frame.

Tipping Grid

Fintec 542 - 4267mm (14') x 1700mm (5' 5") target area which opens with the aid of hinged wing plates to 4880mm (16'). A 3660mm (12') grid is also available when used along with a direct feed chute, if the unit is being fed directly by a crusher.

Screenbox

Fintec 542 - 3650mm x 1500mm (12' x 5").

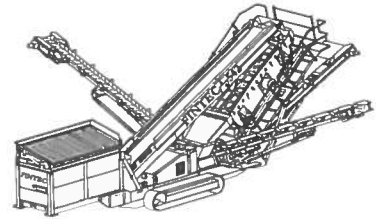
2 bearing, high amplitude screens. The complete box is bolted together to eliminate any unnecessary heat stress due to welding. The screen has an extra 5° in built screening angle in the bottom decks, and quick release wedge tensioning system on the high impact zone of the top deck. The screenbox is surrounded by a complete access walkway for maintenance and mesh changes, which easily fold away with our unique elbow style folding mechanism.

Powerunit

Fintec 542

A Caterpillar 3054C turbo charged 4-cylinder diesel engine powerpack developing 74 kW (99Hp) at 2200 r.p.m. Fuel tank volume is 400 litres (105 USA Gallons) and fuel consumption is approximately 18 L/hr at 75% continuous load. The engine meets EU emissions regulation 97/68/EC.

FINTEC 542



Hydraulics

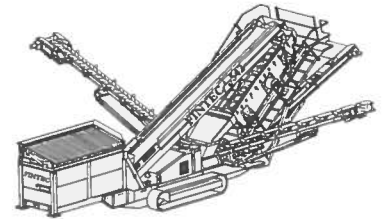
Fintec 542

A 36cc/36cc tandem pump bolts directly onto the engine flywheel with a triple 36cc option available on the 542 machine. The engine also has a 23cc/23cc tandem pump fitted to a side P.T.O. The hydraulic tank capacity is 600 litres.

Tracks

Fintec 542 - The crawler tracks have a length of 2920mm (9' 5") and track shoe width of 500mm (20") the normal ground pressure is 87 kpa with a travelling speed of 1.0 km/h.

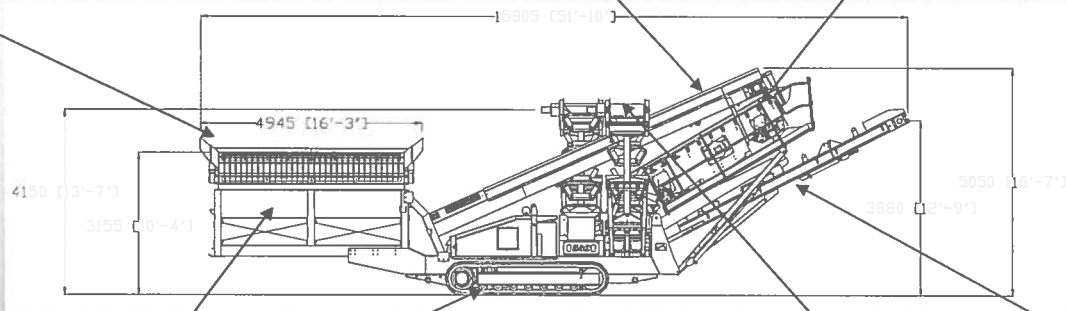
FINTEC 542



14' (4267mm) Tipping grid increased with Hinged wingplates to 16' 3" (4945mm) feed area Fitted with 4" (102mm) and optional 6" (150mm) free floating grid bars, suitable for products with some 8" (203mm) to 10" (254mm) oversize. Can be fed by loading shovel, excavator or by crusher if a crusher feed box is fitted.

1050mm (42") wide Main conveyor. This conveyor can also be moved hydraulically to give maximum screening efficiency.

High intensity 12'x5' (3650x1500) double deck Screenbox. Both decks are equal in size with the Bottom deck having an in built extra 5° for Increased screening efficiency. The top deck is Fitted with quick release screen tension wedges on the high impact zone. The screen is surrounded by a maintenance walkway which easily folds for Transport.



8m³ (10.4 yds³) Hopper with Variable speed incline 1050mm (42") feed conveyor

500mm (20") wide, low ground pressure tracks. Optional: Remote control

650mm (25") wide chevron side conveyor belt, with independent variable control

1200mm (48") wide Fines conveyor

Options

- 12' (3650mm) Double deck Vibrating grid fitted with hinged wingplates to 14' (4380mm) feed area. The top deck can be fitted with bofor sreeel, punched plate or heavy duty mesh. The bottom deck is fitted with mesh only. The Vibrating grid is suitable for more robust applications.
- A single shaft shredder is available for breaking up topsoil and leaving it easier to screen.