




SLIPFORM CONCRETE PAVERS

Unlimited possibilities in cost-effective concrete paving

QUALITY AND PROPERTY IN CONCRETE PAVING ECONOMIC SOLUTIONS



Customers are placing ever higher requirements on state-of-the-art slipform pavers in terms of performance, flexibility and economic efficiency. To meet these requirements, we at GEOMETRI have developed significant process-related innovations which have helped GEOMETRI slipform pavers to gain an excellent reputation on a global scale. The market leadership resulting from these developments is due, in no small measure, to our customers around the globe. Their confidence in our products is what keeps driving us to expand our leading position and to tread new paths in the future.

GEOMETRI SLIPFORM PAVERS



Offset Slipform Pavers

- Up to 5 mt. flat paving
- Up to 450mm thickness
- Up to 2 mt. height

Inset Slipform Pavers

- Up to 16 mt.
- Up to 450mm thickness

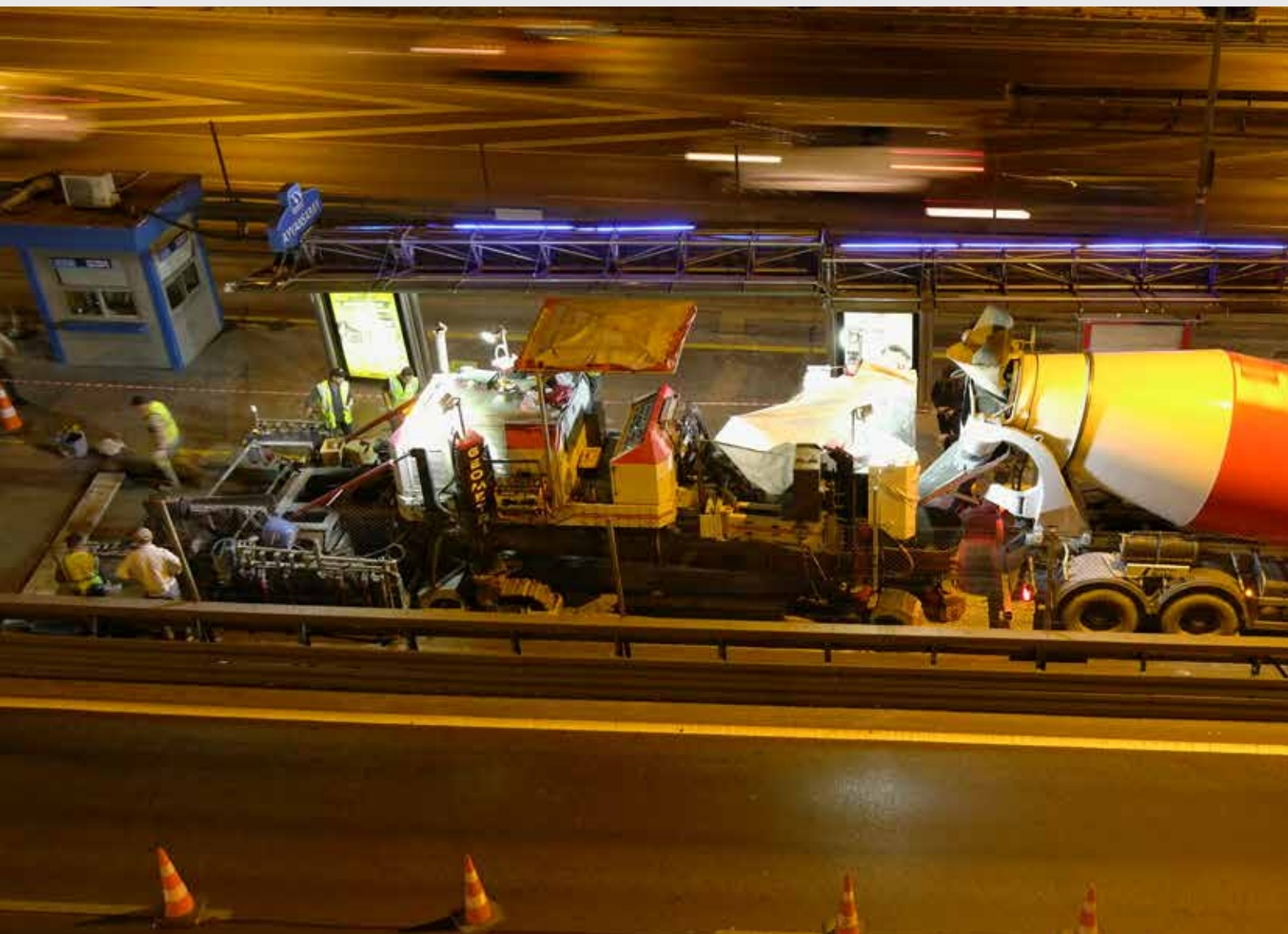
Canal Slipform Pavers

- Up to 18 mt.
- Up to 450mm thickness

SKILLED IN DIVERSE ASPECTS OF CONCRETE WORK

For every profile, the right slipform. To produce monolithic concrete profiles, you need solutions that are adaptable and convenient. GEOMETRI offers custom-made slipforms for every challenge, whether you need concrete barriers, water channels, kerbs or narrow paths. These slipforms create continuous, dense concrete structures in one go, with or without reinforcement. The result is high-quality concrete profiles that are strong, well-shaped and easy to maintain.

Moreover, GEOMETRI offset slipforms can be mounted on either side and behind of the machine. Since the formwork is attached to the back on narrow roads, it allows longer concrete laying. This makes the construction site logistics much easier and more effective, because the concrete mixer can access and exit the site at any time along the traffic flow.





1



4



2

- 1 Concrete Road
- 2 Various Size Of Curb - 1
- 3 Various Size Of Curb - 2
- 4 Various Size Of Curb - 3



3

INSET PAVERS: MOBILE PRACTICAL MACHINE FOR ROAD CONSTRUCTION



Make fast and cost-effective concrete paving. Concrete pavements are used for various projects such as highways, ports, main roads, airport runways, village roads, container storage areas or railway transport routes. These structures are exposed to a lot of stress due to heavy loads and high traffic. Concrete pavements are suitable for long-term loads. The increasing traffic volume worldwide also increases the demand for concrete pavements. For customers, smoothness, durability and timely completion of the project are very important. GEOMETRI slipform pavers, with working widths ranging from 1.0 m to 16.0 m, enable efficient production of concrete pavements. The machines are designed to meet both international standards and customers' specific needs. GEOMETRI also offers the advantage of custom-made mold production for the project, which ensures precision

