

APOLLO HYDROSTATIC TRACK PAVER

AP 1000



AMMANN
Apollo

ENGINEERED FOR PERFORMANCE, VERSATILITY & DURABILITY

The AP1000 CEV V Asphalt Paver is built to deliver exceptional paving results in every project. Designed with advanced engineering, it combines robust construction and intelligent features to ensure superior performance, unmatched versatility, and long-lasting durability.

The AP1000 is engineered with a dedicated focus on Wet Mix applications, making it a standout performer in challenging paving environments. Its robust design, enhanced material handling system, and precise flow control ensure smooth, consistent laying of wet mix materials—delivering superior compaction, uniformity, and surface finish. Built specifically to handle the heavier, more abrasive nature of Wet Mix, the AP1000 maintains high productivity with minimal wear, enabling contractors to execute large-scale infrastructure projects with confidence. While its dual application capability supports both Asphalt and Wet Mix, the machine's optimized configuration for Wet Mix operations sets it apart as a reliable, high-performance solution for demanding road construction needs.



HIGHLIGHTS

Powerful & fuel-efficient engine

Powered by Ashok Leyland engine, engineered to deliver unmatched power and performance while ensuring maximum fuel efficiency. Built with advanced technology and precision design, it provides the perfect balance of strength and economy for demanding paving operations.

Low maintenance & easy service access

The AP1000 is built to work harder for longer, thanks to easy servicing, quality components and a durable design. Service kits, quick track pad changes and combined with 24/7 premium support from your Amman service team help maximize uptime and profitability.

Automatic track tensioning

Automatic track tensioner ensures optimal track tension without manual adjustments. This advanced system delivers consistent performance, helps the paver maintain precise steering, and extends the life of track components for maximum reliability.

Operator comfort

The AP1000 is designed to deliver superior operator comfort and efficiency. Its control Panel ensures intuitive and precise operation, while the adjustable screed controls allow for easy customization to operator preferences. A foldable all-weather roof provides protection in varying conditions, and comfort is further enhanced by an adjustable seat and sliding control panel for optimal positioning. Excellent visibility of the job site, hopper and auger is achieved through mirrors and four powerful work lights, ensuring safe and productive paving operations.

PAVING PERFORMANCE

The Ammann AP1000 is a versatile performer, engineered to excel across diverse paving applications with its powerful 133 kW CEV Stage V engine, wide 9.5-metre paving capability, and high 700-tonne-per-hour laydown capacity, ensuring exceptional productivity and consistent surface quality on highways, urban roads, and large-scale infrastructure projects

Optimized Fuel Consumption

Reduces operating costs without compromising on performance.

High Torque Output

Ensures smooth operation even under heavy load conditions.

Eco-Friendly Technology

Meets stringent emission norms for a cleaner environment.



Reliable and Durable

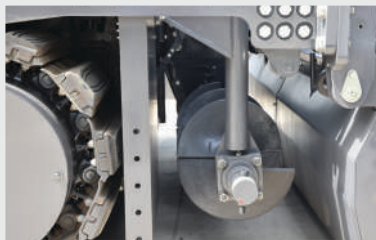
Designed for long service life with minimal maintenance.

Proven Engine. Proven Results

Ashok Leyland's proven engines offer consistent power, superior efficiency, and lower ownership costs for modern road construction.

CONVEYOR AND AUGER FEATURES

Our advanced conveyor and auger system is designed to deliver superior paving performance and efficiency: Wider Conveyor Chain (575 mm) – Ensures smooth and efficient material flow, reducing segregation and improving overall paving quality.



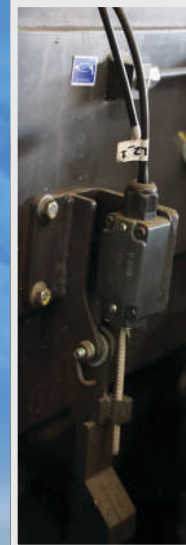
Heavy-Duty 16" Auger

Made from Ni-hard material for exceptional durability and consistent material spreading across the paving width.



Proportional Auger Control

Advanced ultrasonic sensors provide accurate material feed, ensuring uniform distribution and minimizing wastage.



Smart Conveyor Control

Equipped with an on/off limit switch for reliable and easy operation.



CONTROL SYSTEMS AND DISPLAY

Experience unmatched precision and convenience with our advanced control system

Next-Generation Touchscreen Display

The next-generation touchscreen display offers a modern, intuitive interface with enhanced features for easy navigation and real-time monitoring. Powered by proprietary Ammann software logic, it is engineered for superior performance, reliability, and seamless integration with machine functions. This intelligent combination ensures effortless operation, improved efficiency, and maximum control for the operator.



