



393
HYDRASCREEN

**COMPLETE SHREDDING,
SCREENING &
STOCKPILING SYSTEM
IN ONE**



'FIND YOUR FUTURE WITH FINLAY'



THE 393 HYDRASCREEN

Finlay's reputation for innovation in Design, Technology and Manufacturing expertise is internationally acclaimed and our continuous research and development programme maintains the highest standards of equipment to completely satisfy the customer requirements. The Finlay 393 is no exception. This completely mobile machine is the latest in the advancement of a single unit scalping, shredding, screening and stockpiling system. It incorporates Finlay's rugged reliability with emphasis on maximum output, customer profitability and environmental issues.

GUARDING AND TRANSPORTABILITY

The machine is guarded to the strict mines and quarry specification and complies with the transport regulations regarding height, width and loading. The 393 is mounted on a heavy duty road trailer with twin suspended and braking axles fitted with super single or twin tyres providing excellent stability. The machine is raised and lowered by means of hydraulic jacking legs as standard.

POWER UNIT

The system is driven by an 80hp or 100hp air cooled diesel engine which powers two tandem pumps and is situated next to the control console at ground level providing easy access to all functions. The operator can quickly and easily optimise production preventing unnecessary down-time. One of the most significant features of this machine is the hydraulic and filtration system on both suction and return lines with high torque gear motors capable of a much greater product output. Hydraulic tank capacity 726 litres (160 Gallons) and Diesel tank 318 litre (70 Gallons).

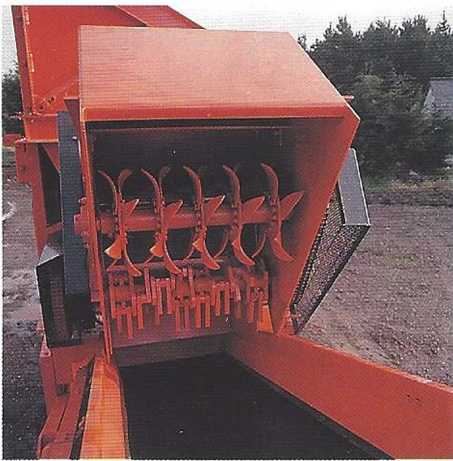
GRID

There is a 3.65m x 1.65m wide heavy duty remote control tipping grid fitted to this machine, which incorporates the latest in remote control systems to hydraulically elevate and lower the grid on a unique timer system.

VIBRATING GRID (OPTIONAL)

The unique new design vibrating grid with opening 3.65m x 2.1m can be fitted as an optional extra. The choice of bar spacing can be changed as each bar is individually mounted with grouser bar now used as standard. If however you have to change from bar to mesh or profiled plate then the original grid can be easily modified by fitting bolt in frames which the mesh is then clamped onto.





BELT FEEDER

The opening is 3.65m x 1.65m with an 8.5 cu m heavy duty hopper feeding onto a 1.05m belt. Owing to the specially designed sides and tapered base opening and the infinitely variable speed belt control the belt feeder will handle the most difficult material at maximum efficiency. The belt feeder is also fitted with protection doors underneath the chassis.

SHREDDER CHAMBER

The optional breaking and shredding chamber is fitted with twin shafts having the option of fixed blades or flails. The second shaft is mounted on an eccentric shaft which can be adjusted through four settings to provide the required product size. The complete unit can be hydraulically lifted for 'in' or 'out' of line operation with a safety device built into the hydraulic system to meet safety requirements on site.



SCREEN BOX

3.04m x 1.52m high capacity, two deck, two bearing, spring mounted screen box which incorporates crash box, is fitted as standard. The screen box can be hydraulically elevated between 15° - 42° in conjunction with the main belt angle using a single ram operation and an external tensioning system has been incorporated into the box to allow quick and easy periodic tensioning of the meshes or piano wire screens. Hydraulic tensioning is an option, which eases the operators time and effort when changing the bottom deck meshes.