AIRPORT RUNWAY CONSTRUCTION



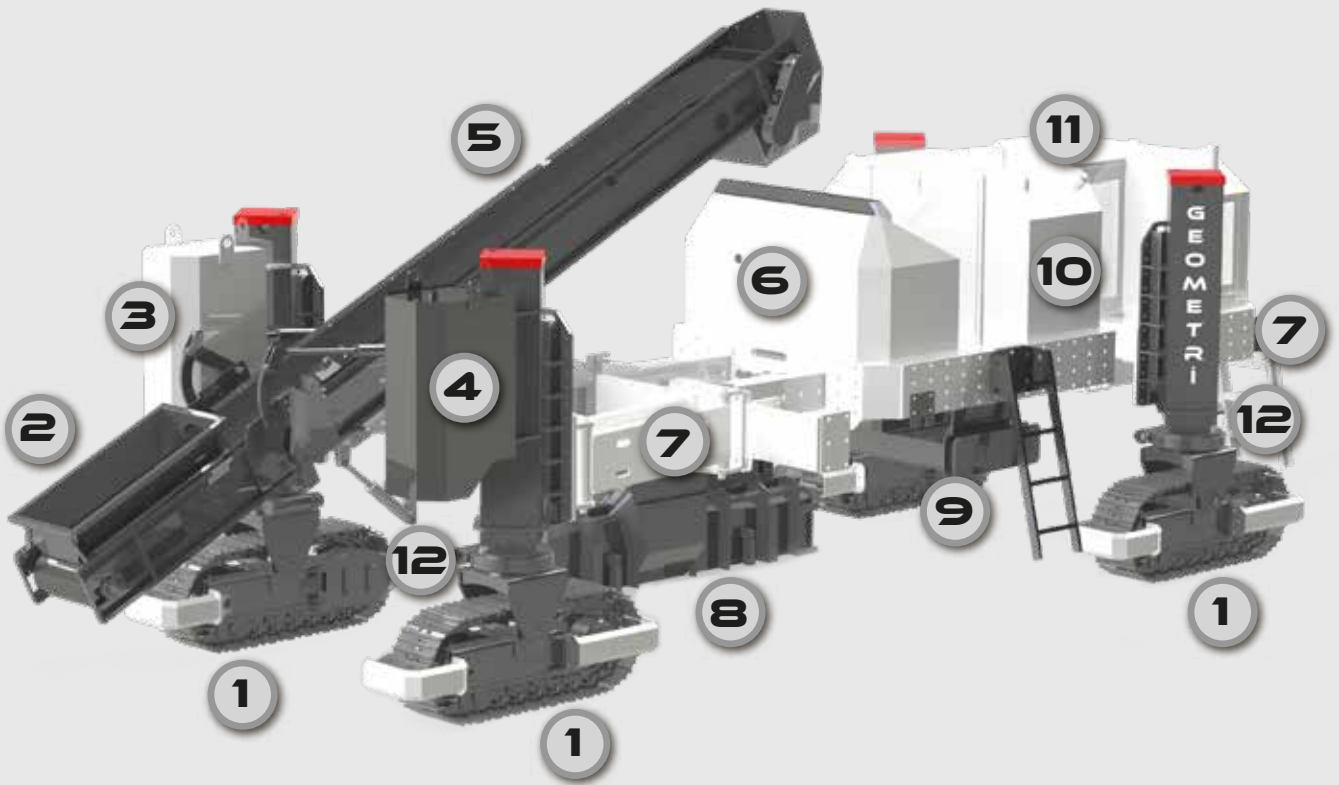
OFFSET SLIPFORM PAVERS DETAILS

The concrete mixer pours the concrete into the mold. In offset applications, the concrete goes from the mixer into the receiving hopper. The concrete moves to the sliding formwork through a rotating belt conveyor or a rotating screw conveyor. The belt conveyor has different lengths and can be folded, depending on the machine model.

The screw conveyor also has different options. For both belt and screw, all settings like conveyor speed, tilt angle or placement. In behind paving, the conveyor is placed under the paver and the concrete mixer transfers the concrete to the conveyor from the front of the machine. The transferred concrete is transported to the mold with the help of a conveyor.



