

SMP

Somero Mid-Sized Platform

Somero® is the name you can trust for innovative and productive concrete placing and leveling solutions. With the **SMP** we deliver a 4-wheel drive, hydraulic powered, ride-on, platform solution to grade, plow and screed your concrete floor projects to perfection.

The **SMP** is the economical, efficient and right solution for your small to mid-sized projects. Like every Somero Laser Screed® machine, the **SMP** uses Somero's patented laser leveling technology and sets grade automatically, allowing the operator to move quickly and efficiently through the work area. The **SMP** is a one-man operation that gives you better accuracy and consolidation than traditional methods. And, it's rugged and maneuverable enough to handle lower slump concrete consistently.

The **SMP** platform has three interchangeable head options:

SMP Laser Screed® concrete leveling head –

- Auger head strikes off concrete to a finished floor elevation, screeds it flat and vibrates it smooth in just one pass.
- Reduction in manpower when screeding concrete to finish grade.
- Productivity - 3,000 sq. ft./hr (300 m²) and above.

SMP raking head –

- Rake more concrete in less time with a single operator.
- Rake "dumped" concrete down to grade.
- Raking head designed to work with all screeding equipment from the 2 x 4 to handheld vibrating screeds and side by side with all Somero Laser Screed® Equipment.

SMP sub-grade head –

- Used for fine grading sub-base, head improves concrete yields turning previously wasted concrete cost into profit.
- Quickly interchanges with other **SMP** heads.
- Ideally suited for most concrete applications.
- Increase Laser Screed® utilization.



You need the flexibility that enables you to meet your customers' concrete floor requirements in today's demanding construction market.

The **SMP** is here to help.



Machine Specifications

Width	83 3/4" (2.13m) at head 39 3/4" (1.01m) - at wheels (standard tires)	
Length	104 1/2" (2.65m)	
Height	55" (1.39m) without masts	
Weight	1060 lbs (481 kg) (with plow head) 1320 lbs (599 kg) (with auger head)	
Ground Clearance	11 1/2" (.29m) under frame	
Head Clearance	12.75" (.32m) (auger head)	
Slab Thickness	10" (.25m) (auger head)	
Engine	18 hp (13 kw) - Robin America EH63	
Start	electric start	
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	
Head Lift	1.5" (.038m) hydraulic cylinder and manual electric switch	
Plow Angle control	electronic leveling sensor with hydraulic cylinder	
Steering Control	proportional joystick and valve driving a hydraulic cylinder	
Propulsion Control	proportional joystick and valve driving hydraulic motors	
Ground Pressure:	Plow head	Auger head
PSI - STD Tire	29.4 PSI (197 kPa)	41 PSI (283 kPa)
PSI - HiFloat Tire	4.1 PSI (28.7 kPa)	7 PSI (48 kPa)



Auger Head Features & Specifications

Features –

- Adjustable height plow.
- 7" diameter auger. Auger motor is removable.
- Extruded vibrator – fixed or floating.
- SLS- Driven using a single yoke and cylinder.
- Adjustable needle valves control auger and SLS extent/retract speed.

Specifications

Head weight	280 lbs. (127 kg)
Overall width	98 3/8" (2.5m)
Overall height	18 3/8" (.45m)
Overall depth	24 3/8" (.63m)



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