

VSS Minimac[®] CR-1000

Slurry Seal/Microsurfacing



Valley Slurry Seal continues to pioneer pavement maintenance equipment solutions by introducing the VSS Minimac CR-1000, the world's only compact slurry seal/microsurfacing machine with continuous-run operation. Now, contractors can have all the great features and benefits of the go-anywhere, highly respected Minimac and take on larger jobs where continuous-run paving is an advantage or requirement.

Versatility is the key to the compact Minimac CR-1000. The Minimac CR-1000 is uniquely suited for:

Supporting larger, application machines on bigger jobs, such as the VSS Macropaver.

Tackling smaller, continuous-run projects.

Operating in confined spaces, in a non-continuous mode, for parking lots, garages, driveways, footpaths, walkways, golf cart paths and other jobs where big machines and large crews aren't feasible or cost-effective.

The Minimac CR-1000 is even more versatile since it can be driven from either end of the machine thanks to its dual-drive system. This allows the driver to be located in the most optimum position for either continuous-run operation in the front or in the back for traditional slurry/microsurfacing.

The Minimac CR-1000 offers production rates of 1.5 tonnes/min. (1.65 tons/min.) or better.

This machine is feature-packed, beginning with single, one- or two-man operation - two if in continuous run. Critical operations are controlled with a single joystick. Auto-sequencing assures consistent application of all slurry seals and other polymer microsurfacing. Material is thoroughly mixed automatically by a double-shafted pugmill. It can also deliver material on grades up to 15%. With proper material staging, non-continuous operation loading takes as little as five minutes.

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DIMENSIONS

Total Unit Length	8.08 m	26.5 ft.
Overall Width	1.83 m	6.0 ft.
Overall Height	2.24 m	88 in.
Wheelbase	3.66 m	144 in.
Unladen Weight	8,165 kg	18,000 lbs.
Maximum G.V.W.	14,515 kg	32,000 lbs.
Tire Size	28 x 12.5 x 15	24 ply

VEHICLE INFORMATION

Drive Train	Hydrostatic 4-wheel drive	
Gradeability	25% grade	
Shuttle Ground Speed	21 kph	13 mph
Turn Radius	6.1 m	20 ft.

CAPACITIES

Aggregate Capacity (level)	2.3 cu. m	3 cu. yd.
Aggregate Capacity (heaped)	3 cu. m	4 cu. yd.
Emulsion Capacity	1,173 liters	310 gallons
Water Capacity	1,173 liters	310 gallons
Fines Capacity	170 liters	6.0 cu. ft.
Additive Capacity	246 liters	65 gallons
Fuel Tank	170 liters	45 gallons
Hydraulic Reservoirs	284 liters	75 gallons

PERFORMANCE

Pugmill Output	1.5 tonnes/min.	1.65 tons/min.
Emulsion Transfer Pump	276 liters/min.	73 gallons/min.
Water Transfer Pump	378 liters/min.	100 gallons/min.

FEATURES

- Automatic start/stop materials sequencing
- Automatic low aggregate shutdown sensor
- Integrated cement hopper with built-in fluffer
- Heated emulsion pump (hot water supplied by engine)
- Additive tank/pump system
- Quick-open Teflon insert emulsion valves
- Pavement fog sprays and joint sprays
- Automatic variable amplitude hydraulic hopper vibrator
- Visual sight flow gauges for water/additive
- Direct drive jackshaft system
- Emulsion self loading
- Quick cleaning emulsion filtration system

POWER

- John Deere turbo-charged diesel, 104 kW@2400 rpm (140 hp)
- Hydraulic quad pumps, variable displacement, pressure & flow compensated, combined 490 liters/min. (130 gpm)
- Emulsion Pump - Hot-water jacketed 2" positive variable displacement, 333 liters/min. (88 gpm)
- Water Pump - 113 liters/min. (30 gpm)
- Additive pump - 45 liters/min. (12 gpm)
- Pugmill - double-shafted Magna gun-barrel design with 46 removable auger paddles. Variable mixing speed, 260 rpm

OPTIONS

- CALTRANS approved material monitoring and control system
- High pressure washer/reel



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