PARTS



1 TRACK UNITS

7 EXTENDABLE LEGS

2 TANK

8 CONCRETE SPREADING MOLD

3 ADDITIVE TANK

9 MOLD CONNECTION (RIGHT/LEFT)

4 WATER TANK

10 HYDRAULIC COOLING SYSTEM

5 CONVEYOR BELT

11 ENGINE

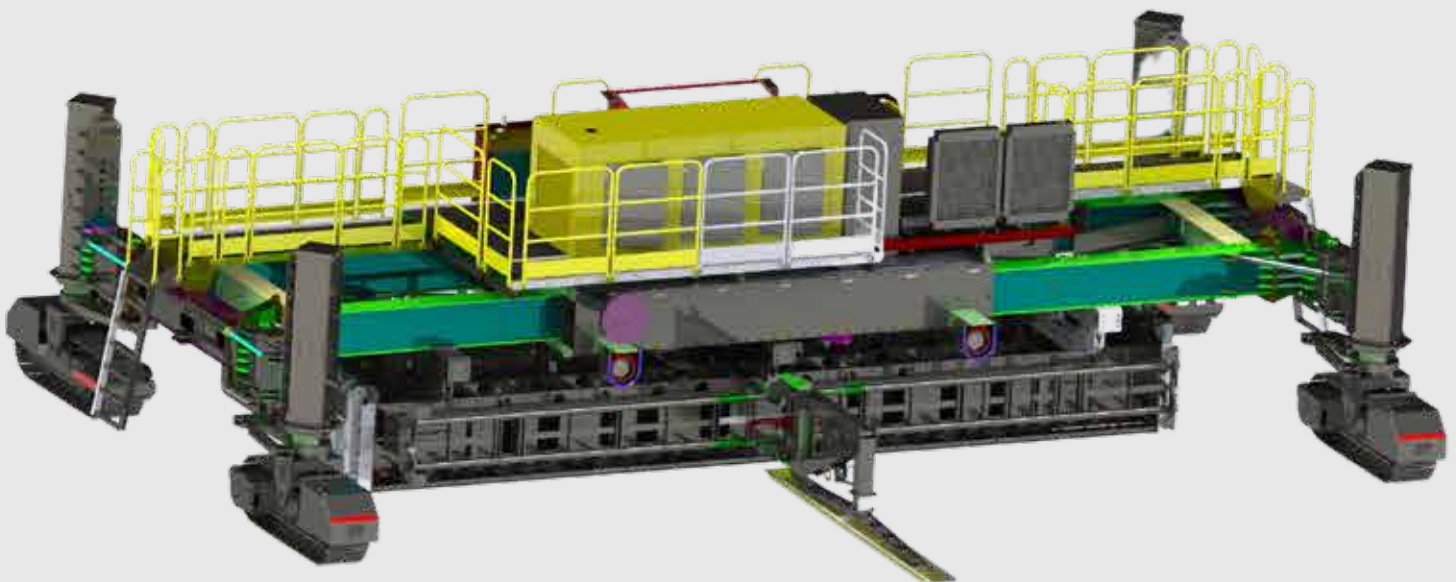
6 CONTROL PANEL

12 SENSOR

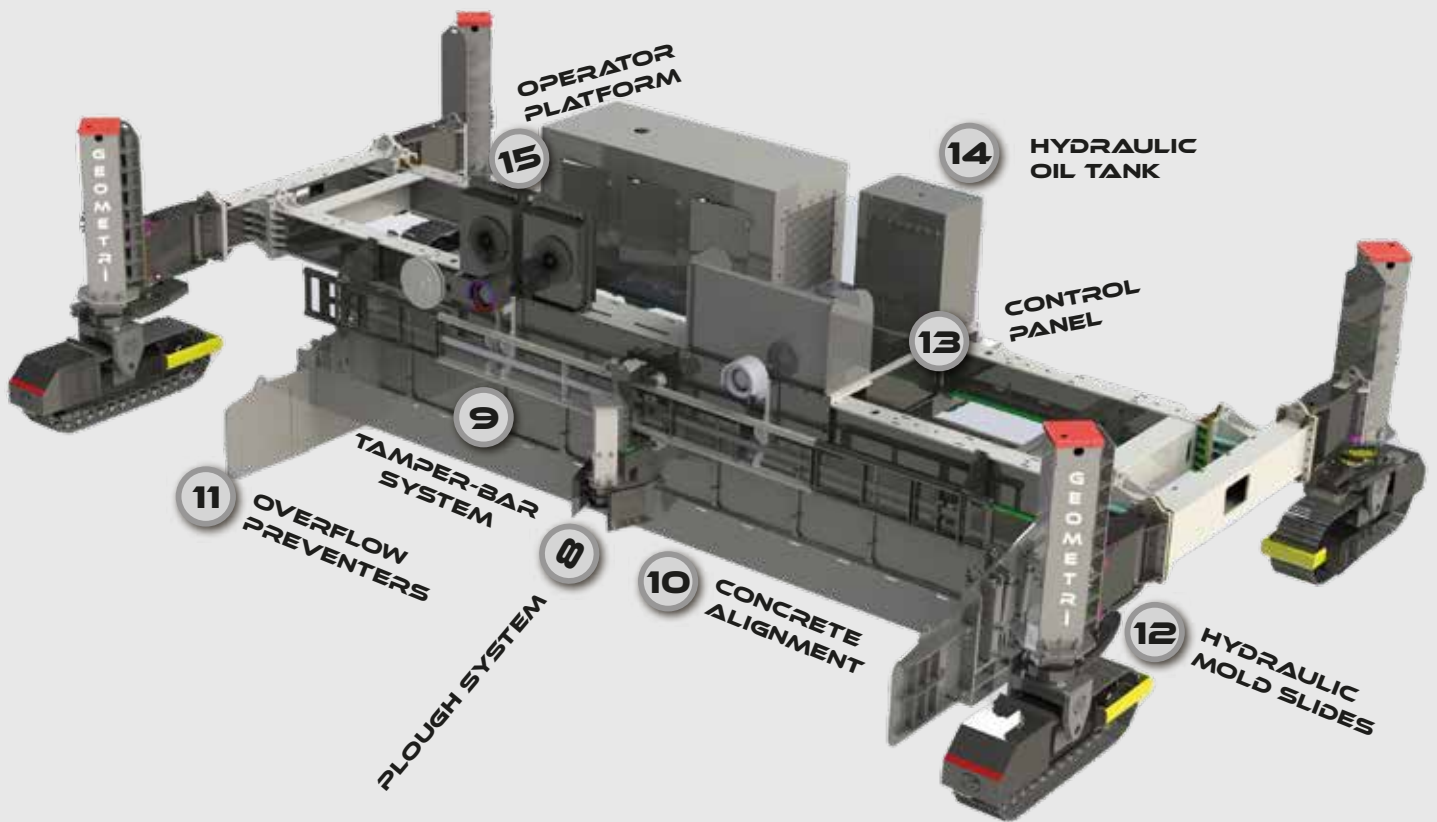
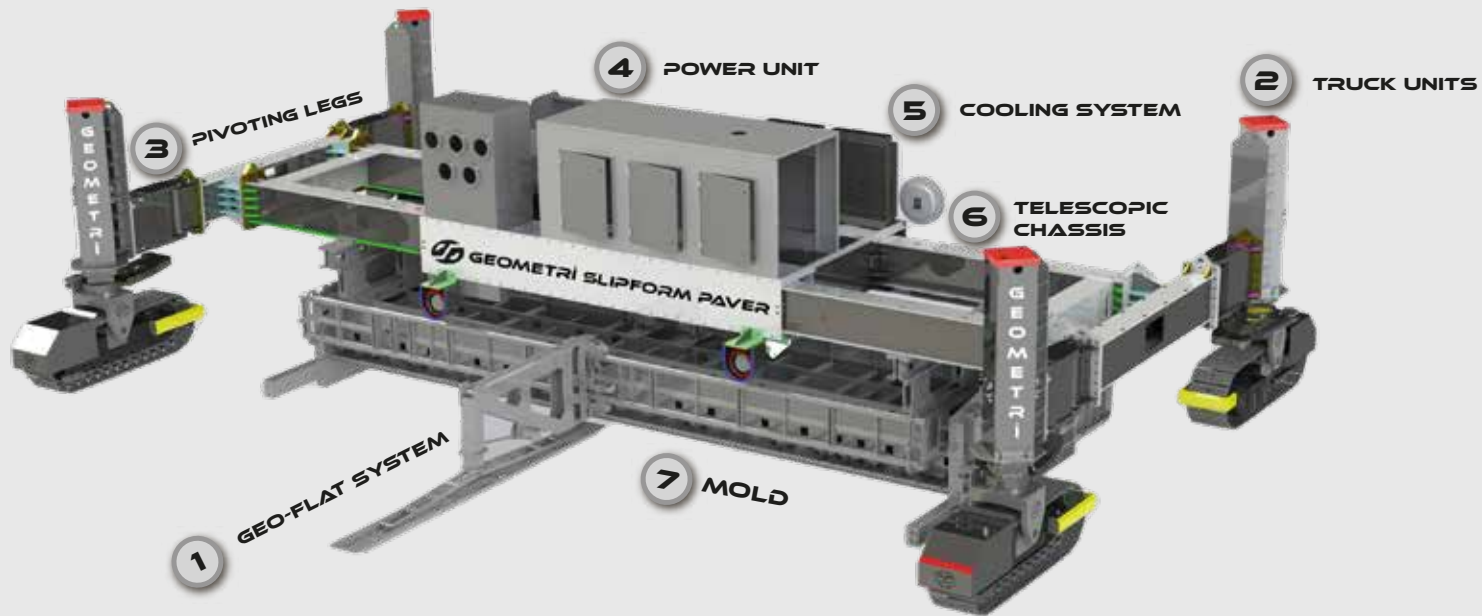
INSET SLIPFORM PAVERS DETAILS

