



**AQUARIUS  
TECHNOLOGIES  
PRIVATE LIMITED**

COMPACTION FLOORING PLASTERING



**Surface  
Vibrators**



**Power  
Trowels**



**Vacuum  
Equipment**



**Plate  
Compactors**



**Scarifiers**



# Light Construction Equipment



[www.aquariustech.net](http://www.aquariustech.net)

# SURFACE VIBRATORS

## Double Beam Surface Vibrator SM

- Made from light weight, hollow, Aluminium alloy beams.
- Vibrations adjustable from 30% to 100%.
- Tensioning device for level correction.
- Specially designed vibrator motor and switches for operator safety.
- Sacrificial End Ties for longer beam life.

### TECHNICAL DATA

#### BEAM UNIT

Beam Spacing	: 300 mm.
Height of beam	: 100 mm.
Standard Lengths	: 3.2, 4.2, 5.2 mtr.
Weight of the beam unit for above standard lengths	: 25, 32, 39 kg.

#### VIBRATOR UNIT

Electric motor	: 3 Phase, 415 V, 50 Hz.
Rated current	: 1.5 A.
Power	: 450 w (2850 vibr/min.)
Flyweight Torque adjustable in 6 steps	: 1.5 - 5 kg cm.
Centrifugal force	: 1380-4600 N.
Weight	: 40 kg.



Tensioning Device



## Flex Screed SVE

## Fixed Form Paver

## Truss Screed

- Standard sections of 1, 2 and 3 mtrs. length. Special lengths on request.
- Individual sections to be joined together to suit the panel width.
- Individual sections carry eccentric shaft; hence uniform vibrations throughout the vibrator length.
- Turnbuckle provided for level correction.
- MS Version available on request

### Modular Construction



1 m Section



2 m Section with End Unit



3 m Section with Electric Drive Unit

### TECHNICAL DATA

Electric Motor	3 Phase, 415 V., 50 Hz.
Rated Current	4.6 A.
Power	2.2 kW.
Petrol Engine	Honda GX160.
Centrifugal Force	500 Nm.
Working speed	1-1.5 mtr/min.

#### Dimensions

Beam height	490 mm.
Beam width	350 mm.

#### Weight

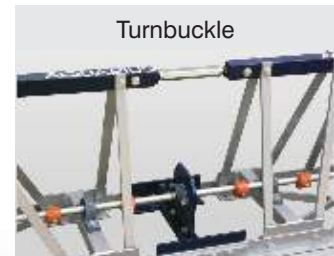
3 m section	40 Kg.
2 m section	30 Kg.
1 m section	20 Kg.
Drive unit (L - 325 mm)	51 Kg.
End unit (L - 325 mm)	20 Kg.

Max. length of the screed 12 m.

### Petrol Drive Unit



### Turnbuckle



# WALK BEHIND TROWELS

## Skimfloater G900 E / G700 E

- Two speed operation for electric version.
- Dead man's Grip for operator safety.
- Adjustable & foldable handle .
- Dual function - floating and trowelling.
- Easy changeover from disc to blades.
- Blade angle adjustable while machine is in operation.
- All controls on handle, easily accessible.
- G 700E also ideally suitable for Epoxy Screed finishing.
- Uni-directional rotation for operator safety.

### Safety Device



### Floating Disc



Skimfloater G700E



Skimfloater G900E

### TECHNICAL DATA

	G900E	G700E
Electric Motor	3 Phase, 415 V, 50 Hz.	3 Phase, 415 V, 50 Hz.
Power	1.8 / 1.5 kW.	1.8 / 1.5 kW.
Rated Current	5.0 / 3.3 A.	5.0 / 3.3 A.
Speed (Output)	115 / 57 rpm.	115 / 57 rpm.
Max. reach	3 mtrs.	2.2 mtrs.
Outer diameter of guard	1000 mm.	780 mm.
Diameter of floating disc	985 mm.	750 mm.
Working dia.	900 mm.	700 mm.
No. of Trowelling Blades	4	4
Machine weight with 4 blades	78 Kg.	72 Kg.
Weight of floating disc	16 Kg.	9 Kg.

