





The Worldwide Leader in Concrete Paving Technology

"POWER OF CHOICE"

- RIGHT-SIDE OR LEFT-SIDE PAVING TO ACCOMMODATE YOUR PAVING NEEDS
 - WIRELESS REMOTE CONTROL WITH EXCLUSIVE G21 OR G22 CONTROLS
- DIRECT-DRIVE TRIMMER SAFETY FEATURES LARGE CAPACITY HOPPER
- HOOK-AND-GO MOLD SYSTEM DIRECT-DRIVE AUGER ALL-TRACK STEERING (ATS)
 - STRING OR STRINGLESS
 SELECTIVE STEER
 PUSH-BUTTON STEERING SETUP



Nothing Remotely Like It...

The GOMACO three-track GT-3400 curb and gutter machine.... there is nothing remotely like it.

It's remote controlled! The remote control is light weight and durable and gives the operator total freedom to move about the operation. The remote features all the necessary functions, including vibrator adjustment and an emergency stop. The wireless remote control was designed for ultimate safety and visibility. This little 6.75 lb. (3.1 kg) package has twenty-one toggle switches, three control dials, five indicator lights, four variable controls for the vibrators, and a large red emergency stop button. Built-in safety features stop the machine if the remote would lose communication or if the remote control turns on its horizontal axis more than

60 degrees. The wireless remote features "frequency hopping." The remote is constantly changing channels. Every 200 milliseconds it changes frequency to maintain contact with the machine. The remote can be tethered to the machine for areas that do not allow transmitting.

The GT-3400 can be right-side or left-side pour. You can pave with either stringline or go stringless. The G21 controls interface with stringless technology/3-D control systems. It features a revolutionary, high-powered trimmer, and changing molds is quick and easy with the new Hook-and-Go mold system. Its total length is less than 17 ft. (5.2 m) and the new three-track design features All-Track Steering. The GT-3400 is the beginning of a whole new class of curb and gutter machines.

The versatile GT-3400 is powered by a 136 hp (101.5 kW) electronic controlled Caterpillar® diesel engine with a remote

WITH THE GT-3400

- SIX FOOT WIDE PAVING
 FIFTY INCH HIGH BARRIER OR PARAPET WALL
- TWO-SPEED TRACK SYSTEM HIGH PRODUCTION CAT® DIESEL ENGINE POWER
- 24 INCH RADIUS CURB DESIGNED FOR TRANSPORTABILITY VISIBILITY
- SIDESHIFTING TRIMMERHEAD
 MULTI-APPLICATION VERSATILITY
 MORE TORQUE
- VERTICAL ADJUSTING TRIMMERHEAD
 PISTON STYLE LEGS
 JOB-SITE MOBILITY

mounted cooling package. The engine, coupled with state-of-the-art hydraulic circuitry, results in the most fuel efficient horsepower to work-performed ratio in the industry. The cooling package fan is driven by a hydraulic motor which allows the G21 controller to vary the fan speed to match the cooling demand. This results in less engine horsepower dedicated to the fan and a quieter operation.

The GT-3400 features the simultaneous trim/pour concept. The GT-3400 trimmer is the most powerful trimmer on the market today. GOMACO's direct-drive trimmerhead is driven with a radial piston hydraulic motor. The trimmer's closed-loop hydraulic circuit and radial piston motor provide 28,684 inch-pounds (3241 N-m) of torque at the trimmerhead. The 24 in. (610 mm) diameter trimmer is equipped with Kennametal teeth, and the trimmer's width can be varied from 30 in. (762 mm) to 78 in. (1981 mm). The direct-drive auger system provides more torque and the hopper is designed for extra concrete capacity. These features provide high-production paving.

More GT-3400 features include the new piston style legs and the two-speed motor that provides a fast tracking speed of 125 fpm (38 mpm) for job-site mobility.

The GOMACO three-track GT-3400 is a multi-application machine, including curb and gutter, tight radii, safety barrier, bridge parapet, sidewalk, monolithic sidewalk and curb and gutter, recreational path and flat slabs up to 6 ft. (1.83 m) wide.



WIRELESS REMOTE PROVIDES

Wireless Remote Shown At Its Actual Size Of 11 in. (279 mm) Wide, 7 in. (178 mm) Height, 4.5 in. (114 mm) Depth, And Weighs 6.75 lb. (3.1 kg)



SAFETY AND FREEDOM









Battery charger and spare battery

Battery access to remote

GOMACO's wireless remote is powered by a 9.6 volt NiCad, off-the-shelf, Makita® battery, which makes it easy to replace. The machine ships with two batteries and a DC charger that is in the console for charging second battery. A fully charged battery will last for approximately twelve hours. The remote fits under the console with both G21 and optional G22 controller for secure storage.



The remote can be tethered to the machine for job-site areas that do not allow transmitting. The remote bypass cable is located inside the console.