Placing the concrete between the tracks With the inset method, the concrete is either put right in front of the slipform paver or from the side, as needed a belt conveyor or a side feeder moves it to the front of the machine. A spreading auger or a plug system then spreads the concrete uniformly over the whole paving width. Built-in hydraulic vibrators consolidate the concrete evenly. Behind the plug is the pre-concrete alignment system. This system is hydraulically adjustable. This system keeps the concrete level in the chamber at a certain level and protects the selection area of the vibrators in the mold. The positions of the vibrator can be adjusted both in height and angle. There is a tamper-bar system behind the vibrators. It helps the concrete obtain a smooth surface by pushing large dirt inside the concrete.

The inset slip formwork shapes the concrete pavement with a specific width and thickness as it advances. (Option)A dowel inserter can also be added to position the dowels properly. The specification is put into the concrete along the direction of movement. (Option)Middle or side tie bars can be placed across the road. The cross trowel screed(GEO-FLAT system) smooths the surface across the road. The “rubbing motion” makes a small ridge of concrete in front of the screed, which also ensures a high-quality surface. A longitudinal smoother can then be used to flatten the concrete ceiling



PARTS



GEO-FLAT SYSTEM FOR SMOOTH SURFACE

Optimal flatness for a comfortable driving experience
To achieve this goal, we use several technical improvements. The rigid, twist-free machine main frame helps a lot to make the concrete surface smooth. The inset slipforms also have a twist-free frame to avoid unevenness when the concrete quality changes.

The heavy trowel screed makes the surface level without any bumps. The longitudinal smoother, made of high-grade material, then gives the final surface flatness with a shaking, combined back and forth and side to side movement. Additionally, the pressure of the smoother on the ground can be adjusted according to the consistency of the concrete.