## Skimfloater G900EC / G900H

- Single speed operation for electric version.
- Dead man's Grip for operator safety.
- Adjustable & foldable handle .
- Dual function - floating and trowelling.
- Easy changeover from disc to blades.
- Blade angle adjustable while machine is in operation.
- All controls on handle, easily accessible.
- Uni-directional rotation for operator safety.



G900EC



G900H

### TECHNICAL DATA

Electric Motor Single Speed	3 Phase, 415 V, 50 Hz, 2.2 kW
Petrol Engine	Honda GX 160
Speed	120 RPM.
Outer diameter of guard ring	1000 mm
Diameter of floating disc	950 mm
No. of Trowelling Blades	4
Machine weight with 4 blades	90 kg

# RIDE-ON-TROWEL

## RoT 1200

- Powered by Honda petrol engine.
- Two Models : 900 mm and 1200 mm.
- Low riding position for easy control.
- Equipped with water tank and sprinkler mechanism.
- Two navigation lights.
- Easy change of discs and blades.



## RoT 900



**Transport Trolley**



**Floating Disc**

	RoT 900	RoT 1200
Engine	Honda GX630	Honda GX 690
Power	21 hp @ 3600 rpm	22 hp @ 3600 rpm
Max. Speed (rpm.)	140	140
Diameter of Outer Ring (mm.)	950	1250
Working Dia. of Floating Disc (mm.)	900	1200
No. of Trowelling Blades	8	8
Machine Weight with 8 blades (Kg.)	290	320
Weight of Floating Disc (Kg.)	16	22
Fuel Tank (litres.)	20	20
Water Tank (litres.)	20	20
Dimensions : L x W x H (mm.)	2050 X 1030 X 1010	2370 X 1200 X 1010

# Vacuum Dewatering System

## THE ORIGINAL TREMIX

Use original equipments and technology to avoid

- Cracked Floors
- Bad Joints
- Weak Floors

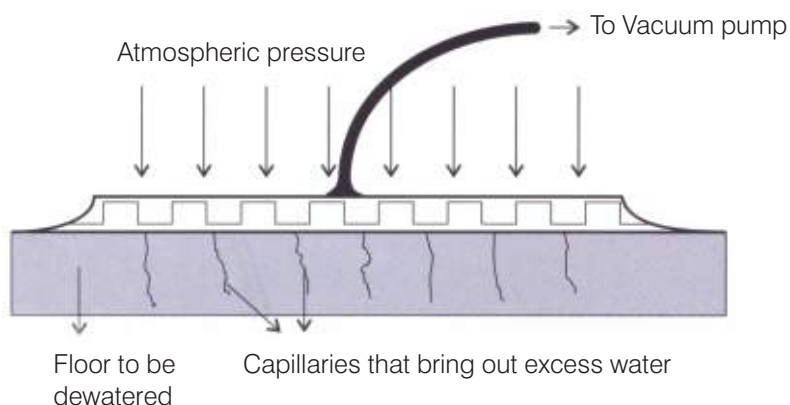


### Typical Vacuum Dewatering System consists of

- Surface Vibrator - 1 No.
- Vacuum Equipment consisting of
  - Vacuum Pump - 1 No.
  - Suction Mat Top Cover - 1 No.
  - Filter Pads - 6 Pieces
- Skim Floater - 2 Nos.

