

# **GHP-2800** **SLIPFORM PAVER**



**GOMACO®**

*The Worldwide Leader in Concrete Paving Technology*

# “BENEFITS YOU CAN COUNT ON WITH A GHP-2800”

Superior Rideability ... High-Production ... Versatility ...  
Job-Proven ... Quality ... Durability ... Visibility ... Serviceability ...  
Mobility ... The “GOMACO” Edge ... Safety Design ...

The job-proven GHP-2800 is preferred by contractors throughout the world. All of the features on the GHP-2800 have made this slipform paver “**number one**” in universal paving markets. This paver features the most up-to-date technology in the world. The exclusive GOMACO designs provide easier setup, operation, maintenance, troubleshooting, and safety. The GOMACO GHP-2800 is chosen by its reputation for a quality end product.

- Superior Rideability Results
- Emission Controlled Tier III Caterpillar® Engine
- Optimum Engine Performance
- Revolutionary Cooling Package
- Retractable Pedestal Console
- Lower Profile Provides Enhanced Visibility
- Shroud Lifts For Easy Service Access
- T-Beam Rail For Positioning Mold
- Ease Of Transport And Job-Site Mobility
- GOMACO’s Exclusive Operating System
- “Smart” Cylinders For Steering On The Four-Track
- Selective Steer System On The Four-Track
- Stringless Technology
- Electronic-Over-Hydraulic Circuitry
- Hydrostatic Drive System
- Modular Hardware
- Dual Telescoping Frame
- Forward Mounted Vibrator Modules Tilt In And Out
- Designed With Safety Features
- Two-Track And Four-Track Options
- Easy Access 3-Position Ladder



HW-040303-D5



HW-030315-22



HW-030315-8



HW-040303-D19

# HIGH-PERFORMANCE HYDRAULIC SYSTEM ELECTRONIC-OVER-HYDRAULIC CIRCUITRY

The GOMACO GHP-2800 Features a High-Performance Hydraulic System. All Control Circuitry is Electronic-Over-Hydraulic for Easy, Accurate Adjustment and an Instant, Controlled Response.

- Track Circuits: Tandem Closed-Loop Hydrostatic Pump
- Vibrator Circuits: Open-Loop, Load-Sensed Hydraulic Pumps
- Auger Circuit: Tandem Closed-Loop Hydrostatic Pump
- Lift Circuit: Main Circuit, Open-Loop, Pressure-Compensated Pump
- Grout Box Auger/Tamper Circuit: Open-Loop, Load-Sensed Hydraulic Pump

GOMACO's GHP-2800 two-track paver and the GOMACO 9500 placer provide high-production and a superior finish on these airport aprons at the Beaufort Marine Air Station in South Carolina. The airport aprons were slipformed in passes 25 ft. (7.62 m) wide by 12 in. (305 mm) deep. Male keyway was used to lock the slabs together. The GOMACO Auto-Float® provided the final finish.



HW-040304-D12

HW-040302-D6



Another feature on GOMACO slipform pavers that provides high-production is one-pass slipforming with integral curb on both sides of the slab.

HW-060304-D17



It was high production paving with the GOMACO four-track GHP-2800 on Highway 150 near Kansas City, Missouri. This machine was paving 22 ft. (6.71 m) wide by 12 in. (305 mm) thick passes.

HW-030312-D10

# More Contractors Choose The GOMACO GHP-2800



HW-080609-D12

Front view of the GHP-2800 as it paves under the bridge overpass with the hydraulic gantry system retracted.



HW-060625-D6

The gantry system on the GHP-2800 is hydraulically extended, and normal paving continues once the paver is clear of the bridge piers under the overpass.

High-production mainline paving with the two-track GHP-2800 on the Dan Ryan Expressway in Chicago, Illinois. This machine is equipped with a hydraulic gantry system. The gantry system hydraulically extends and retracts, allowing the paving to continue through narrow areas to clear the bridge piers.



HW-050201-D8

Peak production on this mainline paving project in Argentina was 5912 ft. (1802 m) in an 11-hour shift. The GHP-2800 was equipped with an IDBI dowel bar inserter. High-production paving was achieved while slipforming a 24 ft. (7.32 m) wide by 8.27 in. (210 mm) thick slab.



HW-090102-D6

The GHP-2800 easily handles this large airport project in Detroit, Michigan. The runways were slipformed in six 25 ft. (7.62 m) wide lanes, with side bar insertion, for a total runway width of 150 ft. (45.7 m). The depth of the runways were 17 in. (432 mm). Each of the lanes were 10,000 ft. (3048 m) long. The GHP-2800 was equipped with edge slump control, providing the superior GOMACO edge, which is a requirement for airport paving.



HW-110416-D17

## IDBI, In-The-Pan Dowel Bar Inserter

This GOMACO four-track GHP-2800 is equipped with the GOMACO IDBI dowel bar inserter, paving 23.8 ft. (7.25 m) wide, inserting 23 bars across the slab, 11.8 in. (300 mm) apart.



HW-110412-D9



Stringless Paving on Airport near Paris, France

HW-020703-D7

## Stringless Technology

The exclusive operating system allows GOMACO's trimmers, placer/spreaders, and slipform pavers to be controlled by automated 3D machine-control systems, and not by stringline.

Stringless control systems can accommodate radii or superelevations automatically according to design data.

Real-time navigation systems allow the project data created in the CAD system to be directly put into the paving process.



Mainline Stringless Paving in Brussels, Belgium

HW-100304-D33



Stringless Paving on Airport Aprons in Indianapolis, Indiana

HW-100521-D22

# High Production, Superior Rideability, and Versatility

- GHP-2800 multi-application capabilities include airport runways, primary and secondary roads, highways, city streets, ramps and approaches, parking lots, alleys and shoulders.
- The two-track and the four-track GHP-2800 have met the strictest specifications and provide superior rideability results on slipform paving projects throughout the world.
- Designed with multiple safety features such as emergency stops on strategic areas of the machine and a low-profile engine shroud providing excellent operator visibility.
- The GHP-2800 slipform paver features state-of-the-art, electronic-over-hydraulic circuitry, dual-telescoping framework, enhanced on-site mobility and job-to-job transportability.



This two-track GHP-2800, equipped with an open-front mold, slipforms the concrete that was placed ahead of the paver over continuous steel on this mainline paving project near Lynchburg, Virginia.



The GHP-2800 four-track machine provides high-production slipforming on this mainline highway project in Kansas City, Missouri. This highway was slipformed in passes 22 ft. (6.71 m) wide by 12 in. (305 mm) thick.

HW-070509-7

HW-030314-15A



HW-120311-D43

The four-track GHP-2800 is paving 24.6 ft. (7.5 m) wide and 11 in. (279 mm) thick on this mainline paving project in Baja, California.



This GHP-2800 is equipped with a trailing form and manual bar insertion designed to trail the track on two-track pavers. This system will accommodate most types of bars.

The photos below show the trailing form and manual bar inserter raised to position the machine to come off the header.

And, when the slipforming begins, the trailing form is lowered and the manual bar insertion resumes.



HW-060710-D5

# The Digital Power of GOMACO's Exclusive Operating System

The world's first full color, full text, and multi-language paver control system.

GOMACO's operating system is a digital control system with a graphical display that provides easy to understand icons and multi-language commands. It is a revolutionary proprietary software and operating system that combines intelligence with simplicity for GOMACO construction equipment. The information is presented in full color, commands are presented in full text, and this system can contain multiple languages for operation.

The GOMACO operating system features a 6.5 inch (165 mm) anti-glare display screen with sensor-controlled backlight levels. It provides superior visibility under all operating conditions. Its rugged, shock resistant construction protects it against dust, moisture, and other outdoor elements. The high-brightness, color graphics, and fourteen (14) function buttons provide the ultimate user-friendly operator experience.

Training time on the machine is reduced dramatically because the user-friendly screen and controls are easy to understand. A simplified approach with screen icons is used to represent universal and quick identifications. Text fields provide complete descriptions of instructions, faults, or other communications in order to reduce the operator's learning curve to a minimum.

GOMACO's operating system is designed for the world market with the multi-language feature. This control system features the ability to operate in English and other languages of the operator's choice. It also offers the choice of metric or imperial measurements. The graphics, combined with your native language, make it easy to understand and easy to identify the target function.

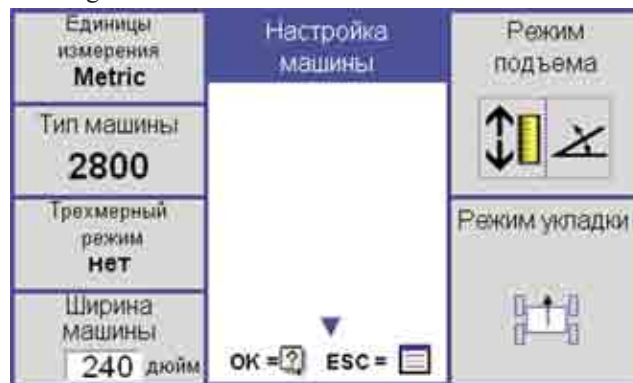
Even faster troubleshooting is possible because the operating system gives you a full explanation of the problem. Advanced system diagnostics on the operating system automatically pinpoint and identify electrical circuit opens, shorts, and fault codes to aid in troubleshooting. A bright yellow LED light alerts the operator, and the operating system describes the fault with a full explanation and recommended action.