OPERATOR'S COMFORT

Operators benefit from excellent all-round visibility, including clear views of the jobsite, hopper, and auger.



Lightning

All lighting on the machine is equipped with LED Lights, ensuring superior visibility and durability. This includes auger lighting, screed lights to provide optimal illumination during paving operations.



Tiltable Canopy

The robust hard-top canopy is hydraulically tiltable, making it easier to move the paver between job sites. This design ensures safer, more convenient, and efficient transportation.



Sliding Console

Sliding operating console for ease of use.

ADVANCED FEATURES OF AP1000



Automatic Track Tensioning

- A constant automatic, hydraulic adjustment of the track chains maintains the correct tension throughout track life.
- Reduced track component wear.
- Momentary response of the track system without delay.
- Precise control in any steering mode Improved close loop system with pump calibration.



- Wider track pad (450mm) for improved traction.
- Track systems are equipped with Bolt on track pads for quicker and easier replacement.
- Electronic track control delivers superior steering stability and high paving accuracy through continuous feedback and automatic correction.



Screed Assist: Ensures smooth, precise screed control for consistent paving quality.

Screed Float: Maintains uniform screed pressure for a smooth and even mat finish.

Screed Anti-Climb: Prevents screed lift-up to maintain accurate paving thickness.





Hydraulics and Gearbox

- Four-output imported gearbox (Twin Disc).
- Hydraulic pumps and motors from Saur Danfoss, Rexroth, Casappa and Poclain.



Screed Temperature Controller (STC)

This is an automatic system designed to control and monitor gas-burner heating on STV5800G Screed. It uses three PT100 temperature sensors to regulate burner ignition based on actual screed temperature. Each screed section heats independently, with automatic start/stop and re-ignition if no flame is detected.

Once configured, the STC operates fully automatically, the operator simply presses one button to start ignition.

APOLLO STV5800G SCREED PRECISION MEETS PERFORMANCE

The Apollo 9.5 Screed STV5800G is designed to deliver exceptional mat quality, ensuring smooth, uniform surfaces even at extended paving widths. It's robust design provides outstanding stability on larger widths, minimizing deflection and guaranteeing consistent compaction. With lower setup times, operators can achieve faster transitions between projects, improving overall productivity. The screed features heavyduty guide tubes for extension and retraction, ensuring durability and precise alignment during width adjustments. Engineered for reliability and efficiency, the STV5800G sets the benchmark for high-quality paving in demanding conditions.

STV5800 Screed – Compatible with multiple grade and slope sensors, including optional Sonic Big Ski for high-accuracy, wide-width paving







TECHNICAL SPECIFICATION

CEV Stage V



WEIGHT & DIMENSIONS

Weight with Basic Screed	23500 kg
A Operating height	3635 mm
A1 Transport height	3350 mm
B Transport length	7170 mm
C Operating width	3230 mm
D Transport width	3000 mm
E Track gauge	2260 mm
F Truck dumping clearance	480 mm
G Track length	3250 mm

ENGINE

Manufacturer	Ashok Leyland
Power according to ISO3046-I	133 kW @ 2200 RPM
Max torque	700 Nm @1400 to 1700 RPM
Exhaust gas – After treatment	DOC+DPF+ASC+SCR
No. of cylinders	6
Type of cooling	Water
Emission regulations	CEV Stage V
Electrical	24 VDC

PERFORMANCE

Track	Track with electronic control drive
Track Adjustment	Hyd. cylinder operated
Track Lubrication	Life time, self lubricated
Paving capacity	600-700 TPH
Paving thickness	10-300 mm
Paving speed	0-25 m/min
Travel speed (max)	0-3 kmph
Hopper capacity (approx.)	13.5 tons

CAPACITY

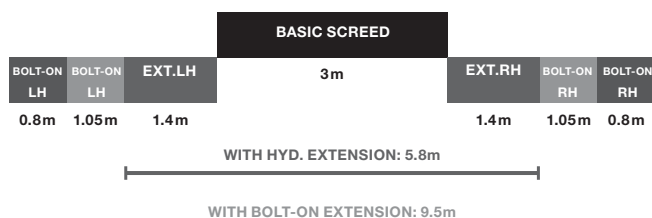
Fuel Tank	340 Ltr.
Hydraulic Tank	240 Ltr.
Urea tank	24 Ltr.

