

OUR PAVER FINISHER MACHINES ARE
TESTED AND APPROVED BY ARAI
(Automotive Research Association of India)

UNITER

ESP-03

‘S’ series



Transmission	Hydrostatic
Engine Power	76 hp @ 2200 rpm
Laying Capacity	125 TPH
Hopper Capacity	4.25 m ³
Paving Width	2.5 m to 4.5 m
Weight	9,700 kg

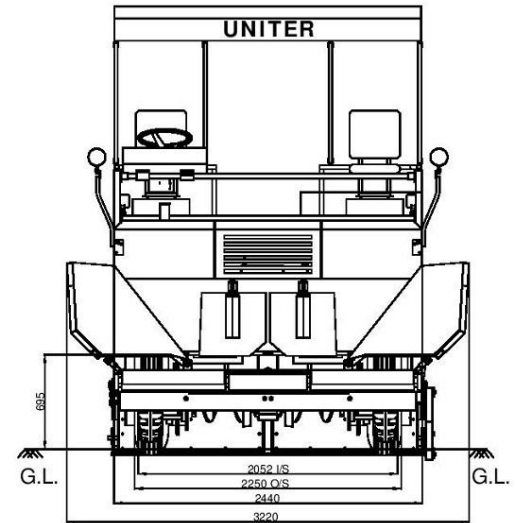
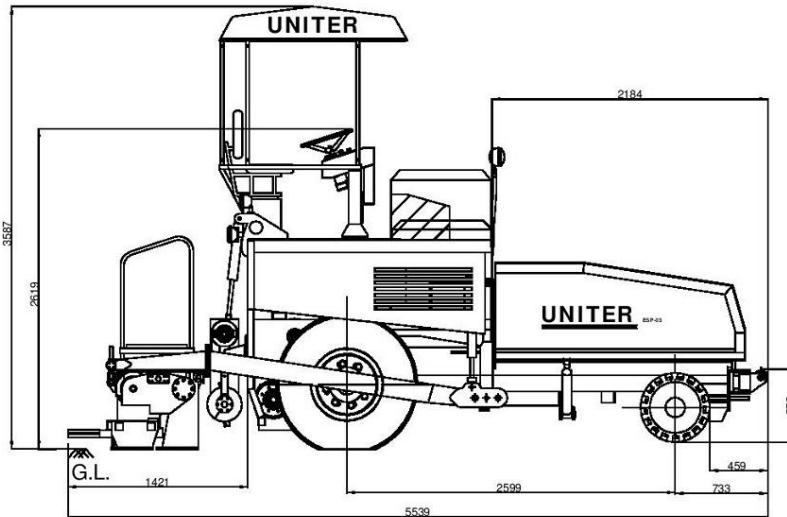
Wheels on rear axle	Two wheels
Electronic Sensor	MOBA, Germany
Operator Seat	Double
Material Suitability	
Option 1:	Bituminous material
Option 2:	Bituminous, Wet mix, GSB, DLC, DBM material

INDIAN MACHINES. DELIVERING BEYOND EXPECTATIONS.

Model: ESP-03

'S' series

DESIGN AND SPECIFICATIONS



* Dimension shown in above figure are measured in mm.

POWER UNIT

Engine	Kirloskar make water-cooled electric start diesel engine, Model 4R 1040T, 76 hp (57 kW) @ 2200 rpm or equivalent
Electrical System	12 V DC
Emission Standard	BS-III
Speed Reduction Gearbox	Two speed reduction gearbox to achieve low speed for paving and high speed for traveling

PERFORMANCE

Laying suitability	Option 1: Bituminous material Option 2: Bituminous, Wet mix, GSB, DLC, DBM material (Dual Purpose)
Laying Capacity	125 TPH
Laying Thickness	200 mm (Max) to 10 mm (Min) 8" (Max) to 3/8" (Min)
Transmission	Hydrostatic
Working Speed	0 to 24 m/min (Max.)
Travelling Speed	0 to 16 km/hr (Max)
Weight	9,700 kg (21,410 lb) approx.
Slope & Grade Control	MOBA, Germany make electronic sensor (Auto & Manual mode available)
Maintenance Shutters	On two side of machine
Traction & Conveyor Pump - Motor	Sauer Danfoss, Germany or equivalent

SCREED

Screed width	2.5 m (8' 2 1/2") basic width, Hydraulically extendable up to 4.5 m (14' 9 1/8")
Crown (Manual)	-1° / +4°
Screed Heating	Yes, with 8 LPG burner facility
Screed Vibration	Yes. (Fix speed)
Screed Tamping	No. Available on request

UNDER CARRIAGE

Rear Wheel	Two no. Pneumatic Tyre Size: 11.00 x 20
Front Wheel	Two no. Solid Rubber Tyre 550 Dia. x 175 mm wide

REFILL CAPACITIES

Fuel	76 L (16.8 gal)
Hydraulic Oil	192 L (42.3 gal)
Cooling System	6.5 L (1.4 gal)
Engine Oil	11 L (2.4 gal)

OPERATOR STATION

Control Panel Type	Sliding
Operator Seat	Double Operator Seat
Travelling Function	Left & Right side
Operating Function	Left & Right side
Steering	Hydraulic
Brake	Caliper disc brake on both the sides

CONVEYOR & AUGER SYSTEM

Conveyor & Auger	2 Sets, one on each side
Conveyor Drive	Hydraulic
Conveyor Control	ON / OFF switch function
Auger Screw Size	Dia 250 mm (10")
Auger Material	Ni-Hard / High Chromium Steel Material

HOPPER & FEEDING SYSTEM

Hopper Operation	Hydraulic
Hopper Capacity	4.25 m ³ (151 ft ³)
Hopper Width	Working: 3.22 m (10' 6 3/4") Closed: 2.44 m (8')
Feed Tunnel Width	1.276 m (4' 2 1/4")

DIMENSIONS

Operating Height	3.56 m (11' 8 1/8")
Shipping Height (canopy tilted)	2.70 m (8' 10 5/16")
(w/o canopy & exhaust)	2.68 m (8' 9 1/2")
Shipping Width	2.69 m (8' 10")
Length (Tractor unit + screed)	5.53 m (18' 1 1/4")
Wheel Base	2.62 m (8' 7 1/4")
Dump Height	0.70 m (2' 3 1/2")
Thrust Roller Height	0.57 m (1' 10 1/2")

MACHINERY ACCESSORIES

Canvas Canopy; Working & Traveling Lights; Tool Kit with Jack; Horn

OTHER FEATURES

All operating levers including panel switch board are handy and within easy reach; All gears and shafts of gear box are made from alloy steel and are hardened and ground for efficient working; Screed is vibrated with hydraulic motor to compact laid layer; All jacks are having same kind of seal kit (Piston seal and rod seal of PU material).

(Note: Specification / description / dimensions are indicative and subject to change without notice due to modification alteration or custom engineering.)

UNITER ENGINEERING PRODUCTS

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