

G+ Connect™

A Revolutionary Control Network for GOMACO Equipment



GOMACO®

The Worldwide Leader in Concrete Paving Technology



HW-071302 D12

GOMACO-Exclusive Software -- All of the software for the G+ control system has been designed in-house by GOMACO's own control specialists who understand concrete paving. This year, GOMACO proudly introduces G+ Connect which allows all the components of a GOMACO paver to be easily interfaced. Simply "connect" your 3D system, IDBI, tie bar inserter (TBI), power transition adjustors (PTA), GOMACO Smoothness Indicator (GSI®) and more, and then pave your project with ease and accuracy.



HW-081232 D15

Sharing Resources -- G+ Connect allows the ability to easily share machine resources. For example, pulse pick-up sensors on the tracks of the paver can log the distance the machine has traveled. This allows the odometer in the G+ controls to share accurate speed and distance measurements with any GOMACO bar insertion system, from TBIs to IDBIs, to manage bar placements. The odometer can give the operator an indication of yield per concrete truck, lineal production, and feet/meters of production per minute. And, with G+ Connect, it can be used to fire certain paver accessories.

A Sensor Library -- G+ features an entire library of sensor capabilities for controlling slope, grade and steer with set-up configurations for any project requirement. This includes paving with 3D stringless systems, laser control, sonic sensors, rotary sensors and slope sensors and all of their set-up requirements. Just connect to G+ Connect and the G+ controls automatically recognize them and communicates with them. Unique applications such as fill-in lanes, tunnel paving, half-width concrete overlays, and sonar steering off an existing barrier wall are examples of projects that can be accomplished through a variety of solutions from the Sensor Library.



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G+ Connect™

The new, proprietary CAN-based network on GOMACO products that allows fast, two-way communications between all accessories and the G+ controller.

Introducing G+ Connect -- GOMACO's exclusive G+ Connect is a closed-loop control system for both the electronics and hydraulics on GOMACO pavers. The closed-loop system between the paver's valves and various sensors means unparalleled accuracy. The sensed feedback ensures tighter, faster, and more accurate machine corrections. G+ Connect utilizes a CAN (controller area network) network allowing all of the components of the system to easily communicate with each other for precision set up and paving. At the heart of G+ Connect is the G+ control system, GOMACO's proprietary software and control system.

G+

Ease of Operation -- G+ is a control system that is both easy to learn and easy to operate. G+ expresses itself in easy to understand international icons and full script explanations. It operates in all the major languages of the world in either imperial or metric units. It has a lightning-fast processing speed and features two-way communications between paver accessories and G+. Its instant digital feedback combined with the tight closed-loop electronic and hydraulic control creates a G+ paving experience that is smooth, efficient, and accurate. There is nothing on the market that can compare, because G+ was designed by our in-house team from what we have learned from years of experience in the field and from what we have learned from you, our customer. G+ now features a detailed fault history with time stamp date and information to track when a fault occurred.

The new hardware includes simple but durable dials and push buttons for machine control. It features a flat-panel 6.5 inch (165 mm) anti-glare display screen with sensor-controlled back-light levels for superior visibility in all operating conditions. Its rugged, shock resistant construction protects it against dust, moisture and rain. The G+ control system has been programmed to operate in all the major languages of the world. The operator can easily toggle between English and another language on the G+ screen while paving or troubleshooting. A "run" screen on the control panel illustrates the various aspects of the paver. It includes leg positioning, paving speed and percentage of drive, steering, travel information, grade information, deviation meters, and more.



HW-081202 D3



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Small and Handy -- The new MiniMote available with the G+ controls provides on-the-spot assistance for fine adjustment of the GOMACO paver's set up. The small, handheld remote control is tethered to the machine and can be used to control steering, elevation and the travel of each of the paver's legs to assist in placing them into the transport or paving position. The MiniMote has the ability to jog or vertically adjust one leg at a time, the two legs on either the right or left side of the paver, or all four legs at one time (All Jog). All four legs, two legs, or each individual leg can be traveled in forward or reverse for exacting leg placement.



EG-071205 D4

Digital Slope Control -- GOMACO has introduced Digital Slope Control on our pavers. Long and cross slope can now be configured using high-resolution, dual-slope sensors. These high-resolution, dual-slope sensors are standard on our larger pavers.

GOMACO A.I.R. -- A new option for GOMACO pavers this year is the A.I.R., the new Aluminum Instrument Rail for quick attachment and mounting of multiple CAN-based sonar and rotary sensors from the Sensor Library.

Ground Control -- G+ Ground Control offers the unique ability of a viewing screen at ground level. The remote operator's screen features the same G+ graphical display as the operator's station. Ground personnel can see everything on the screen that the operator can see, and also have the ability to fine tune the machine, make settings adjustments, and monitor the operation from the ground.



HW-071305 D9

Unlimited Possibilities -- G+ Connect has revolutionized the concrete paving industry. It's a system of unlimited possibilities designed specifically for maximum paver performance and ultimate rideability.



HW-081228 D10

G+ on the GHP-2800 -- The first GOMACO GHP-2800 has been equipped with G+ controls and is at work on a project in Iowa.



HW-081224 D12

G+ and 3D -- G+ instantly recognizes 3D paving systems for easy interface of the system on GOMACO pavers.

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

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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.



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