SOUND POWER LEVELS

Exterior sound power level - Static	109 dB
Exterior sound power level - Dynamic	110 dB

SCREED

Screed type	STV5800 G
Screed basic width	3000 mm
Infinite variable extension	5800 mm
With bolt on extension max.	9500 mm
Screed weight	4300 kg
Bolt-on 1050 weight per side	420 kg
Bolt-on 800 weight per side	350 kg
Crown	-1 to + 4.5 %
Gradient slope	20% Gradient Slope
Screed vibration	Frequency 0-48 Hz
Tamping (5mm stroke)	Frequency 0-30 Hz
Screed plate	15 mm Wear Resistant (Hardox 400)
Heating system	Gas



STANDARD EQUIPMENT

- Machine with Gas Heating
- Screed STV5800G
- Foldable Hard Top Canopy
- Dual Application Conveyor
- Master Electrical Disconnect Switch
- Standard Operator Seat with Sliding and Seat Belt
- All Around LED work Lamps
- Road Lights
- Dual Operator Station with Advance Control Panel
- Screed Assist, Screed Float, Screed Anti Climb
- Levelling Moba Gradeline 2G+1S
- Tool Kit

OPTIONAL EQUIPMENT

- Telematics
- Levelling Sensors with Multiple Options
- Additional Documentation
- Central Lubrication System
- Reduction Plate Outside up to 1500mm

LOW MAINTENANCE & EASY SERVICE ACCESS

The AP1000 is designed with operator convenience and uptime in mind. Its smart engineering ensures that routine maintenance is quick and hassle-free

Simplified Maintenance Design

Fewer moving parts and robust construction minimize wear and tear, lowering overall maintenance costs.

Quick Service Intervals

Optimized layout allows technicians to complete routine checks faster, keeping your machine on the job longer.

Durable Components

Built for longevity, ensuring consistent performance with minimal intervention.

Easy Access to Key Components

Serviceable parts are positioned for effortless reach, reducing downtime during inspections and repairs.





AMMANN A-CLOUD IOT TECHNOLOGY



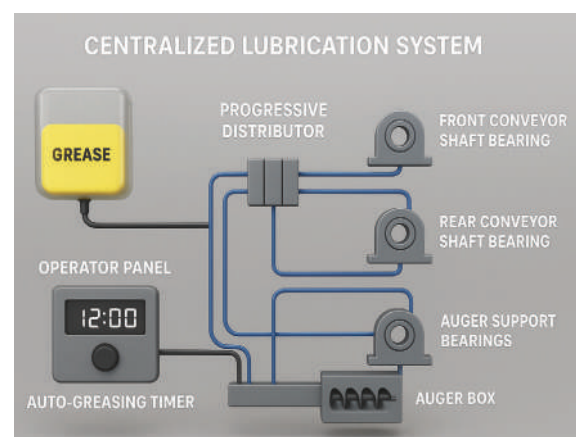
- Monitor your entire operations at your fingertips.
- Get vital statistics and MIS information live – on the go.
- Generate insightful business and performance reports on mobile or tablet.
- Schedule maintenance and plan service appointments through our interactive “Case Management System”.
- Optimize your fleet and generate Automatic Reports for Govt. bodies, Billing and Planning purposes.
- Dealer Portal for Bi-directional interactions with both End Users and Ammann for Sales, Spares, Retrofits & Service.
- End-to-End Encryption for Data Security, Data Backup, SIM, Account and Subscription Management Services.
- Compliant with AIS-140 Norms & ISO-15143-3 Telemetry Standards

CENTRAL LUBRICATION SYSTEM

The centralized lubrication system ensures reliable greasing of critical bearing assemblies that are difficult to access manually.

It automatically supplies grease to key components such as the front and rear conveyor shaft bearings, auger support bearings, and the auger box, maintaining smooth operation and reducing wear. Grease from the container flows through a progressive distributor, which evenly distributes lubrication to each point for consistent performance.

The system is equipped with an auto-greasing timer controlled by the operator panel, ensuring timely lubrication without manual intervention. For added flexibility, the operator can override the timer at any time—for example, to perform extra greasing at the end of a work shift—enhancing machine reliability and extending component life.



AFTER SALES MACHINE

SPARE PARTS KITS

Minimizing downtime is essential. Spare parts kits streamline the replacement process, ensuring efficiency and cost-effectiveness. Each kit contains all the necessary parts in a single package, facilitating fast, easy, and convenient replacements.