GOMACO's control system provides easy, push-button steering set up and trainable track steering when interfaced with GOMACO "smart" cylinders on the four-track GHP-2800. Steering control has been simplified with the exclusive "smart" cylinders, used for dependable steering control feedback. The "smart" cylinder reduces moving parts and eliminates the physical adjustments to the steering system. The GOMACO operating system makes it possible to have push-button steering setup. The controller allows the operator to teach the "smart" cylinders to set a desired degree of leg rotation, so that the tracks do not strike any object in minimum-clearance or zero-clearance requirements, however, the operator has the option of overriding this setting.

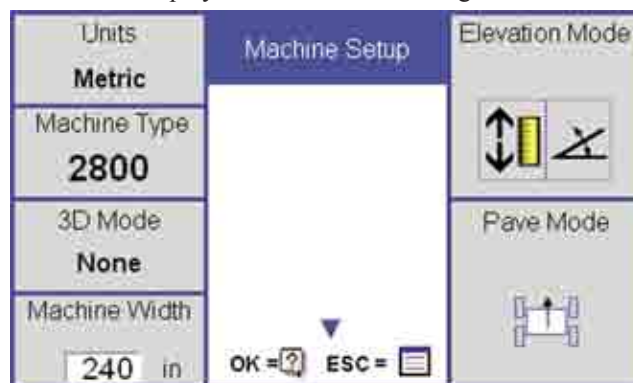
**Super Slope...** The exclusive operating system can feature the Super Slope optional software. Super Slope provides 16 times greater resolution than standard systems to provide significantly improved performance for cross-slope applications while paving.



A multi-language feature is available on the exclusive operating system. It also offers the choice of metric or imperial measurements. Newly designed icons and color graphics make it easy to understand and easy to identify the targeted function.



The multi-language feature allows the operational screens to be in English or any other major language in the world. The top display screen is shown in Russian and the bottom display screen is shown in English.

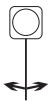




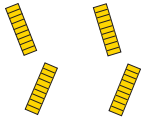
# GOMACO'S SELECTIVE STEER CONTROLS

## FEATURING STEERING CHOICES FOR JOB-SITE MOBILITY AND TRANSPORTABILITY ON FOUR-TRACK PAVERS

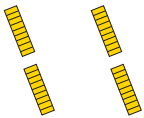
GOMACO's Selective Steer Controls feature a forward/reverse steer switch and a position switch used to select the stringline steer mode or one of the other steering modes with the steering control dial for manual track steering.



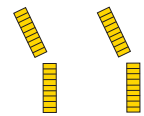
**Stringline Steer Mode ...** This mode is selected when steering is to be controlled by the steering sensors. The controller automatically recognizes where the sensors are plugged in and assigns steering, slope, or dual stringline to the appropriate tracks and display meters.



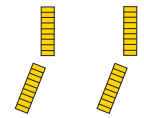
**Coordinated Steer ...** For minimum turning radius. When the steer select switch is in the "coordinated steer" position, the steering control dial will control the turning of the tracks. When the dial is in the center position, the tracks will be straight ahead. If the dial is turned left or right from the center position, the leading tracks will turn in the corresponding direction and the trailing tracks will turn in the opposite direction.



**Crab Steer ...** Walk sideways for ease in putting machine on line. When the steer select switch is in the "crab steer" position, the steering control dial will control the turning of the tracks. If the dial is turned left or right from the center position, all tracks will turn in the corresponding direction to walk the machine to the side.



**Front Steer ...** When the steer select switch is in the "front steer" position and the steering control dial is turned left or right from the center position, the front tracks will turn in the corresponding direction and the rear tracks will remain straight.

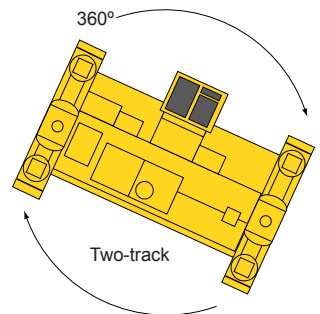
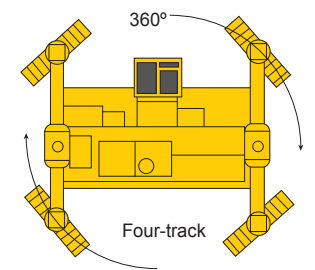


**Rear Steer ...** When the steer select switch is in the "rear steer" position and the steering control dial is turned left or right from the center position, the rear tracks will turn in the corresponding direction and the front tracks will remain straight.

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## GHP-2800 Paver Features State-Of-The-Art Technology

- The GHP-2800 two-track and four-track slipform paver features state-of-the-art electronic-over-hydraulic circuitry. This system offers increased control features on the paver, providing paving accuracy and ease of operation.
- The exclusive GOMACO control system features self-diagnostics and intelligent electronic-over-hydraulic control of grade and steering. This includes dual grade for sensing stringline on both sides of the machine simultaneously.
- The hydrostatic track drive system on the GHP-2800 includes a heavy-duty, over-pressure protection pump system that prevents pressurized loss and heat build-up. This high-performance, low-maintenance system provides a travel range from a smooth uninterrupted minimum to maximum travel speed.
- The GHP-2800 has one of the fastest tracking speeds in the industry which allows contractors to move the machine from one location to another for enhanced job-site mobility. The maximum travel speed of the GHP-2800 two-track paver is 123.5 fpm (37.64 mpm) and 70 fpm (21.34 mpm) for the four-track paver.
- The vibrators and the tamper bar are hydraulically-powered, have an automatic on/off control switch, and are synchronized with machine movement. The vibrator positioning is hydraulically-controlled for ease in start-up and finish.
- The GOMACO quick attach/detach mold system provides quick and easy interchangeability of mold profiles. The "T" beam mounting rail provides more versatility when positioning the mold under the machine. The mold can be positioned anywhere across the width of the "T" beam.
- The engine module is independent of the main frame construction. Fuel and hydraulic reservoir modules are also independent of the paver's main frame. The GHP-2800 design provides simple access to all maintenance points for serviceability.



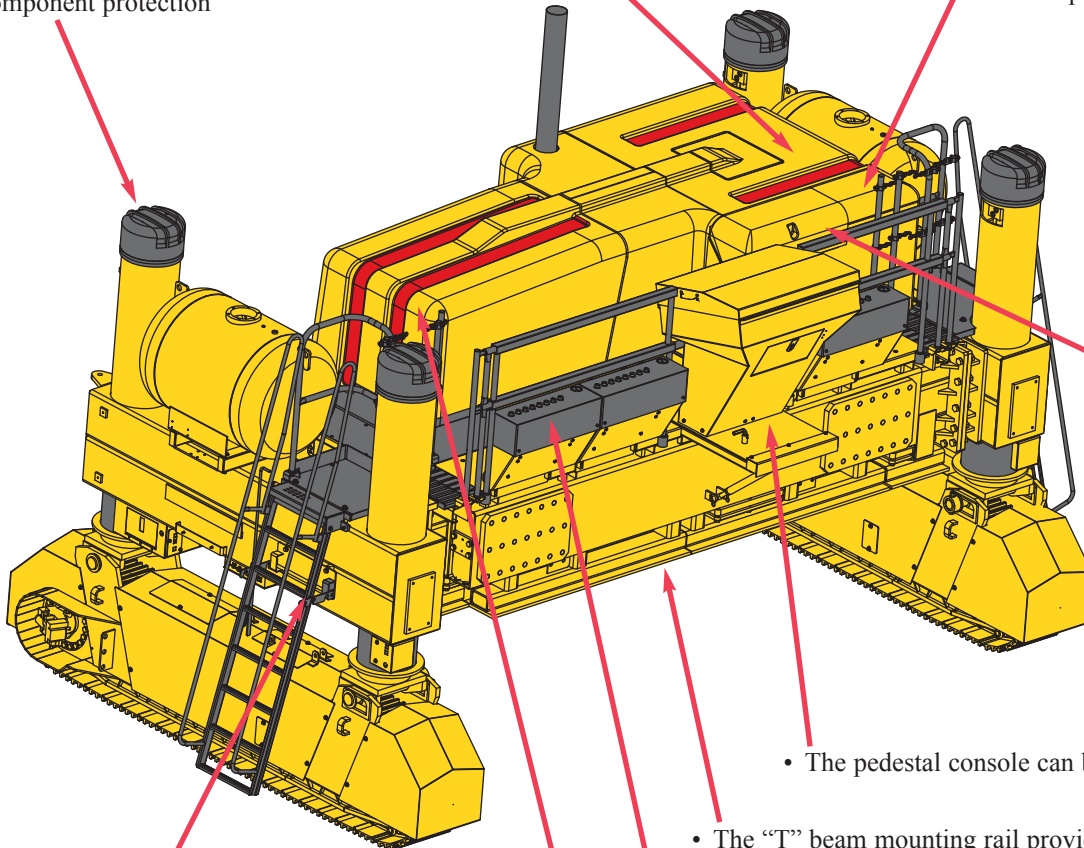
The unique counter-rotation programming allows the paver to turn 360 degrees within its own dimensions, providing excellent job-site maneuverability.