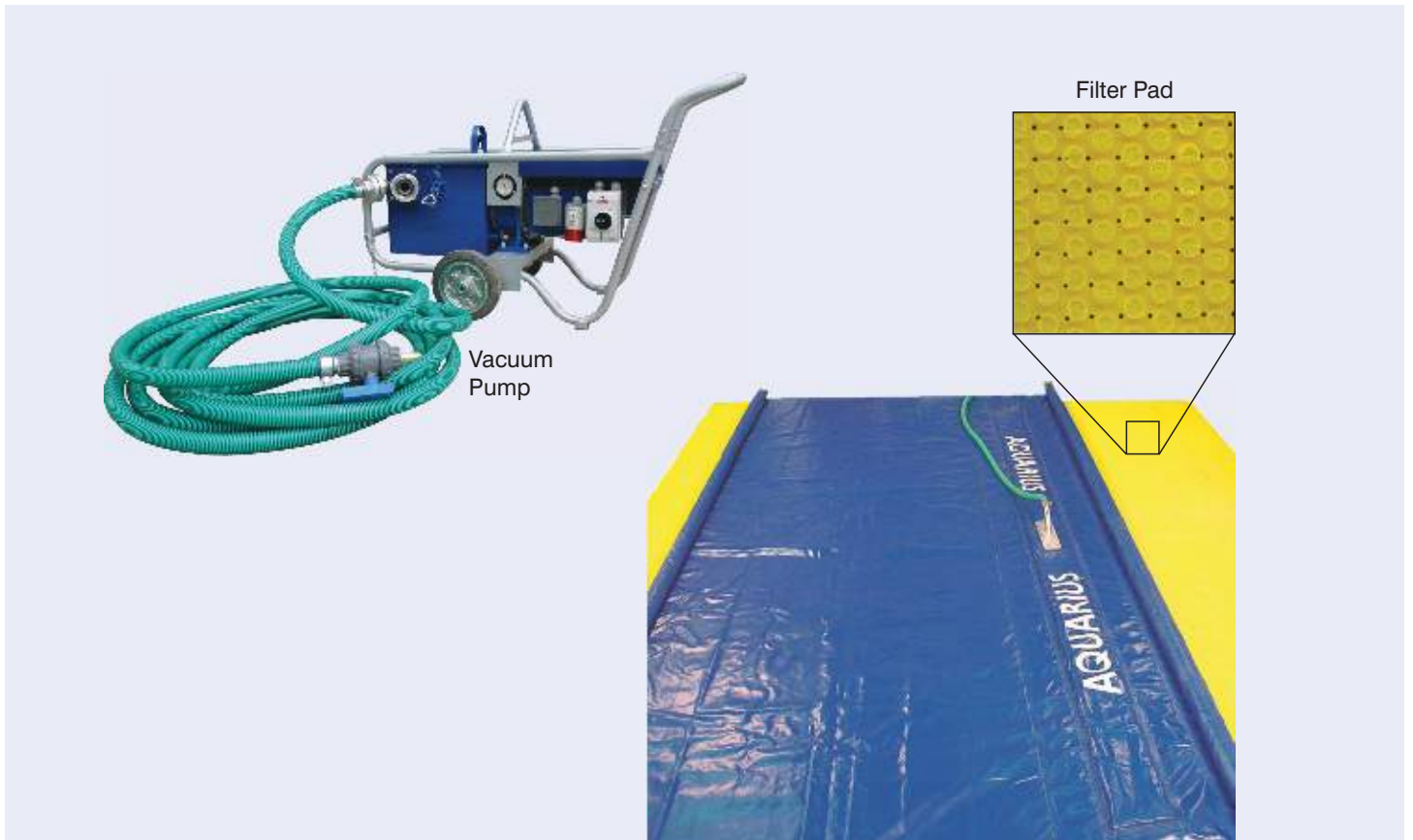
### Why only TREMIX method?

#### SCHEMATIC SHOWING VACUUM DEWATERING PROCESS



Suction Mat of special grade multilayered polymer sheets alongwith reinforced distance cushions on the Filter Pads ensure sufficient cross-sectional area to squeeze out and remove excess water from the concrete. This design is a prerequisite for effective dewatering.

# VACUUM DEWATERING SYSTEM



## Vacuum Equipment

### Vacuum Pump Unit Type P4001E

Pump Capacity at 70% vacuum	: 1850 ltrs/min.
Max. Vacuum	: 680 mm Hg. (90%)
Electric Motor	: 4 kw, 415 V, 3 phase, 50 Hz.
Rated current	: 7.5 A.
L x W x H (mm)	: 1300 x 710 x 800
Weight (empty unit)	: 125 Kg.
Weight of Hoses	: 15 Kg.
Suction Hose length	: 15 mtrs. Dia. 38 mm.
Discharge	: 5 mtrs. Dia. 38 mm.