MAIN, SIDE & FINES CONVEYORS

The main feed conveyor feeding the screen box is fitted with a 1 m wide belt with skirting plates running the complete length of the belt. The drive drums are lagged and flexible couplings are standard on each of the conveyors. The fines conveyor has a 1.2m wide belt which has an hydraulic folding mechanism for transportation purposes as do the side conveyors which are fitted with 0.6m wide chevron belts. A unique feature which all the conveyors have in this unit is variable speed built in, which can be activated at the control console. All conveyors are easily folded for transportation/working position by built in hydraulic system leaving machine ready for road or site within minutes.

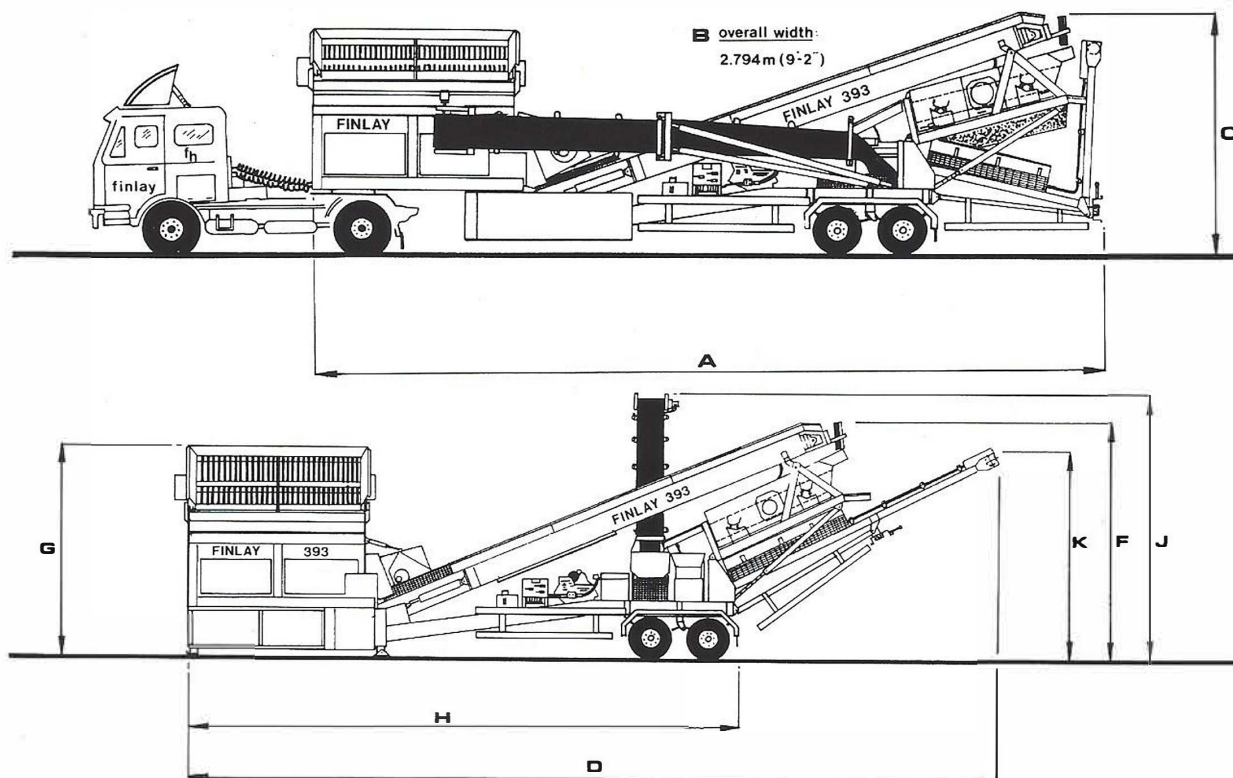
The 393 can be supplied fully roadworthy to comply with all international road regulations i.e. full braking system inc. hand brake, lighting system, crash bars back bumper, mud guards and flaps, wheel chocks, M&Q guards, emergency stop buttons or any combination of these depending on the customers requirements.