Fully Automatic Vibrator Positioning

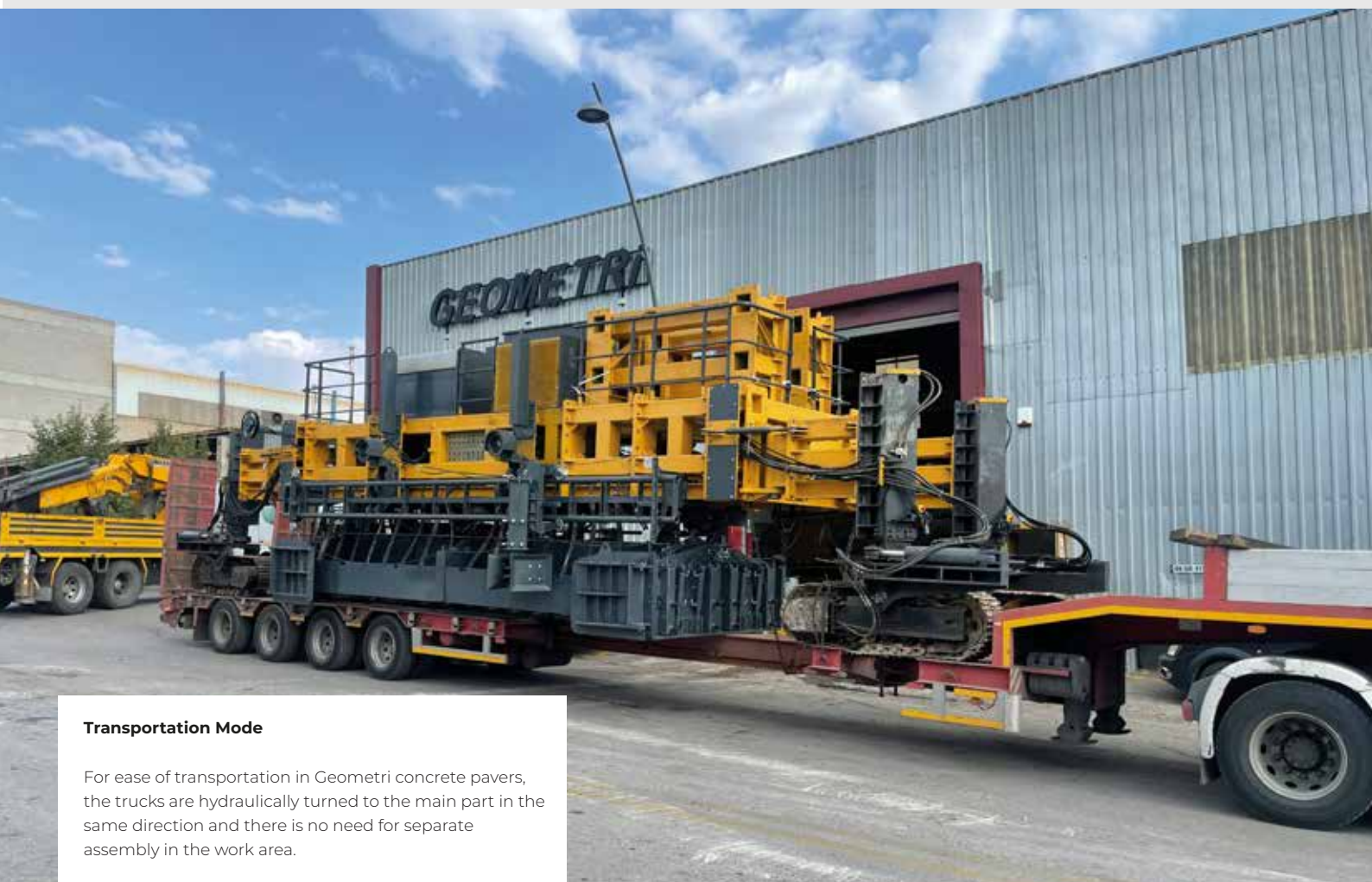
In Geometri Concrete Pavers, the vibrators can be adjusted on the control panel with the buttons the vibrator up and down and vibrator angles with hydraulically.

Telescopic Chassis

The chassis, which extends and contracts on both sides hydraulically, can easily enter narrow roads in variable concrete sizes and can be paved without losing time.

Practical and Safe Operation

Thanks to the high-tech automation system, the operator only uses the start stop button in full automatic mode. Sensors constantly adjust the direction, level, slope, steering wheel of the machine very precisely and maintain the paving quality. Forward and backward speeds can be adjusted.



Transportation Mode

For ease of transportation in Geometri concrete pavers, the trucks are hydraulically turned to the main part in the same direction and there is no need for separate assembly in the work area.