MAINTENANCE KITS

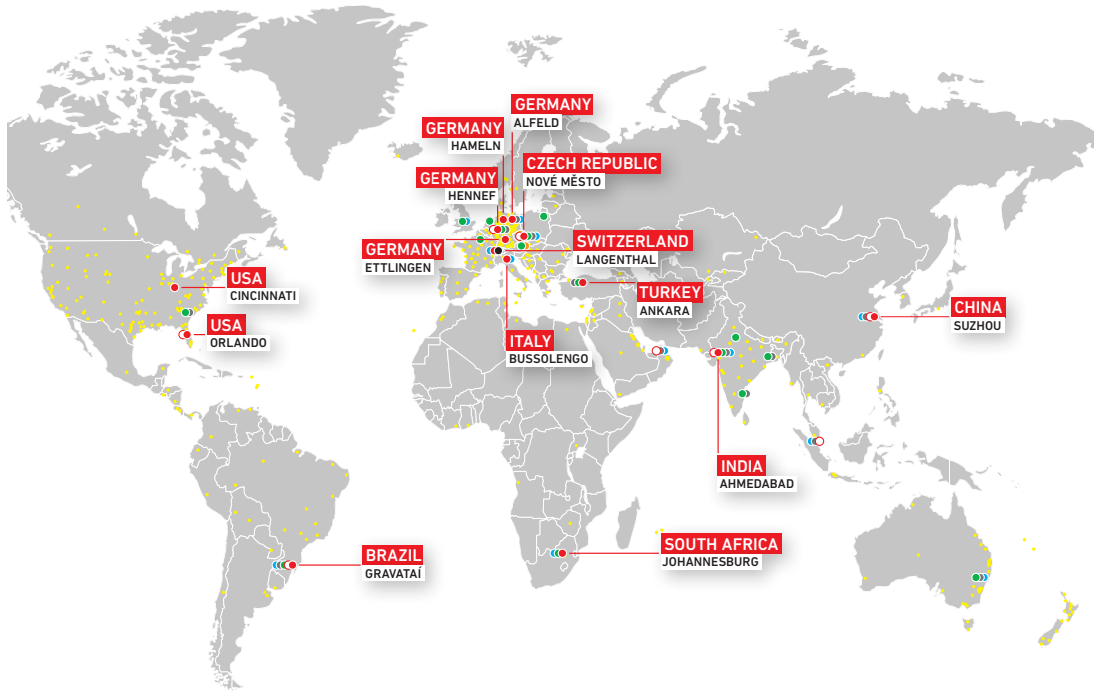
Regular maintenance is vital for optimizing machine performance and extending its service life. Simplifying maintenance tasks increases the likelihood of timely completion. Maintenance kits provide an easier solution, as they consolidate parts associated with specific maintenance intervals into a single package with a single part number.

EMERGENCY KITS

Addressing minor issues promptly prevents them from escalating into major problems that could halt machine operations or disrupt a jobsite. Emergency repair kits contain essential components such as switches, fuses, and valve coils, which are quick and easy to replace but can cause significant disruptions if malfunctioning. These compact kits are designed to fit easily in a machine's toolbox, ensuring they are readily available when needed.



AMMANN'S GLOBAL PRESENCE



An Innovative, Sustainable Business

Ammann is a world-leading supplier of mixing plants, machines and services to the construction industry, with core expertise in road-building and transportation infrastructure. We are committed to sustainability – in both the products we make and the ways we make them.

Our strengths are the forthcoming approach of a family firm that has been operating for many years, coupled with our strong and well-established international presence. Since 1869, we have been setting benchmarks in the road-building industry, thanks to countless innovations and solutions that are as competitive as they are dependable.

True to our motto, "Productivity Partnership for a Lifetime," we gear our activities to the needs and requirements of our customers around the globe. Plants and machines that consistently prove their merits under demanding conditions are the best way to give our customers the critical, competitive edge they need.

Our reliable, punctual service network provides the essential spare parts that keep our customers working – and supports the plants and machines throughout their lifetimes.

GLOBAL DISTRIBUTION & SERVICE NETWORK

- HEADQUARTERS
- REGIONAL SALES OFFICES
- SUBSIDIARIES
- AGENCIES & SALES PARTNERS
- MANUFACTURING FACILITIES & CENTRE OF COMPETENCE
- GLOBAL RETROFIT CENTRE
- WAREHOUSES
- TRAINING CENTRES

AMMANN INDIA

INDIAN DISTRIBUTION & SERVICE NETWORK

- MANUFACTURING FACILITIES & CENTRE OF COMPETENCE
- SALES & SERVICE OFFICES
- WAREHOUSES
- TRAINING CENTRES
- DEALER NETWORK



