



520 RECLAIMER

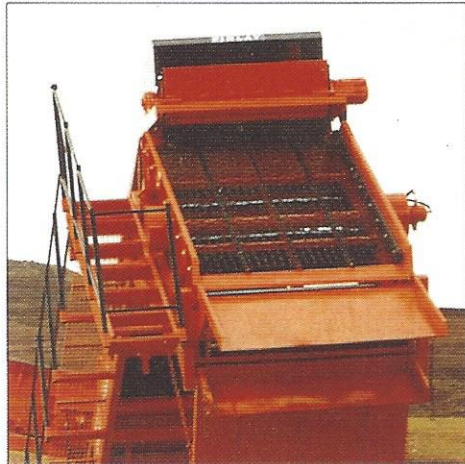
the fully mobile
machine that does
it all!



***Finlay —
technology and machines for waste management***



520 RECLAIMER...making reclamation of useable demolition material, d

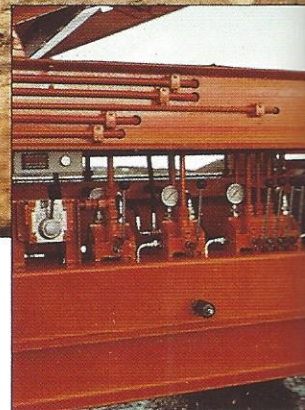
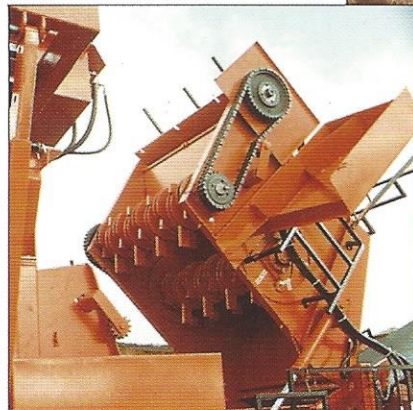


Finlay are concerned with the environment and its improvement together with the reclamation of material from areas otherwise used as waste tips. They recognise that reclamation and restoration costs money and therefore have designed and manufactured the Finlay 520 to make profitable products from demolition waste, tips and construction sites . . . saving the environment, profitably.

Rugged primary screening

With rugged primary screening, using grids or heavy duty meshes and material preparation being carried out by the breaking and shredding chamber, secondary screening provides up to 3 product sizes.

A major advantage of the Finlay 520 Reclaimer is its ability to accept the maximum amount of material into the hopper,



making money from waste by the and profitable products from used tips and construction sites, etc.

including wet and sticky materials which would otherwise gel, stick to the grids or slide off.

Heavy duty feed hopper

The 9.5m cu. capacity heavy duty hopper is fitted with an hydraulic tilting, high resonance, vibrating grizzly screen, equipped with grid bars with selected spacing to suit material condition and sizing or interchangeable heavy duty meshes of various apertures. Speed of the 1300mm (52") wide belt is infinitely variable via an hydraulic control valve to cope with condition and consistency of material to be handled, ensuring maximum screening efficiency.

Breaking and shredding chamber

Fitted with twin shafts and variable speed control with the second set of cutting blades mounted on an eccentric shaft

which can be adjusted through five settings to provide the required product size. The chopping and cutting box can be hydraulically lifted for "in" or "out of line" operation.

Digital read out on the electronically controlled sensor, monitors the speeds of the cutting shafts providing operator information to ensure optimum efficiency.

Power Unit

The centrally positioned control panel and the power unit is readily accessible from ground level. The Deutz six cylinder turbo diesel is fitted with dual tandem pumps for the operation of:

- i) main conveyor elevation
- ii) cutting chamber raise/lower
- iii) variable speed on belt feeder
- iv) the variable speed on the chopping/cutting blade shafts
- v) to drive the main conveyor belt
- vi) the 2 deck vibrating screen
- vii) the screen angling facility
- viii) hydraulic elevation of the stabilising legs to lift machine into towing position
- ix) activation of the hydraulic grizzly (angling and vibrating)

An on board generator powers extra conveyors, lighting and portable electric power tools.

Main conveyor and chassis

The main structure with full length decking plate is fitted with 1200mm (48") wide x 15.24m (50') long conveyor belt complete with catwalk for fast and safe maintenance and access to main belt and top end drum. The road trailer chassis has double spring axles, each axle fitted with twin road wheels.

An hydraulic jacking leg is fitted enabling the machine to be lifted into towing position. The fifth wheel coupling can be hinged down and locked in position for increased stability at the hopper end.