CANAL SLIPFORM PAVERS

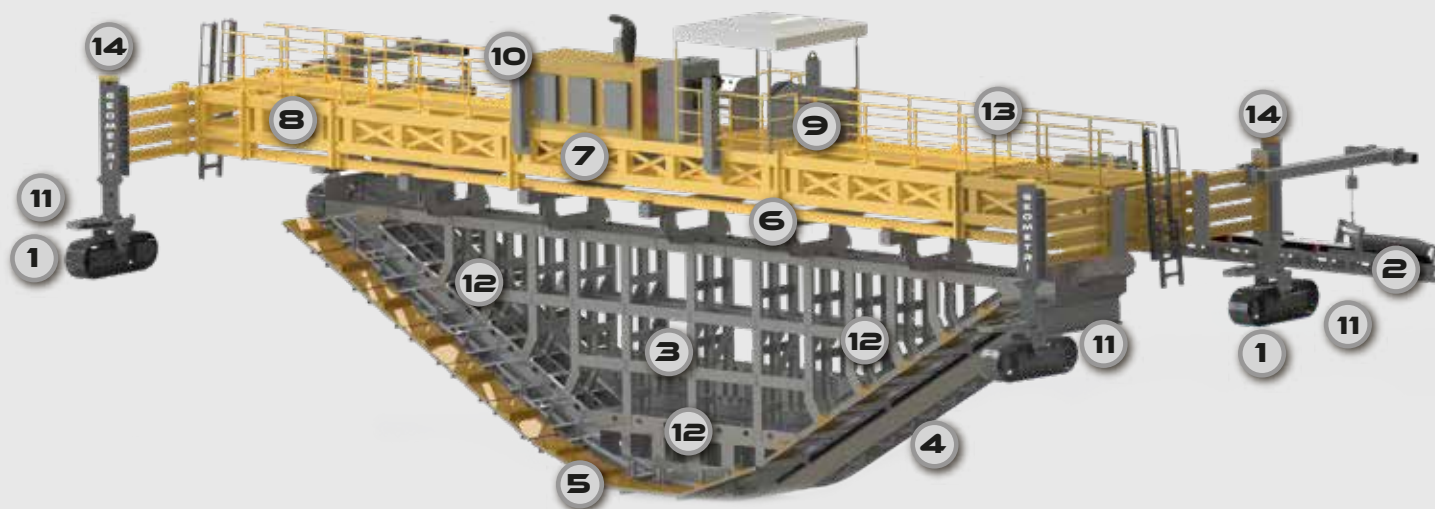
UNLIMITED PROJECT SUPPORT

First, our team of concrete paving specialists will study the submitted plans for your waterway project and analyze your equipment needs. This involves top widths, bottom widths, percentage of slope on the walls, is the slope constant throughout the project, top to bottom length of the canal walls, distance of the canals, the number of variations in the profiles, the presence of a haul road and berm, and anticipated concrete supply to the paver.

The team will break down the concepts and provide practical recommendations on the choice of slipform concrete paver and mold considerations or paving with a cylinder finisher machine. The project analysis will include the capability to build in versatility to the equipment to accommodate more than one profile. The biggest advantage you have with your GOMACO team is their extensive global experience in canals and waterways.



PARTS



1

PALLETS

8

EXTENSION CHASSIS

2

CONVEYOR

9

CONTROL PANEL

3

MOLD

10

ENGINE

4

DISTRIBUTING SCREW

11

SENSORS

5

PLATFORM

12

HYDRAULIC VIBRATORS

6

MOLD CONNECTION

13

WALKWAY/ PLATFORM

7

MAIN MACHINE

14

LIGHTNING SYSTEM

RELIABLE MACHINES THROUGH INNOVATIVE MANUFACTURING

We deliver quality Advanced manufacturing processes, expert knowledge how, tailored products, extensive quality testing, independent workers - these are the foundations of the GEOMETRI slipform paver factory in Ankara/Turkey. These standards are shown in the modern, partly computerized production machines, a high level of manufacturing skill and a well-trained workforce.

The high number of self-made variations and special parts allows a wide range of customer-specific machine equipment choices. The use of high-grade materials guarantees the performance and durability of the machines. Our success confirms us: only machines of the highest possible quality exit our production halls.



