

## LASER SCREENS

Somero Enterprises, UK offers Laser Guided Vibrating & leveling machines, which enable laying of concrete floors at high speed. Somero product range includes:

Compact lightweight machine CopperHead XD also suitable for upper deck/suspended slabs.

X-tream Platform for ground slabs

PowerRake for quick distribution of concrete

CopperHead XD and X-tream Platform compliment the high speed concrete supply from batching plant and hence can lay 1000 to 5000 sq.mtrs. of concrete floors per day.

The CopperHead XD is a self-propelled machine with a dual laser controlled screed head fitted on it. It has petrol engine as a prime mover, a dual grade laser transmitter, two laser receivers on screed board, 3 m screed board and a scrapper.

- The two laser receivers fitted on the screed board continuously receive the signal from the transmitter. This signal is processed and screed level is adjusted by a fast response hydraulic system.

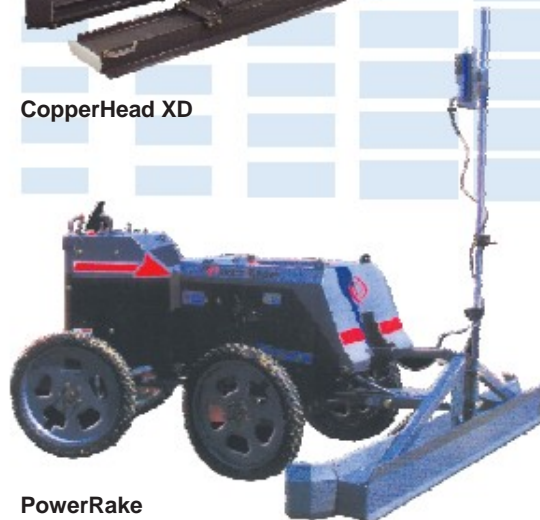
- Concrete supplied through a concrete pump or transit mixer is redistributed using PowerRake. PowerRake is useful in maximizing the utility of CopperHead. Furthermore, both these machines are designed for concrete having slump of around 120 mm. The CopperHead is pushed into the concrete. Screed head is then activated and machine is driven back. The scrapper blade removes the excess concrete and screed board vibrates and

finishes the concrete.

The light weight chassis of the CopperHead enables it to be driven onto mesh, reinforcing bars and even buried pipes. Solid ATV tyres are fitted to the machine which enables it to be used on any surface. It is small enough to fit in a pick-up and can be easily maneuvered by single operator.



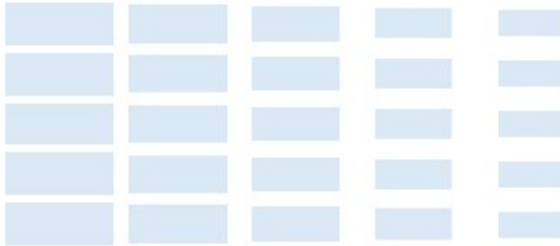
**CopperHead XD**



**PowerRake**



**X-treme Platform**



**PowerRake**

Width 212 cm. at head,  
101. cm at tyres  
Length 268 cm .  
Overall Height 134 cm.  
without masts  
Overall Weight 406 kg.  
with rake head  
Laser System Trimble make  
Engine Robin America  
EH41 (13.5 HP)  
Start Electric start with  
secondary pull  
Control manual throttle and  
choke with  
electric shutoff  
Propel 4 wheel drive with  
Hydraulic motors  
Plow Elevation Control: Laser control of  
head via head lift  
cylinder

**CopperHead XD**

Width 91 cm.  
Length 279 cm.  
Overall Height 10 cm.  
Overall Weight 363 kg. with  
screed head  
Laser System Trimble make  
Engine Robin America  
EH41 (13.5 HP)  
Type 4 Stroke petrol,  
1 Cylinder,  
Air cooled,  
electric start  
Self Propel Standard  
Auto Level Standard  
Power Steer Standard  
Vibrator Soft Start Standard

**X-treme Platform SXP 12 / SXP 8**

Width at screed head  
SXP-12 : 4.45 m.  
SXP-8 : 3.22 m.  
Length boom in: 4.75 m.  
boom out : 10.18 m.  
Height: 2.52 m.  
Weight; SXP-12 : 7250 kg.  
SXP-8 : 7100 kg.  
Boom Reach: 6.10 m.  
Upper Frame Rotation; 360 degrees  
Stabilisers: 4 hydraulically  
operated pads  
Engine: Cummins B3.3 (65  
bhp @ 3000 rpm)  
Control: Hand operated  
forward and  
reverse  
electro-proportional  
hydraulic control