# OUTSTANDING FEATURES PROVIDE TODAY'S CONTRACTOR WITH THE ULTIMATE PAVING MACHINE OF THE FUTURE!

- Revolutionary cooling package module incorporates a centrifugal fan for noise reduction and added cooling capacity

- Industrial strength molded leg caps provide component protection

- 125 gal. (473.2 L) fuel capacity combined with Tier III fuel efficiency provide an extended day of paving



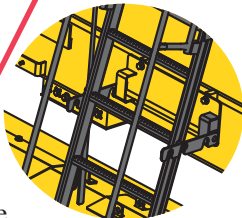
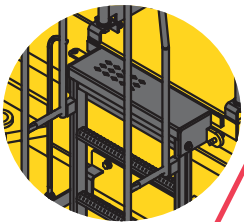
- The engine shroud provides a lower profile, increasing operator visibility and safety

- The pedestal console can be retracted for shipping

- The "T" beam mounting rail provides more versatility when positioning mold under the machine

- Vibrator modules are positioned across the front of the platform for ease in operational visibility and accessibility

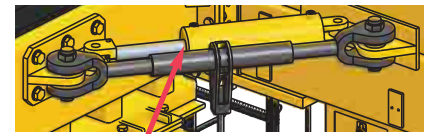
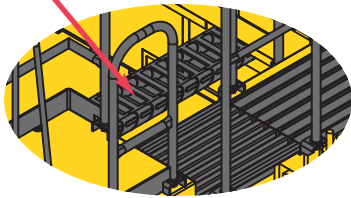
- Electronically controlled Tier III Caterpillar® C9, 8.8 liter engine with 325 hp (242.5 kW) is quiet, reliable, efficient and tuned to achieve optimum performance



- 3-position pivoting ladder allows variable degrees of angle for safety and ease in climbing and access to the operator's platform  
For minimum-clearance paving conditions, the ladder can be vertically positioned tight to the machine

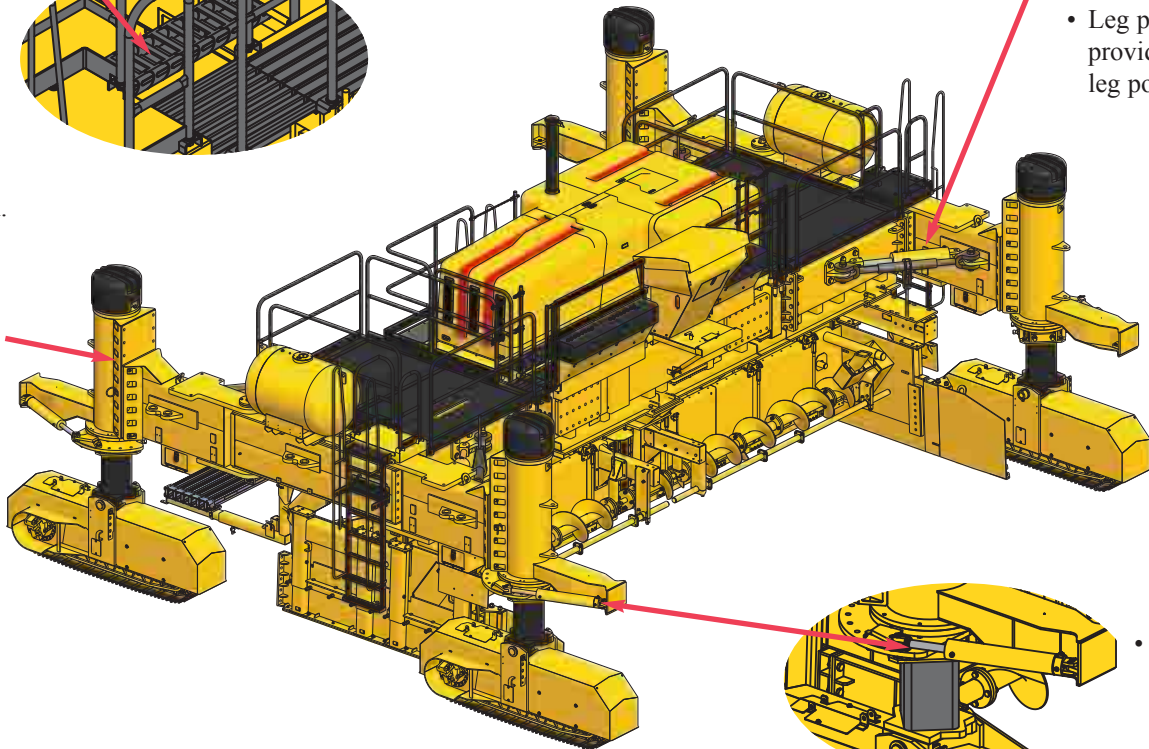
The two-track and four-track GOMACO GHP-2800 slipform paver is carefully designed to give years of dependable and safe service. Emergency stop buttons are located on strategic areas of the machine. The E-Stops are on the operator's console and on corners of the machine. Another safety feature includes a backup alarm, which is designed to alert personnel around the machine when the tracks are set to operate in reverse. Other safety features include quiet operation, track guards, warning decals, an operator's manual, and a safety manual. GOMACO machines are also designed to provide the operator maximum visibility over the entire paving operation. GOMACO Corporation recommends the implementation of all safety procedures.

- Hose/cable carrier provides protection of the hydraulic hoses and electrical cables



- Leg pivot cylinder provides hydraulic leg positioning

- Manual leg height adjustment of 18 in. (457 mm) provides a total manual and hydraulic vertical adjustment of up to 54 in. (1372 mm), allowing the IDBI package to easily fit under the machine frame



- GOMACO's exclusive "smart" steer cylinders

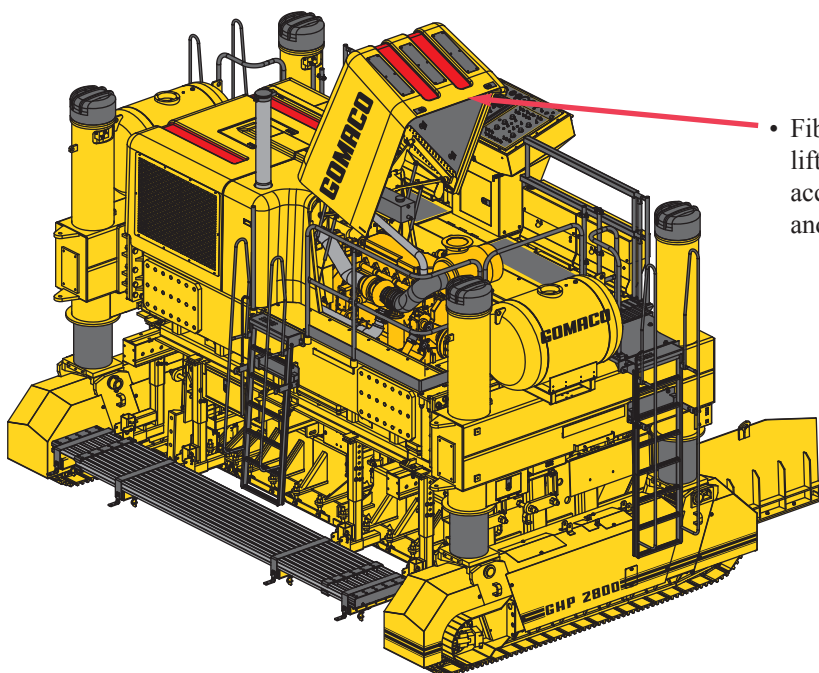
## ONLY GOMACO OFFERS THE EXCLUSIVE "SMART" CYLINDERS FEATURING PUSH-BUTTON STEERING CONTROL SETUP ON THE FOUR-TRACK GHP-2800

Only GOMACO offers "smart" steer cylinders to aid in the setup and operation of the four-track paver, especially in minimum-clearance projects.

Steering control has been simplified with the exclusive "smart" cylinders, used for dependable steering control feedback, eliminating the sprocket, chain, and potentiometer at the top of each leg.

The "smart" cylinder reduces moving parts and eliminates the physical adjustments to the steering system.

GOMACO's exclusive operating system makes it possible to have push-button steering setup. The "smart" cylinders can be taught the desired degree of leg rotation, so that the tracks do not strike any object in minimum-clearance requirements. The operator has the option of overriding this setting.

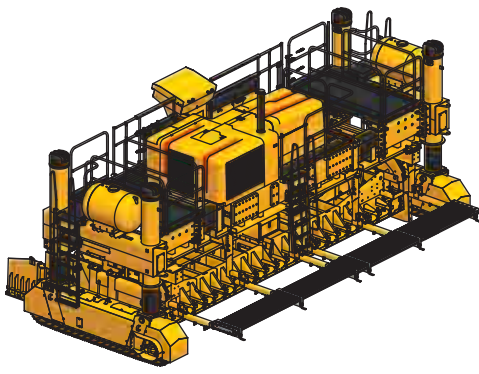


- Fiberglass shroud lifts to allow easy access to engine and service points

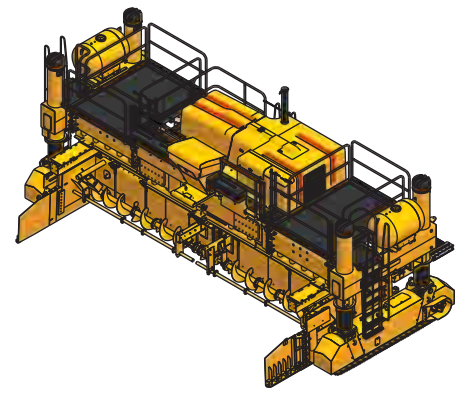
## High Production and Serviceability are Key Factors on the GHP-2800

High production and serviceability are key factors of the GHP-2800. 125 gal. (473.2 L) fuel capacity combined with Tier III fuel efficiency provide an extended day of paving, resulting in higher production.