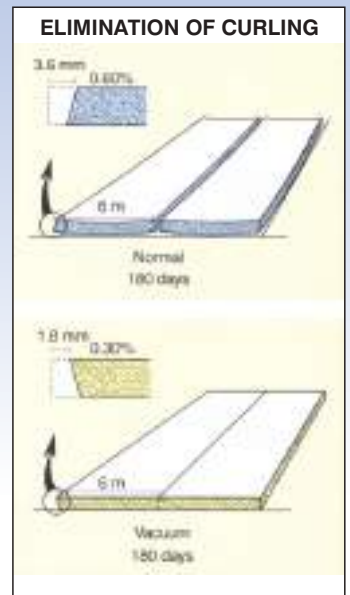
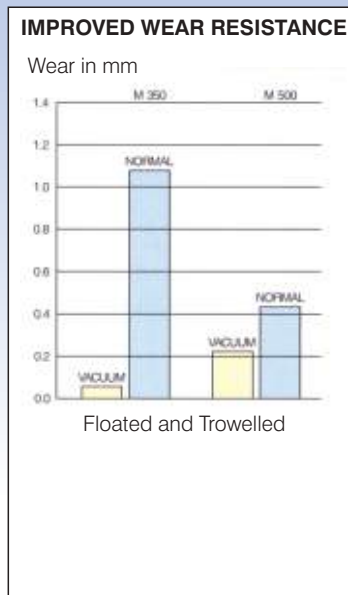
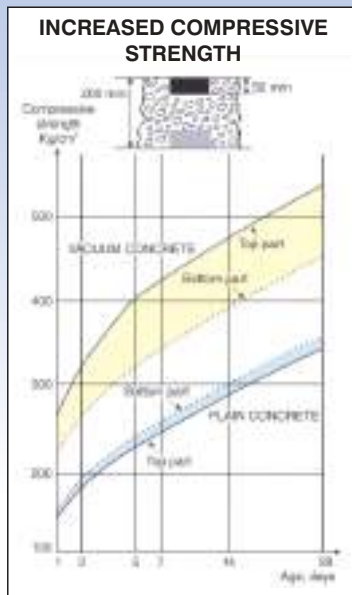
### Top Cover Type RM60

Standard Length	: 6 mtrs.
Standard Width	: 3, 4, 5, 6 mtrs.
Weight	: 25, 33, 41, 49 Kg.

### Filter Pad Type RD12

Standard Lengths	: 2.8, 3.8, 4.8, 5.8 mtrs.
Standard Width	: 1.2 mtrs.
Weight	: 750 gm / mtr.

## Better results with TREMIX method



# Concrete Finishing Tools

## Magnesium Bull Float

The site workhorse 48" wide. Complete with 3 'snap together' handle and the unique, 'twist 2 tilt' knucklehead.



## Bump Cutter

10 feet wide with extendable handles for removing high spots. A must for flatness control.



## Topping Spreader



**Topping Spreader**  
Width 830mm Capacity 50 kg.

# PLATE COMPACTOR

## KM 160 D / 160 E

Plate Compactor Type KM160 is particularly suitable for application like compacting loose gravel and sand on footpaths, sub-grade for concrete floors, trenches, column footings & for small repair works like pot-hole repairs.

- Available in two versions. Diesel and Electric.
- Working speed 20m/min.
- Effective compaction depth 25cm. depending on material to be compacted.
- Permanently greased vibrator element.
- Heavy duty folding wheels for in-site movement.
- Centrifugal clutch allows easy start of engine on no-load condition.
- Conveniently located controls.
- 16mm thick heavy-duty bottom plate.
- Adjustable handle length.
- Heavy-duty coil springs and rubber dampers ensure minimum vibrations reaching engine and handle.



### TECHNICAL DATA

Diesel Engine - Greaves 1520 4.4 HP

Electric Motor - 3 HP, 3 Phase, 415V, 50 Hz.