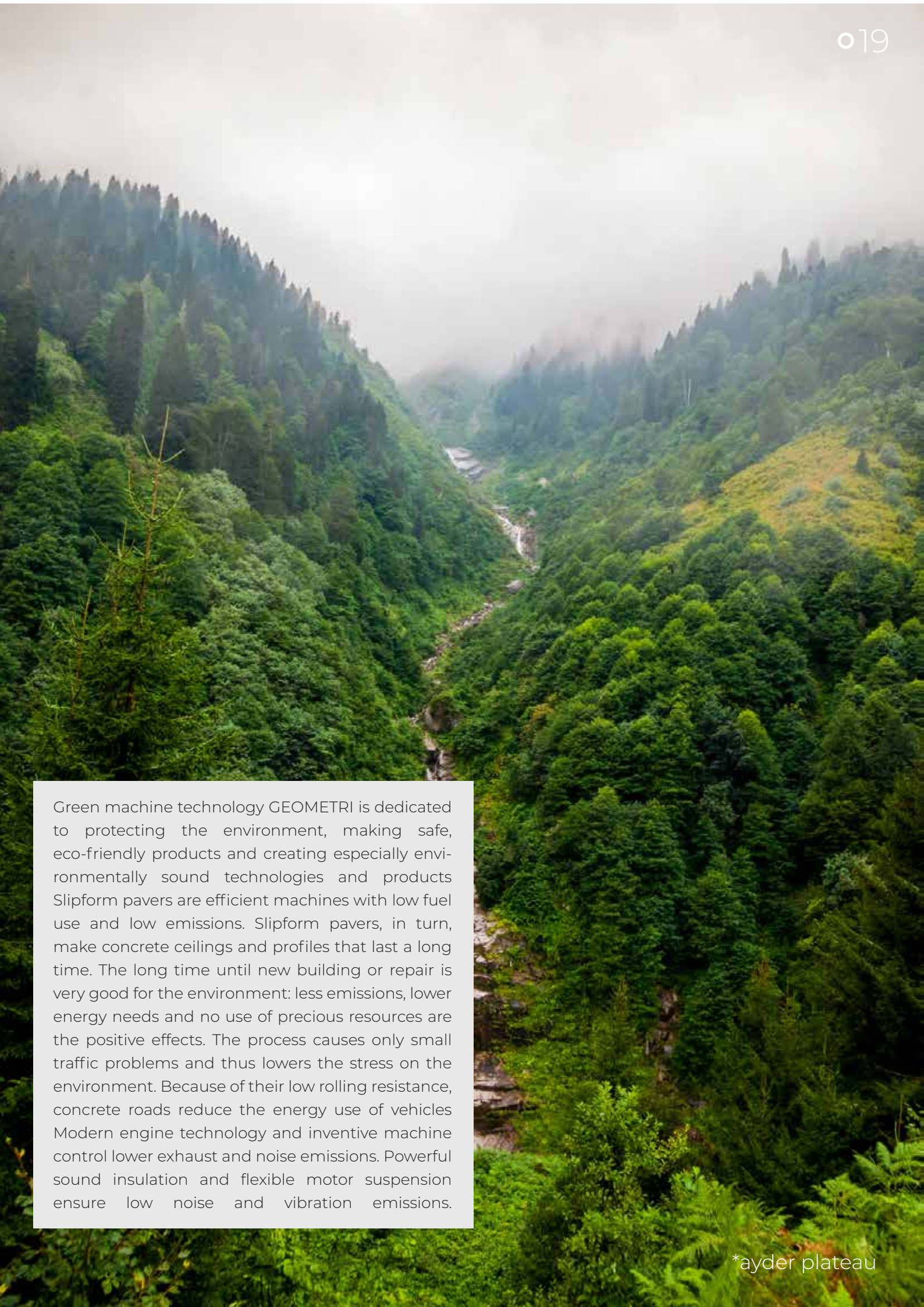


WE STAND OUT WITH OUR CUSTOMER SERVICE EVERYWHERE

We value being close to our customers. GEOMETRI combines advanced and innovative technology with a wide global service network of skilled subsidiaries, sales and trading partners. This combination ensures our customers real benefits, worldwide, 24/7. For customers, optimal service means: fast delivery times for machines, spare and wear parts as well as large spare and accessory inventories, expert guidance, demonstrations by trained specialists on site and training at the customer's location.

If needed, skilled GEOMETRI professionals assist and support you. Service technicians use it. The service technicians are well-equipped experts who know the whole GEOMETRI product line. They are always ready and ensure that ordered parts can be delivered quickly.





Green machine technology GEOMETRI is dedicated to protecting the environment, making safe, eco-friendly products and creating especially environmentally sound technologies and products. Slipform pavers are efficient machines with low fuel use and low emissions. Slipform pavers, in turn, make concrete ceilings and profiles that last a long time. The long time until new building or repair is very good for the environment: less emissions, lower energy needs and no use of precious resources are the positive effects. The process causes only small traffic problems and thus lowers the stress on the environment. Because of their low rolling resistance, concrete roads reduce the energy use of vehicles. Modern engine technology and inventive machine control lower exhaust and noise emissions. Powerful sound insulation and flexible motor suspension ensure low noise and vibration emissions.



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