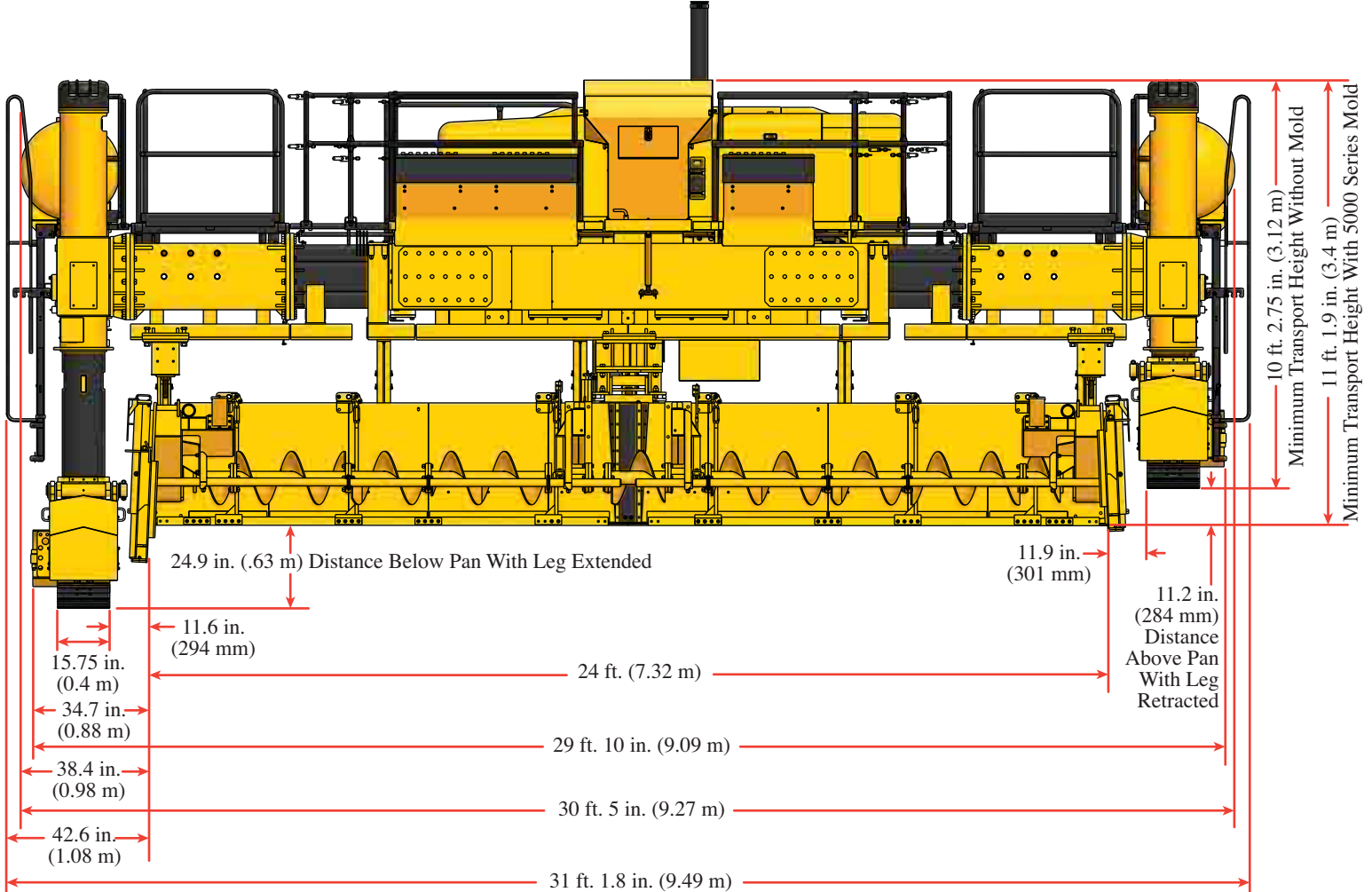
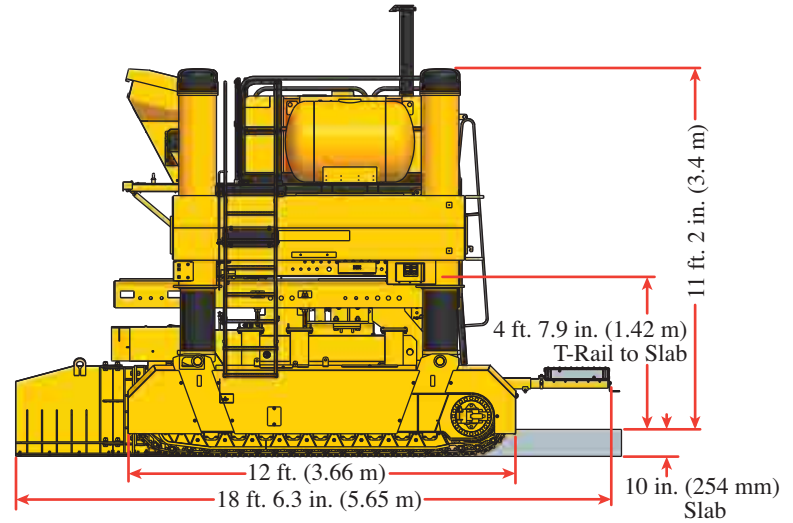
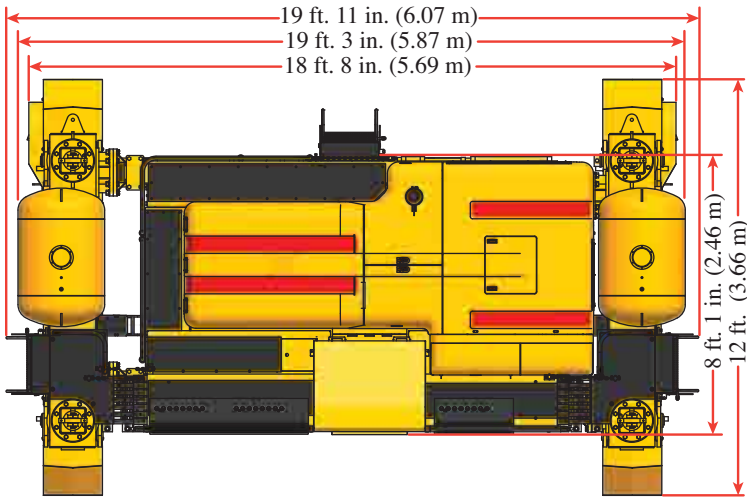
The segmented fiberglass shroud provides ease in serviceability. One section lifts up to allow access to the engine and service points. The battery box is located outside of the engine compartment for easier accessibility.