Frequency - 75 Hz. (4500 vibr. / min.)

Centrifugal Force - 16 kN. (equivalent to 8 tons/m<sup>2</sup>)

Width - 440 mm.

Height - 880 mm.

Length - 1000 mm.

Working Surface Of Base Plate - 450 x 440 mm.

Thickness Of Base Plate - 16 mm.

Weight - 160 Kg. (Diesel) / 145 Kg. (Electric)

Area Coverage - 125 sq. mtrs. / hour

Travel Speed - 20 mtrs. / min.



# PLATE COMPACTOR

## KM 70

Aquarius Plate compactor KM 70 PK is a lightweight compactor powered by a Honda engine.

- Minimum hand arm vibrations due to unique design of dampers.
- Suitable for light duty application on asphalt, granular soil and sand.
- With polyurethane pad on the base plate, can be used for fixing paver blocks.
- Foldable handle reduces the transport volume.
- Features Centrifugal clutch and recoil starter.
- Base plate width equivalent to 14", 16", 18"



### TECHNICAL DATA

Engine - Honda Model GX 160 / GX 200

Power - 4.8 Hp@3600 rpm / 5.5 Hp@3600 rpm

Frequency - 80hz (4800 Vibrations/min.)

Base Plate Length - 560 mm

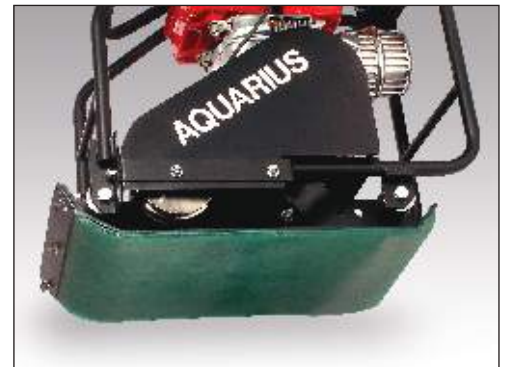
Thickness Of Base Plate - 8 mm

Weight - 63 Kgs. / 66 Kgs. / 69 Kgs.

Centrifugal Force - 4 kN to 1.5 Ton/Sq.Mtr.

Area Coverage - 125 Sq. mtrs/hour.

Travel Speed - 20 Mtrs./min.



*PU pad attachment*



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## CONCRETE SURFACE SCARIFIER ATE 20

The concrete surface Scarifier from Aquarius Technologies India is an extremely useful machine for wide range of applications.

- Loosely fitted cutters on drum produce heavy impact on surface, thus removing top layer.
- Different types of cutters are available to suit different applications.
- Wide range of applications.
- Providing skid-free texture on concrete road / bridge wearing course.
- Profile correction on concrete pavements.
- Providing a mechanical key on industrial floors to ensure proper bonding between the base concrete floor and the synthetic overlay.



Drum and Cutters



Optional Tools



### TECHNICAL DATA

Dimensions L X W X H	1100 X 460 X 880 mm.
Working width	200 mm.
Distance to wall	95 mm.
Weight	55 kg.
Electrical power	3 phase 415 V, 2.2 kW.
No. of pentagonal cutters	76

Identifying a technology and making it suitable to your needs has been a starting point of Aquarius Technologies. Over the years, our expertise has helped the contractors to change their methods for better end product.

Some of the technologies like TREMIX Vacuum Dewatering of Concrete, introduced in Indian markets have been path breaking. This has completely changed the concrete floor construction methods for the better. It became so popular among the segment that TREMIX has become a process name rather than a brand name. Machines manufactured by anybody are being called as TREMIX machines.

As a legal collaborator of TREMIX AB, Sweden, we have strived to keep the original high standards laid down by Tremix and hence are supplying the machines which perform to give results, unlike those who try to copy the machines and not the technology.

In line with our goal, we have now newer and better technologies in **Compaction, Flooring, Plastering and Concrete Grinding & Polishing**. We ensure that the Machines supplied are of world class and are supported by qualified technicians.

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Specifications are subject to change without notice.