OPTIONS

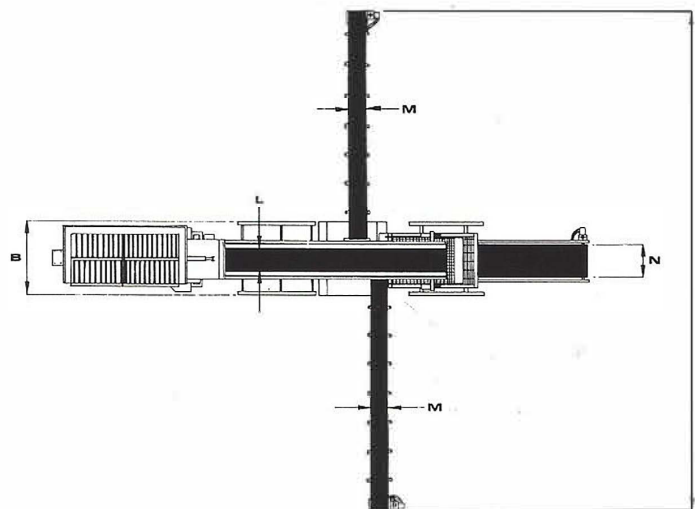
- Electric/hydraulic drive
- Catwalks and steps around screen box
- High tensile grid bars for Standard Grid
- Cascade fingers in top or bottom decks of screen box
- Shredder Box
- TUV Specification
- Vibrating Grid
- Hydraulic Tensioning on Screen Box
- Vandal Proof Guards around Engine Compartment
- 100 hp Engine

GENERAL ARRANGEMENT OF: FINLAY 393C HYDRASCREEN IN TOWING POSITION



393 SPECIFICATIONS

O/A length for Towing (A)	15.65m (51'-4")
O/A Width for Towing (B)	2.79m (9'-2")
O/A height for Towing (C)	3.95m (12'-11")
Operating Length (D)	17.60m (57'-9")
Operating Width (E)	17.50m (57'-5")
Operating Height Maximum (F)	5.34m (17'-6")
Feed in Height (Std Grid) (G)	4.04m (13'-3")
Feed in Height (Vibrating Grid Minimum) (G)	4.00m (13'-1")
Feed in Height (Vibrating Grid Maximum) (G)	4.63m (15'-2")
Chassis Length (H)	11.70m (38'-3")
Side Conveyor Discharge Height (J)	5.40m (17'-9")
Front Conveyor Discharge Height (K)	4.83m (15'-10")
Feeder Belt Width	1.05m (42")
Main Belt Width (L)	1.00m (39")
Side Conveyor Belt Width (M)	0.6m (24") Chevron
Fines Conveyor Belt Width (N)	1.2m (48")
Hopper and Grid Capacity	8m³ (10.5 cu. yds)
Hopper Loading Area (Std Grid)	3.65m x 1.65 (12'-0" x 5'-5")
Hopper Loading Area (Vibrating Grid)	3.65m x 2.13m (12'-0" x 7'-0")
Screenbox size (not including Crash Box)	3.05m x 1.52m (10'-0" x 5'-0")
Engine (Std Grid)	80 HP (60 KW)
Engine (Vibrating) Grid)	100 HP (75 KW)
Hydraulic Tank Capacity	726 Litres (160 Gallon)
Diesel Tank Capacity	318 Litres (70 Gallon)
Approximate Weight (Std Grid)	19000kg (41800 lbs)
Approximate Weight (Vibrating Grid)	20500kg (45100 lbs)



FINLAY HYDRASCREENS (Omagh) LTD.

Drumquin Road, Omagh, Co. Tyrone,
Northern Ireland BT78 5PN
Telephone: (0662) 245127. Fax: (0662) 244294