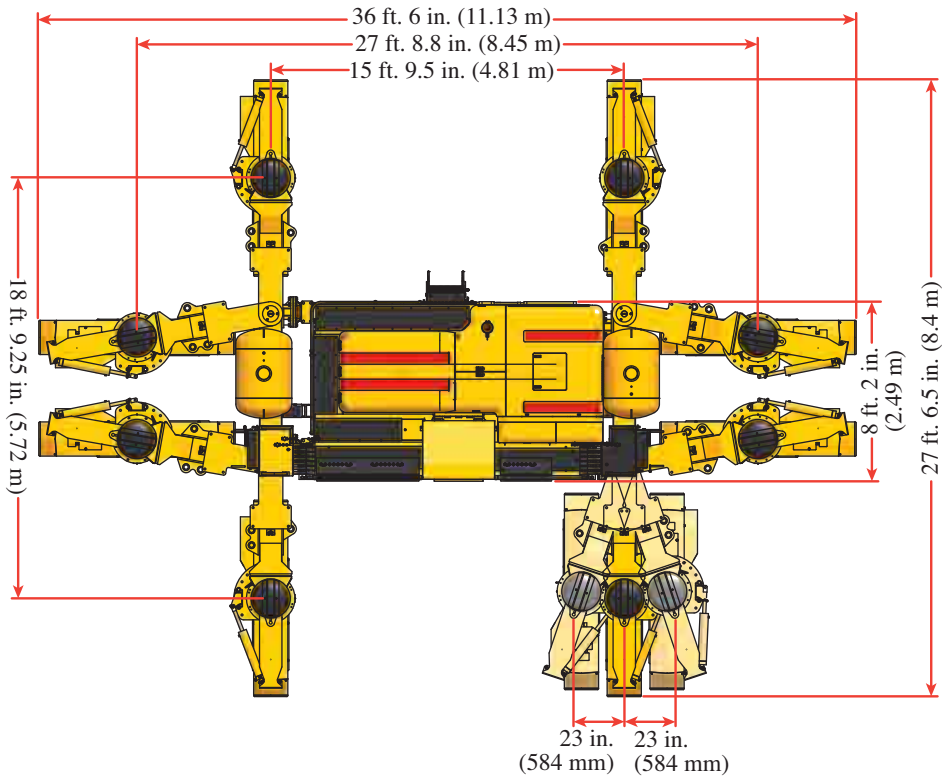


# TWO-TRACK



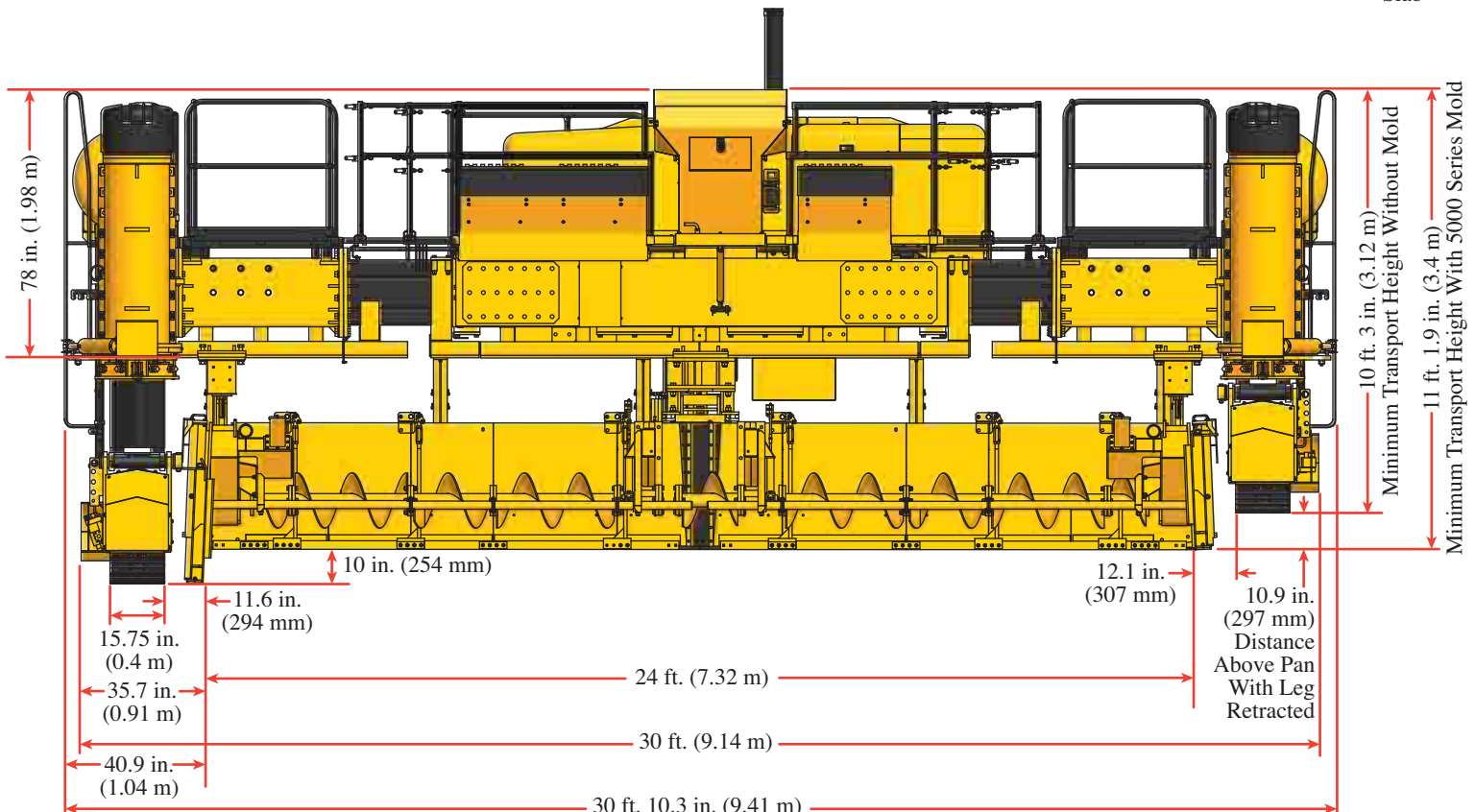
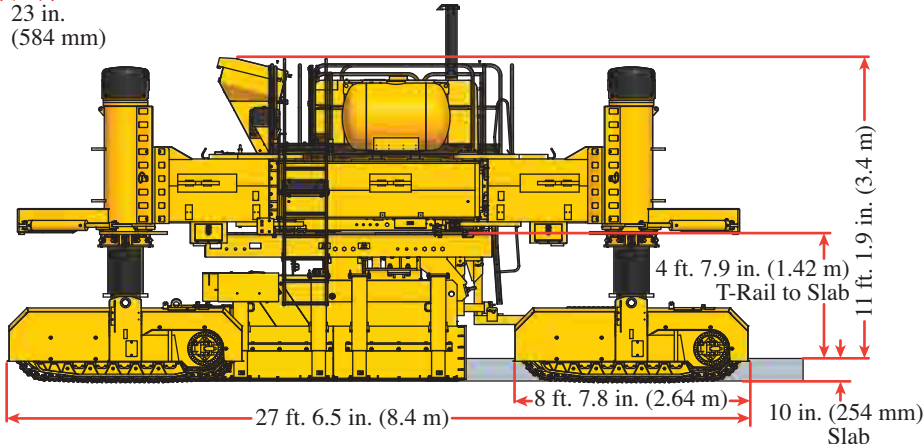
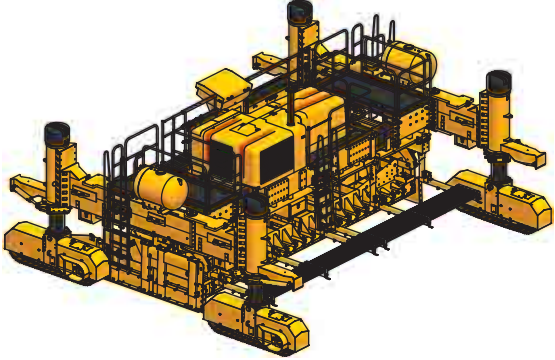
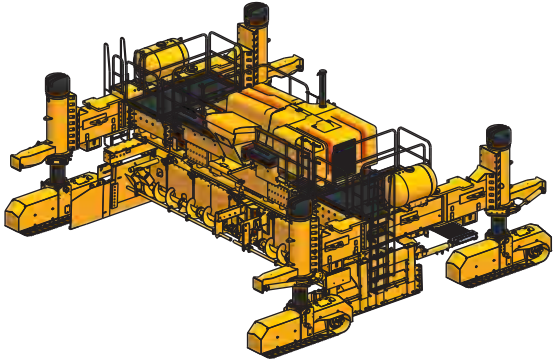
Two-Track Illustrations shown with 24 ft. (7.3 m) wide 5000 Series Open-Front Mold with a 10 in. (254 mm) Slab.





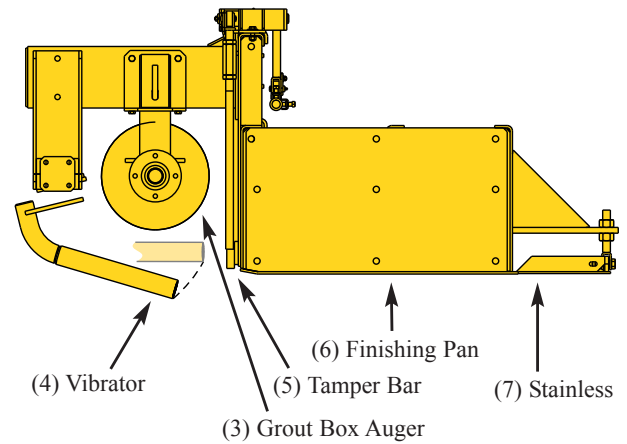
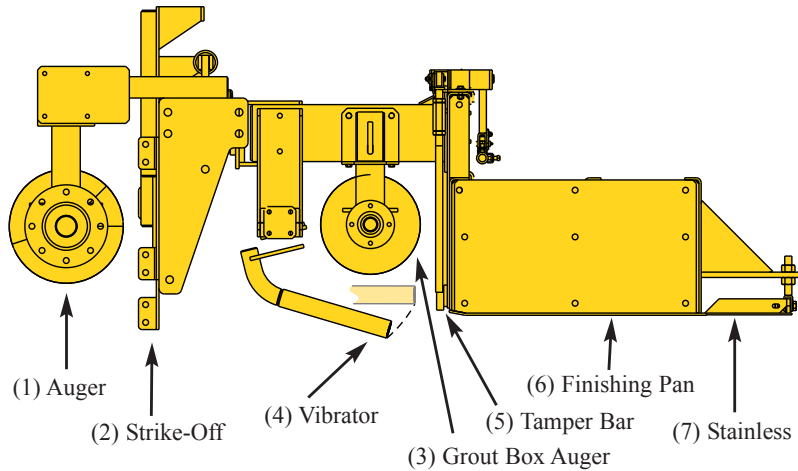
# FOUR-TRACK

Four-Track Illustrations shown with 24 ft. (7.3 m) wide 5000 Series Open-Front Mold with a 10 in. (254 mm) Slab



# ULTIMATE PAVING SYSTEMS

GOMACO OFFERS BOTH THE AUGER/STRIKE-OFF MOLD .... AND THE EXCLUSIVE OPEN-FRONT MOLD



- (1) The front **split auger** serves to spread the concrete to a predetermined width. The right-hand and left-hand drive sections are independently controlled with variable speeds.
- (2) The **strike-off** is split for full, independent control. Both strike-off plates can be vertically controlled on the right and left sides, to meter material into the mold.
- (3) The GOMACO **grout box auger** is for control of material through transitions or superelevations.
- (4) **Vibration** is provided to the throat area of the mold for consolidation of concrete. The vibrators, with an automatic on/off control, activated with machine movement, are hydraulically powered with variable speeds up to 10,500 vpm. The vibrator positioning is hydraulically controlled for ease in start-up and finish.
- (5) The GOMACO **tamper bar system** tamps down the aggregate even with the surface of the pan. The tamper bar is hydraulically powered with an automatic on/off control, activated with machine movement.
- (6) The **finishing pan** serves to level the concrete. The 3100 series mold and stainless from front to back is 48 in. (1219 mm). The 5000 series mold and stainless is 60 in. (1524 mm) from front to back.
- (7) Adjustable **stainless steel** is exclusive to the GOMACO system. This seals the surface and provides the troweled GOMACO finish out of the mold.

## Molds Available for the GHP-2800

- 3100 series open-front mold with a 14 in. (356 mm) auger with maximum speed of 77.9 rpm @ 28 gpm (106 Lpm) flow.
- 3100 series auger/strike-off mold with a 16 in. (406 mm) front auger with maximum speed of 79.3 rpm @ 24 gpm (90.9 Lpm) flow and a 14 in. (356 mm) grout box auger with maximum speed of 13 rpm @ 4.5 gpm (17.03 Lpm) flow.
- 5000 series open-front mold with a 16 in. (406 mm) auger and maximum speed of 55.8 rpm @ 24 gpm (90.9 Lpm) flow.
- 5000 series auger/strike-off mold with a 20 in. (508 mm) front auger and maximum speed of 60.5 rpm @ 24 gpm (90.9 Lpm) flow and a 16 in. (356 mm) grout box auger with maximum speed of 6.5 rpm @ 4.5 gpm (17.03 Lpm) flow.