Vibrating Screen

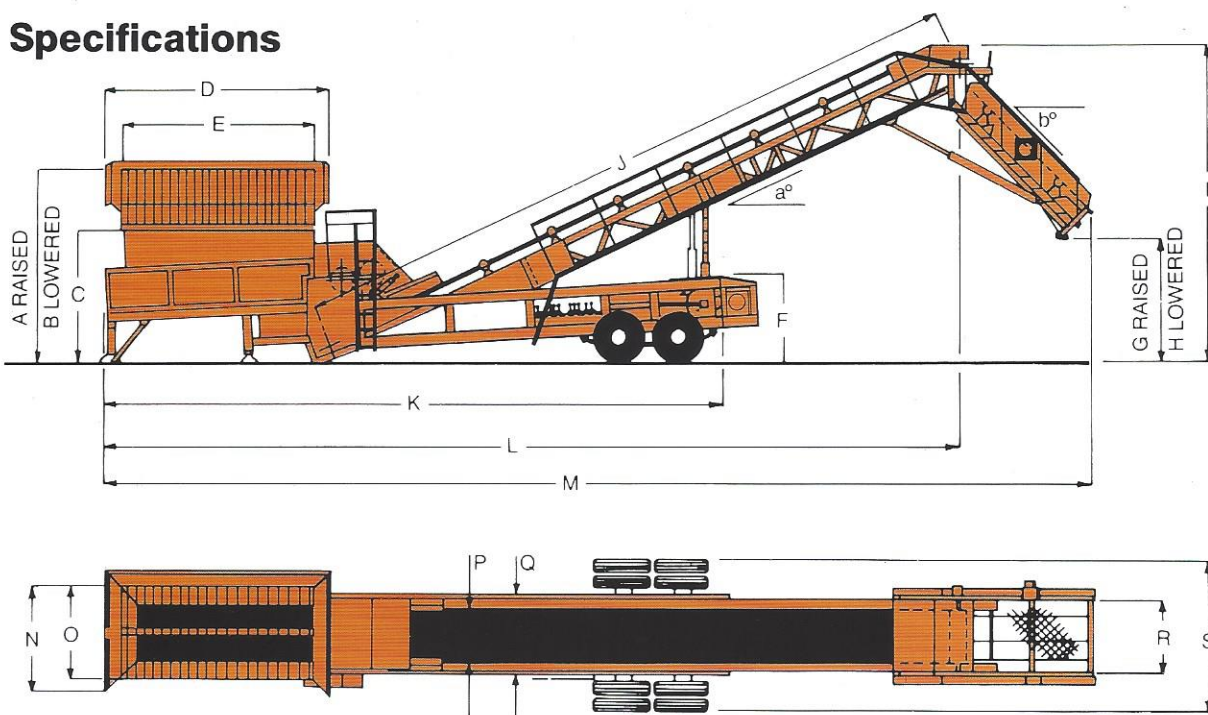
A high capacity 3m x 1.52m (10' x 5') 2 deck screen is fitted with stepped catwalk, accessible via the main frame catwalk.

The screen angle can be instantly adjusted from the ground level control console to achieve maximum output and efficiency. This unique Finlay feature is simplicity itself, as no special tools or lifting gear is needed, no downtime therefore encouraging the operator to make optimum use of the machine.



520 Reclaimer Hydrascreen

Specifications



520 RECLAIMER

DIMENSIONS	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	a°	b°
IMPERIAL	12'8"	10'8"	8'8"	13'6"	12'0"	5'6"	11'6"	8'0"	20'6"	44'11"	39'8"	57'8"	65'0"	8'9"	8'0"	4'0"	5'2"	5'1"	9'0"	25°	20° Min
METRIC	3.860	3.251	2.641	4.115	3.658	1.676	3.505	2.438	6.248	13.690	12.090	17.577	19.812	2.667	2.438	1.200	1.575	1.549	2.743		50° max

FEED HOPPER. Heavy duty 9.5m cu. capacity with hydraulic tilting grizzly having the option of grid bars or meshes to suit material specification. Infinitely variable speed 1300mm (52") wide belt.

CHOPPING/SHREDDING CHAMBER. Hydraulically hinged for in or out of line operation with two sets of variable speed heavy duty blades. Speed adjustment by hydraulic valve or sprocket.

CHASSIS. Heavy duty channel into a road trailer with double spring axles, one axle braking, with twin pneumatic wheels.

POWER UNIT. Deutz BF6L 913 Turbo (140hp) diesel unit with battery start, 272 litre fuel tank and 16xkVA on board generator fitted as standard to power stockpilers, etc.

HYDRAULIC DRIVE. Two tandem pumps direct coupled to power unit. Elevation of main conveyor and the unique screen angle adjustment is fully hydraulic from ground level control.

CAPACITY. High tonnages are possible depending on the nature of materials and conditions. Output capacities can be determined after a site and product examination.



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