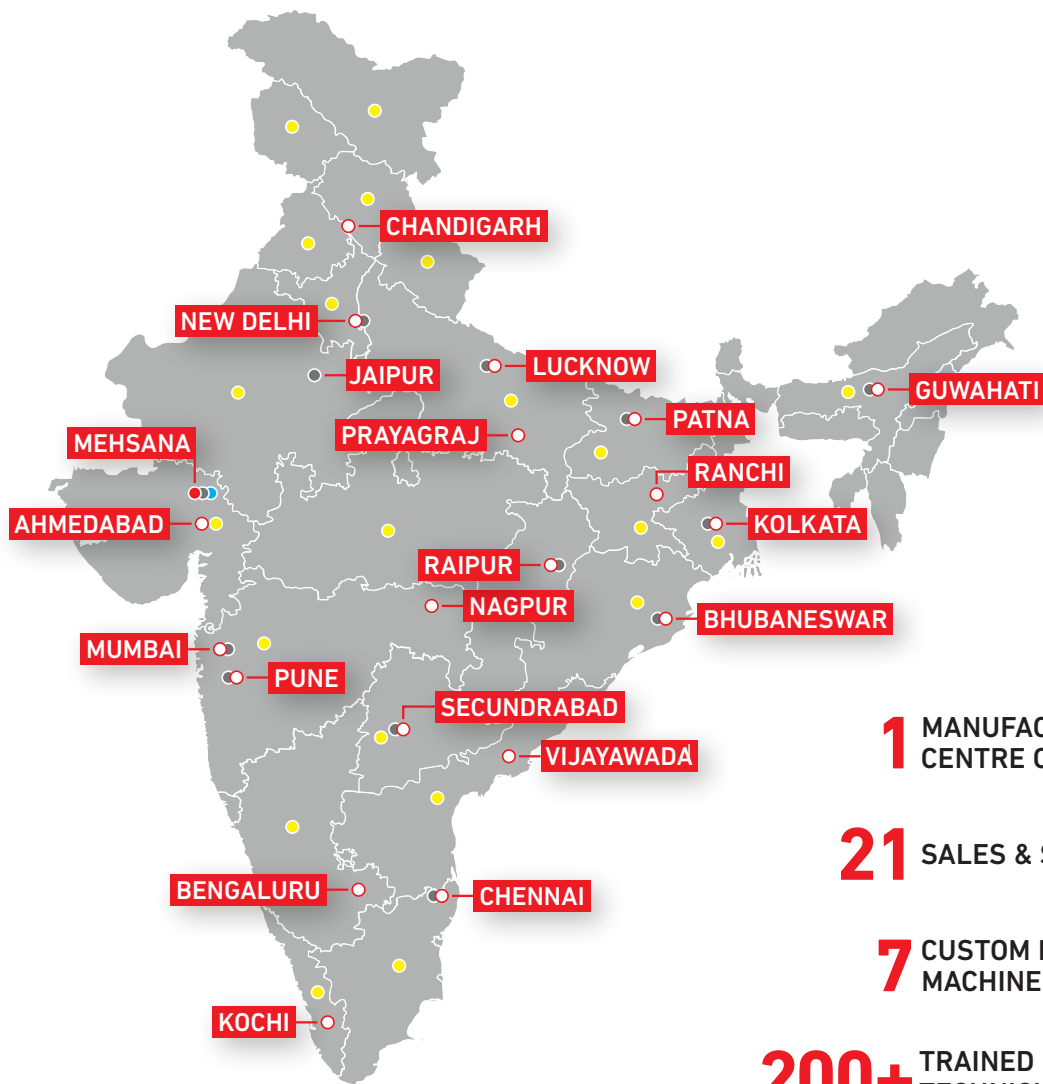
MACHINES

SOIL & ASPHALT COMPACTION
ASPHALT PAVERS



PLANTS

ASPHALT-MIXING PLANTS
CONCRETE-BATCHING PLANTS



1 MANUFACTURING FACILITY & CENTRE OF COMPETENCE

21 SALES & SERVICE OFFICES

7 CUSTOM DESIGNED PACKAGES FOR MACHINES & PLANTS SUPPORT

200+ TRAINED ENGINEERS & TECHNICIANS ACROSS INDIA

TOLL FREE NO. 1800 258 2233

DITASAN



Ammann India Pvt Ltd

Block No. 157, At. Ditasan
P.O Jagudan State Highway, Mehsana
Gujarat, India- 384460
Phone: +91 27 626 62 200
E-mail: info.ain@ammann.com

Toll Free: 1800 258 2233

For additional product information
and services please visit:
www.ammann.com

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