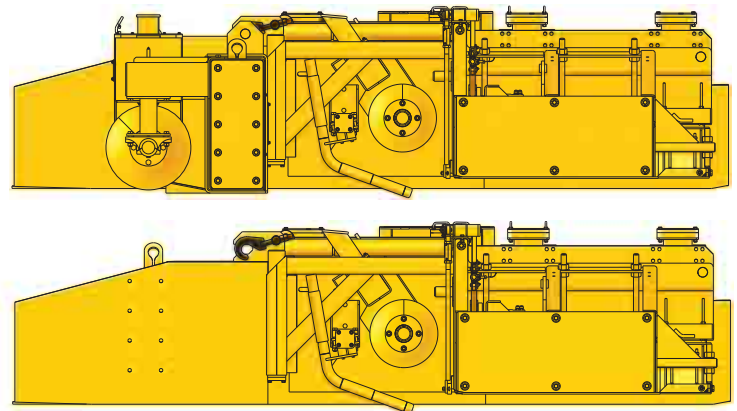
## Detachable Auger/Strike-Off For Width Changes And Shipping

A paving mold with a detachable telescoping auger/strike-off gives contractors the benefit of a mold that can be either an open front or an auger/strike-off. The optional detachable telescoping auger/strike-off can then be broken down easily with removable and telescoping sections.

The auger/strike-off moves independently with hydraulically-adjustable mounts on the front of the mold. A self-supporting transition adjuster (TA) is standard to allow for crowning in the pavement.

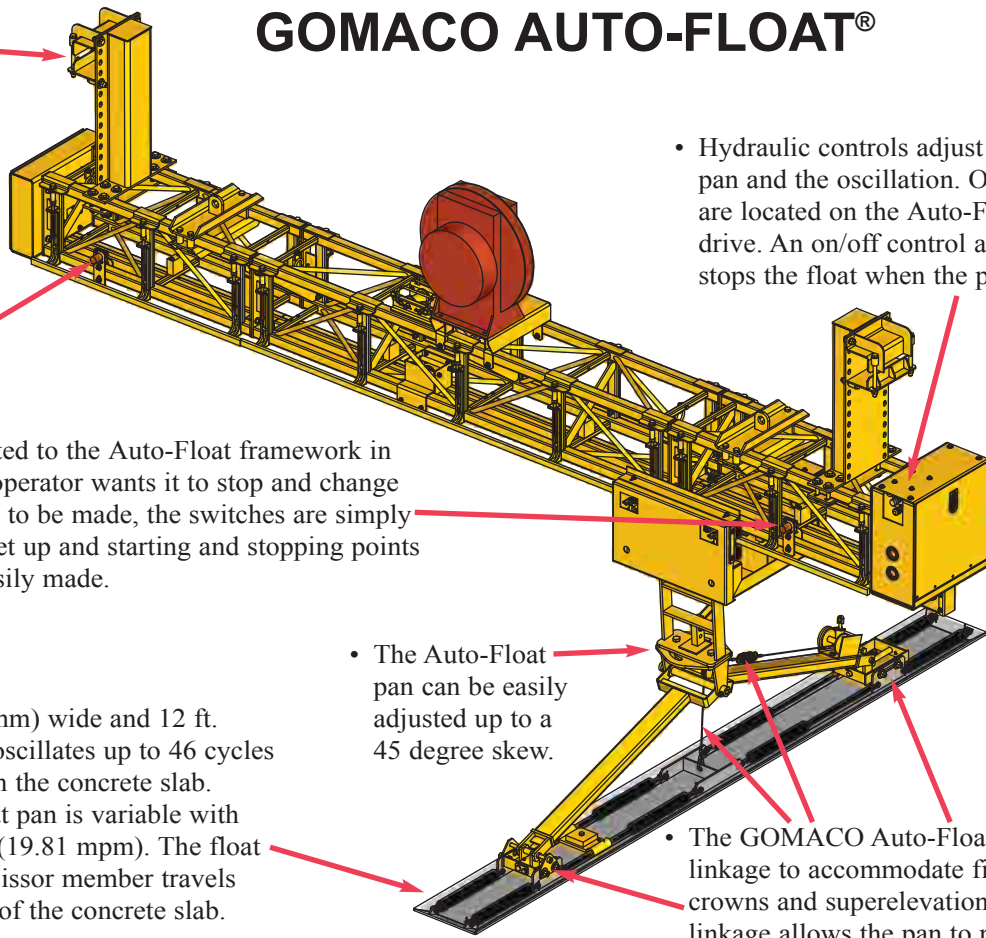
Both the strike-off and auger have 6 ft. (1.83 m) of telescoping capabilities to aid in changing paving widths. When paving widths need to be changed, the contractor only has to add or remove a section of the paving mold and then telescope the auger and strike-off in or out, depending on the needed width. The telescoping auger incorporates bolt-on flighting to accommodate the changing widths.

Along with giving the contractor some extra versatility on their pavers, the detachable telescoping auger/strike-off provides ease in transportation. The auger/strike-off can be detached from the front of the mold and the wings on the sideplates can be folded in to allow the paver, with the mold still mounted underneath it, to be transported under 12 ft. (3.66 m) wide on one truck. This design is based on a 5000 series open-front mold, allowing such molds to be retrofitted in the field.



# GOMACO AUTO-FLOAT®

- The Auto-Float is an easy bolt-on attachment for all GOMACO slipform pavers, designed to seal the concrete surface during the paving operation.



- Proximity switches are mounted to the Auto-Float framework in the exact location where the operator wants it to stop and change direction. If adjustments need to be made, the switches are simply moved to the new location. Set up and starting and stopping points to change direction can be easily made.

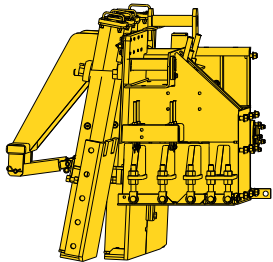
- Hydraulic controls adjust the speed of the pan and the oscillation. On/off controls are located on the Auto-Float end panel drive. An on/off control automatically stops the float when the paver stops.

- The float pan is 8.5 in. (216 mm) wide and 12 ft. (3.66 m) long. The float pan oscillates up to 46 cycles per minute longitudinally with the concrete slab. The carriage speed of the float pan is variable with a maximum speed of 65 fpm (19.81 mpm). The float pan seals the surface as the scissor member travels transversely across the width of the concrete slab.

- The Auto-Float pan can be easily adjusted up to a 45 degree skew.

- The GOMACO Auto-Float features hinged linkage to accommodate finishing through crowns and superelevations. The hinged linkage allows the pan to pivot along its longitudinal axis. The spring-adjustable float pan is attached to a scissor member that operates independently of the main frame of the attachment.

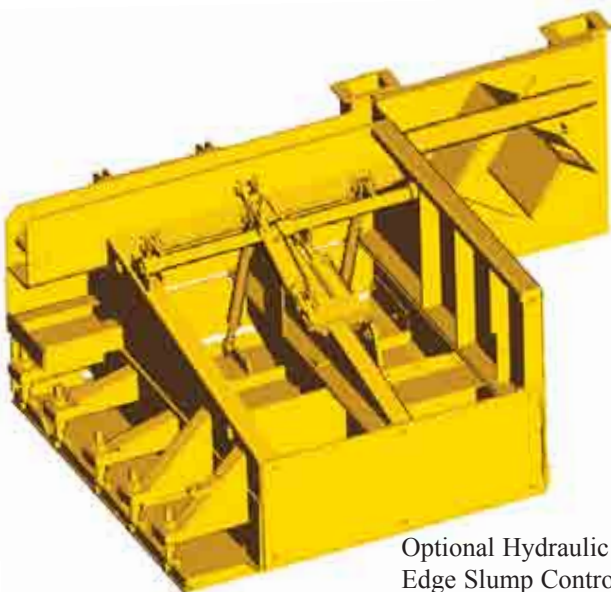
- A water spray system is available as an option for the float pan with sectional spray pipe and fog nozzles on 12 in. (305 mm) centers.



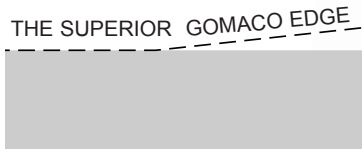
## Vertical Hinged Sideplates

GOMACO's Vertical Hinged Sideplates have hydraulic control for ease in start-up from an existing slab. The 4 in. (102 mm) cylinder stroke allows the split sideplates to open and close. This provides less labor and a smoother transition to the new slab. The Vertical Hinged Sideplates can be raised or lowered to negotiate headers and other obstacles. The Vertical Hinged Sideplates are for four-track pavers only.

## Hydraulic or Manual Edge Slump Control From GOMACO

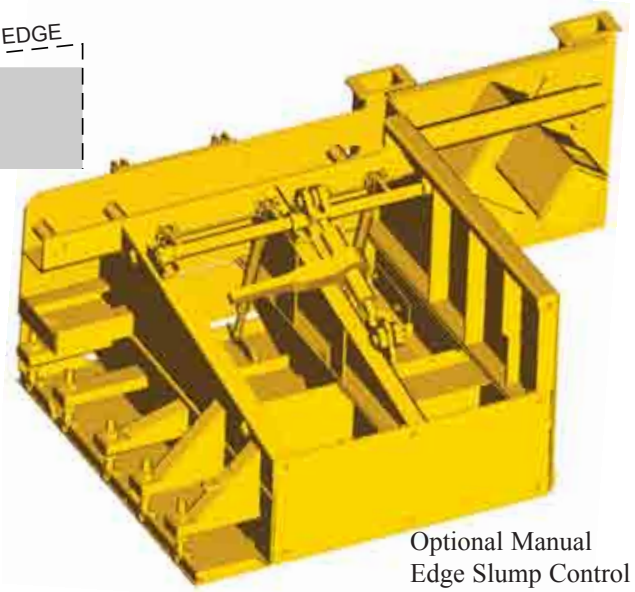


Optional Hydraulic Edge Slump Control



GOMACO offers edge slump control to accommodate slump and mix design.

These additional slump controls are also available for easy on-the-go adjustments.



Optional Manual Edge Slump Control

# VERSATILITY

## BAR INSERTION SYSTEMS DESIGNED TO FIT YOUR PROJECT SPECIFICATIONS

GOMACO offers several bar insertion systems that are designed to accommodate your project specifications. Hydraulic cylinder, air-powered and manual insertion are the three types of bar insertion. Bar inserters include the frame-mounted, sidemounted, and trailing form. GOMACO's bar inserters provide easy and accurate bar placement to job specifications.



HW-098606-11

### Frame-Mounted Bar Inserter

The frame-mounted bar inserter accurately places the transverse bar for the longitudinal joint by placing the bars behind the vibrators. The bar spacing is determined by a timing wheel mounted to the crawler track.



29E-92-8-B1

Female keyway with hydraulic side bar insertion and vibration to the bar.



HW-069206-2A-3

The hydraulic system includes vibration to the bar, and is designed for large bars. Vibration is applied to the bar during insertion, which provides consolidation of concrete around the bars. This system requires one vibrator circuit. The minimum slab depth required is 12 in. (305 mm) and the maximum bar length is 30 in. (762 mm).



HW-095408-16A-17

Trailing Form With Air-Powered Bar Insertion

The trailing form with air-powered or manual bar insertion is designed to trail the track on two-track pavers. This system will accommodate most types of bars.



HW-095909-20A

Trailing Form With Manual Bar Insertion



HW-110411-D8

Sideplate Extension With Air-Powered Bar Insertion. GOMACO's air-powered bar insertion will accommodate most types of bars.



CG-098509-1A

Male Keyway With Side Bar Inserter



# GOMACO'S COMPUTERIZED TRANSITION ADJUSTER

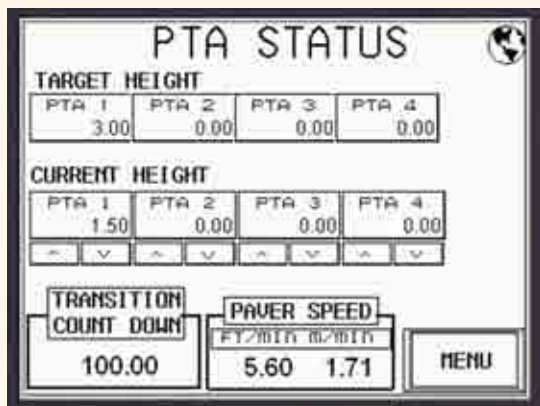
GOMACO offers a patented computerized transition adjuster.

The optional specialized computer control allows for smooth transitions from a crown to a flat cross slope in a superelevation, or vice versa.

The computer controls and synchronizes the power transition adjuster (PTA) on the paver to make the necessary adjustments as specific stations are reached in the transition.

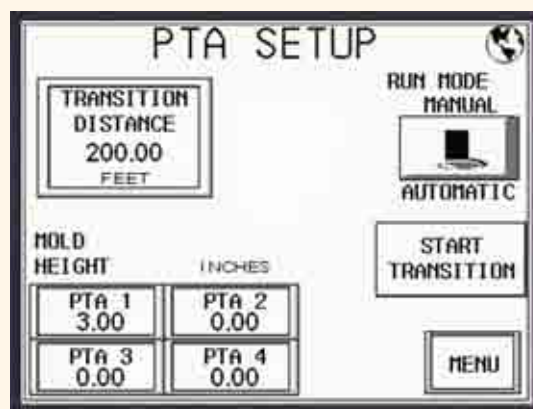


The illustration above shows a stretch of roadway with a 3 in. (76 mm) crown to a zero (0) crown into a superelevation and out from zero (0) crown to a 3 in. (76 mm) crown. The operator has entered in a minimum crown of zero (0) and a maximum crown of 3 in. (76 mm). The encoder wheel assemblies positioned on two of the tracks measures the distance of the two track lines inside and outside of the slab. The transition computer automatically averages these two distances and calculates the total change from minimum to maximum crown over the total distance entered for the transition.

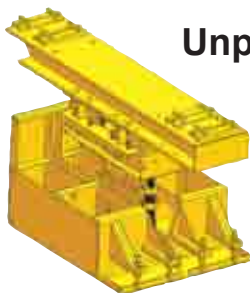


GOMACO's computerized transition adjuster is user-friendly and easy to understand. The PTA Status display allows the paver to monitor the transition count down, the target height of each PTA, current height of each PTA and paver travel speed per minute.

The transition count down displays the distance left in the current transition. The target height display shows the desired height of each PTA. The current height of each PTA is also shown along with a corresponding up and down arrow which is illuminated when the controller applies drive to each individual PTA.



The PTA Setup display is easy to use as you simply enter the transition distance and the crown height that is required on the project. To start a transition, place the run mode to automatic and when the rear edge of the mold is in line with the starting point of the transition, press the "Start Transition" button. The "In Transition" button will then illuminate and display to the operator that the system is now in transition.



## Unparalleled Accuracy with the GOMACO Power Transition Adjuster (PTA)

GOMACO's hydraulically powered transition adjuster (PTA) provides on-the-go transitions in the crown of the concrete slab. A switch in the operator's console controls the PTA in a positive or negative (up or down) motion. This eliminates the crown in the paving mold/slab or brings the crown back into the

mold/slab. These transitions are necessary in paving through superelevations and intersections.

This simple solution provides an easy method for an operator to perform a smooth transition where necessary and accomplish the required slab profile as specified.

## Wide Variety of New Stringline, Clamps, Rods and Sensor Line Accessories Available

GOMACO has a wide variety of new stringline, clamps, rods, and sensor line accessories.

GOMACO sensor line is designed specifically for electronically-controlled equipment. Sensor line and sensors provide the grade and steering information linked to the GOMACO operating system, located on the operator panel. The GOMACO

electronic-over-hydraulic sensor system provides intelligent control of grade and steering for paving accuracy, and ease of operation.

Stringline stakes are made of high carbon steel, designed for long life. Stakes are available in various lengths, ranging from 18 in. (457 mm) to 60 in. (1524 mm). The stringline stakes range in diameter from

.75 in. (19 mm) to .875 in. (22 mm).

One-piece and quick-set spring-action zinc plated clamps are available.

The stringline zinc-plated, slotted rods are 18 in. (457 mm) in length and will accommodate a .125 in. (3 mm) diameter stringline.

GOMACO has many other sensor line accessories to choose from.

# GHP-2800 Two-Track & Four-Track Slipform Paver Specifications

## ENGINE

**Type:** Tier III Caterpillar® C9, 8.8 liter diesel engine.

**Power:** 325 hp (242.5 kW) @ 2200 rpm.

## SERVICE CAPACITIES

**Fuel reservoir:** 125 gal. (473.2 L).

Estimated 14 hours of paving.

**Hydraulic oil reservoir:** 168 gal. (635.9 L).

## AUTOMATED CONTROL SYSTEM

**Type:** Electronic-over-hydraulic.

**Controls:** GOMACO's exclusive operating system features self-diagnostics for front and rear grade, cross slope, steering, and reverse steering for ease of operation. The GOMACO control system features dual grade controls for sensing stringline on both sides of machine simultaneously. Automatic on/off controls for vibrators and tamper bars are activated with machine movement.

## TELESCOPING FRAME

**Telescoping:** Modular frame telescopes up to 6.5 ft. (1.98 m) on both sides of the machine for a total of 13 ft. (3.96 m) of telescoping capability.

## WATER SYSTEM

**Pressurized water system:** Two 150 gal. (567.8 L) tanks with hoses, nozzles and 14.5 cfm (.41 cmm) air compressor for pressurized spray system.

**Optional:** High-pressure water system, with trigger gun control and adjustable pressure unloader for up to 2000 psi.

## AUGER SYSTEM

**Type:** Electronic-over-hydraulic circuitry. Reversible, hydraulically powered split auger.

## TAMPER SYSTEM

**Type:** Electronic-over-hydraulic circuitry. Hydraulically powered split vertical tamping system.

**Tamper speed:** Adjustable up to 120 strokes per minute.

## HYDRAULIC SYSTEM

### Track Circuits

**Two-track:** One tandem closed-loop hydrostatic pump providing 15.5 gpm (58.7 Lpm) per stage for a total of 31 gpm (117.3 Lpm).

**Four-track:** One tandem closed-loop hydrostatic pump providing 22.5 gpm (85.2 Lpm) per stage for a total of 45 gpm (170.3 Lpm).

### Auger Circuit

**Pump:** One tandem closed-loop hydrostatic pump providing 30 gpm (113.6 Lpm) per stage for a total of 60 gpm (227.1 Lpm).

## Vibrator Circuits

**Standard:** Sixteen control circuits.

**Optional:** Eight control circuits.

**Standard:** Two open-loop, load-sensed hydraulic pumps providing 41 gpm (155.2 Lpm) each for a total of 82 gpm (310.4 Lpm).

**Optional:** One open-loop, load-sensed hydraulic pump providing 41 gpm (155.2 Lpm).

## Lift Circuit

**Main lift:** One open-loop, pressure-compensated pump providing 41 gpm (155.2 Lpm).

## Grout Box Auger/Tamper Circuit

**Pump:** One open-loop, load-sensed hydraulic pump providing 30 gpm (113.6 Lpm).

## Hydraulic Oil Cooling

**Stationary cooler:** One stationary cooler with hydraulic fan to cool vibrator, track and auger circuit oil.

## Filtration

**Type:** One 10 micron synthetic main filter, 25 psi bypass. Three 100 mesh, 3 psi bypass suction strainers and one 10 micron synthetic lift pressure filter, and four 16 micron synthetic charge pressure filters.

## SLIPFORM MOLD

One right-hand drive section, one left-hand drive section, and one center insert with power transition adjuster (PTA) section. Balance of inserts per customer specifications. Hydraulically pressure-compensated sideplates with variable depth adjustments. Additional insert sections for paving widths up to 32 ft. are available.

**International mold:** One 1-meter right-hand drive section, one 1-meter left-hand drive section, and one 1-meter power transition adjuster (PTA) section. Balance of metric inserts per customer specifications. Hydraulically pressure-compensated sideplates with adjustment up to 483 millimeters. Additional insert sections for paving widths up to 9.75 meters optional. Computer-controlled transition adjuster available for transitions.

## VIBRATORS

**Type:** Hydraulic motor-in-head powering an eccentric weight.

**Quantity:** 16 vibrators and 16 vibrator circuits.

**Optional:** 8 additional vibrators and 8 vibrator circuits.

## TWO-TRACK SYSTEM

**Type:** Two hydraulically powered, gear-driven crawler tracks.

**Overall track length:** Series 6 tracks, 12 ft. (3.66 m) includes track fender.

**Track pad width:** 15.75 in. (400 mm).

**Gearbox reduction:** 202:1 gear reduction with two-speed hydraulic motors.

**Track speed:** Variable up to 122 fpm (37.19 mpm).

**Ground pressure:** 19 psi, based on 70,000 lb. (31,752 kg) with weight evenly distributed.

**Leg height adjustment:** 36 in. (914 mm) hydraulic adjustment.

**Optional track length:** Series 6 tracks, 14 ft. (4.27 m) includes track fender.

## FOUR-TRACK SYSTEM

**Type:** Four hydraulically powered, gear-driven crawler tracks.

**Overall track length:** Series 2 tracks, 8 ft. 1 in. (2.5 m) includes track fender.

**Track pad width:** 15.75 in. (400 mm).

**Gearbox reduction:** 202:1 gear reduction with two-speed hydraulic motors.

**Track speed:** Variable up to 73 fpm (22.3 mpm).

**Ground pressure:** 19 psi, based on 82,000 lb. (37,195 kg) with weight evenly distributed.

**Leg height adjustment:** 36 in. (914 mm) hydraulic adjustment and manual adjustment up to 18 in. (457 mm) for a total height adjustment of 54 in. (1372 mm).

**Leg positioning:** Each leg has manual leg-mount pivoting arms which allow the leg to pivot up to 23 in. (584 mm) to the outside and up to 23 in. (584 mm) to the inside from the straight-ahead position.

**Leg pivot cylinder:** Provides hydraulic leg positioning

**Optional track length:** Series 6 tracks, 8 ft. 7.8 in. (2.6 m) includes track fender.

## DIMENSIONS

**Paving widths:** 12 ft. (3.66 m) to 25 ft. (7.62 m). Optional to 32 ft. (9.75 m) with additional vibrators and frame inserts.

**Dimensions show machine equipped with a 24 ft. (7.32 m) 5000 series open-front mold or a 24 ft. (7.32 m) 5000 series auger/strike-off mold and minimum transport dimensions are shown without mold:**

### Two-Track:

**Operational length:** 18 ft. 6.3 in. (5.6 m) with 5000 series open-front mold in forward position and 16 ft. 5.3 in. (5 m) with 5000 series auger/strike-off mold in rear position.

**Operational width:** 31 ft. 1.8 in. (9.5 m).

**Operational height:** 12 ft. (3.7 m) with a 10 in. (254 mm) slab.

**Minimum transport length:** 19 ft. 3 in. (5.9 m).

**Minimum transport width:** 12 ft. (3.7 m).

**Minimum transport height:** 10 ft. 2.75 in. (3.1 m).

### Four-Track:

**Operational length:** 27 ft. 6.5 in. (8.4 m).

**Operational width:** 30 ft. 10.3 in. (9.4 m).

**Operational height:** 12 ft. (3.7 m) with a 10 in. (254 mm) slab.

**Minimum transport length:** 36 ft. 6 in. (11.1 m).

**Minimum transport width:** 8 ft. 2 in. (2.5 m).

**Minimum transport height:** 10 ft. 3 in. (3.1 m).

## WEIGHTS

**Two-track transport weight:** 50,000 lbs. (22,680 kg) without mold.

**Two-track operational weight:** 72,000 lbs. (32,659 kg) equipped with 24 ft. (7.32 m) 5000 series open-front mold.

**Four-track transport weight:** 65,000 lbs. (29,484 kg) without mold.

**Four-track operational weight:** 87,000 lbs. (39,463 kg) equipped with 24 ft. (7.32 m) 5000 series open-front mold.

**Note:** Transport and operational weights are variable, depending on number of machine options.

## ATTACHMENTS/OPTIONS AVAILABLE

Auxiliary fuel tank, 60 gal. (227.1 L) capacity.

VHS, vertical hinged sideplates with hydraulic control and pressure-compensated.

Auto-Float® attachment.

Four-corner outrigger system, hydraulic powered.

Detachable telescoping auger/strike-off mold.

Additional vibrator circuits and controls.

High-pressure water system.

Sensor-controlled power transition adjuster (PTA).

Computer-controlled power transition adjuster (PTA).

Hydraulic edge slump control.

Frame extensions.

Grade averaging ski.

IDBI dowel bar inserter.

Sideplate extensions for bar insertion.

Manual bar inserter.

Air-powered bar inserter.

Hydraulic side bar inserter with vibration.

Frame-mounted bar inserters.

Keyway crimper and punch assembly.

Bolt-on male keyway attachments.

Spreader-plow.

3D package for stringless control.

Other options are available to customize machine to accommodate applications and customer needs.

# “The quietest paver in the world” provides optimum performance

GOMACO's GHP-2800 was built around the increased horsepower of the electronic Tier III Caterpillar® C9, 8.8 Liter diesel engine with 325 hp (242.5 kW).

The electronic Tier III compliant engine reduces emissions and meets the required industry emission control standards being mandated for off-road diesel equipment throughout the world. The engine provides cleaner combustion and is tuned to achieve optimum performance.

The GHP-2800 features a revolutionary cooling package module incorporating a centrifugal fan for noise reduction and added cooling capacity.

GOMACO's GHP-2800 features a sound insulation package, and combined with the cooling system, makes it the quietest paver in the world. The GHP-2800 will meet or beat all international noise standards.

The cooling system incorporates the charge-air cooler, the oil cooler, and the engine radiator in one cooling package. A centrifugal fan, one of the first in the industry used on mobile equipment, has specially built blades with an air-foil shape to maximize air movement with the least amount of noise. It is remotely driven by hydraulics and is no longer attached to the engine. The muffler and air cleaner are internal to the fiberglass shroud to reduce noise and increase operator visibility.



HW-040303-DB

Features on the electronic Tier III Caterpillar® C9, 8.8 Liter diesel engine:

- Electronic fuel injection
  - Increased horsepower with electronic fuel injection
  - Maximized fuel efficiency
  - Reduced emissions
  - Quieter and more reliable, fewer moving parts, requires no adjustments
  - Tuned to achieve optimum performance, electronically-controlled injector
  - More efficient, cleaner combustion, ability to control injection pressure independent of engine speed
- Electronic control modules
  - ISO J1939 CAN protocol
  - Engine monitoring
  - Capability of growing with available technology, datalinks/memory/computing power/inputs/outputs
- Electronic engine product support
  - Electronic service tools are available to the technician for service of the engine control system



SH-020602-D18

## Designed For Easy Transport

The GHP-2800 slipform paver is designed for easy transport. The two-track paver has a minimum transport width of 12 ft. (3.66 m) and a transport length of 19 ft. 3 in. (5.9 m). The four-track has a minimum transport width of 8 ft. 2 in. (2.49 m) and a transport length of 36 ft. 6 in. (11.1 m).

The transport height for both the two-track and four-track machine with mold attached is 11 ft. 1.9 in. (3.4 m). The minimum transport height without the mold is 10 ft. 2.75 in. (3.1 m) for the two-track and 10 ft. 3 in. (3.1 m) for the four-track.



The Worldwide Leader in Concrete Paving Technology

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### European Headquarters

GOMACO International Ltd. is located in Witney, England.

Sales offices are located in Singapore, Bolivia, Australia, China and India. GOMACO has a worldwide distributor network for sales and service.

**You can always find us at**  
**<http://www.gomaco.com/ghp2800>**

Cover Photo: HW-040307-13A

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GOMACO Corporation reserves the right to make improvements in design, material, and/or changes in specifications at any time without notice and without incurring any obligation related to such changes. Performance data is based on averages and may vary from machine to machine.

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GOMACO Corporation's Quality Management System Is ISO 9001:2008 Certified By The American Systems Registrar.



Quality Policy: We Shall Meet Or Exceed Our Customers' Expectations.