THE GT-3400 IS THE PERFECT MACHINE

Many parking lot designs for curb and gutter have sharp angles, short runs, tight radii, and do not always take slipforming into consideration. The GOMACO GT-3400 makes these kinds of jobs possible. Its compact size from front to back, allows the machine to get into the small areas where one island ends and another begins. And with its extra-large capacity hopper, it's easier to complete a tight radii, with minimal hand work. The photos on these two pages are from projects that illustrate job conditions with a multiple number of curb and gutter islands, short runs, tight radii, and minimum room for maneuvering the paving machine.

Tight radii are not a problem with the GT-3400. A two-foot (610 mm) radius ribbon curb is accomplished with the unique machine design, operator visibility, G21 Control System and wireless remote, hopper, mold positioning, multiple sensoring and three-track versatility. The GT-3400 utilizes three steer sensors to eliminate guesswork. One sensor is located at the tip of the front track (sensor 1); one is located at the front of the stainless (sensor 2); and one is located at the back of the stainless (sensor 3). Sensor 1 and 2 control the front tracks and Sensor 3 controls the rear track for both forward and reverse steer. As the GT-3400 enters the radius, the operator switches from Sensor 1 to Sensor 2 with a toggle switch on the remote. The combination of the hopper and the charging auger enable the GT-3400 to continuously travel through a tight radius without waiting for concrete delivery. Also important for a tight radius are travel speed, mix design and concrete slump.













TO HANDLE JOB-SITE CONDITIONS











The Digital Power of GOMACO's Exclusive G21 Operating System

Award-Winning Proprietary Software and Control System

- G21 is GOMACO's award-winning, proprietary software and control system... GOMACO was recognized for its commitment of resources to the development of this revolutionary software and operating system that combines intelligence with simplicity for GOMACO construction equipment. It is one of the few operating systems receiving a Top 100 Award from *Construction Equipment* magazine and a Top Innovations Award from *Equipment World* magazine. The G21 operating system is exclusive to GOMACO.
- GOMACO's exclusive G21 digital operating system is simple to read and easy to understand... Easy operation is provided with variable control dials and various function switches.
- Simplified steering controls... The exclusive G21 provides push-button steering setup and trainable track steering when interfaced with GOMACO "smart" cylinders. 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. GOMACO's exclusive G21 controller 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. The operator has the option of overriding this setting.
- Auto-transition and slope compensation... The optional transition
 software system allows the operator to automatically transition in and
 out of "catch" or "spill" gutter. It automatically compensates for mold
 position in relationship to the stringline as a result of slope changes.
- Less downtime and quicker uptime on service... Advanced system diagnostics of the G21 automatically pinpoint and identify electrical circuit opens, shorts and fault codes to aid in troubleshooting. The G21 helps eliminate costly service time in searching for system problems.
- Quickly alerts the operator... A two-line, 24-character backlit liquid crystal display (LCD) allows the operator to view and monitor numerous active diagnostic codes. Linked to the electronic control system and its sensors, the LCD displays active trouble messages to quickly alert the machine operator of malfunctions.
- More room for future expansion... The G21 has more room for future expansion than any CAN controller on the market for machine control. Compatible with industry standard J1939 CAN network. Has ample program memory for the many features available in today's market plus expansion capabilities for the future. Interfaces with stringless technology/3-D control systems. True network architecture enhance expandability to communicate with external computer systems. Laptop computer systems can be connected for software updates, data monitoring and future data logging capabilities.



The exclusive G21 electronic-over-hydraulic control system



The auger, featuring a 16 in. (406 mm) hydraulic slide adjustment, is lowered to receive the concrete.



The GT-3400 features a new three-track footprint with two close tracks on one side and a single track on the other side. With all-track steering, this footprint provides tight turning radius capabilities and easy alignment for getting on line.

Right-Side or Left-Side Pour and G22 Controller Available for the Versatile GT-3400



These two GT-3400s, one ordered as a right-side pour (left photo) and one a left-side pour (photo below), went to work in France and were high-production slipforming with stand-up curb and channel curb and gutter. Both of these GT-3400s were equipped with the new optional G22 controller. The G22 has a feature that provides the operators with machine controls displayed in their French language.

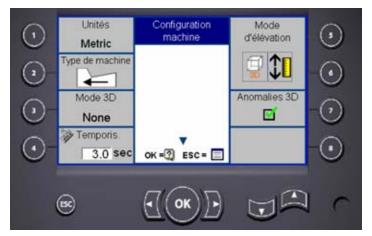


GOMACO's New Optional G22 Operating System

G22 is GOMACO's proprietary software and control system... The GOMACO G22 is a revolutionary software and operating system that combines intelligence with simplicity for



The dual language option feature allows the operational screens to be in French/English or any other major language in the world.



GOMACO construction equipment. The new graphical display provides the operator with an easy to understand interface to the machine controls. The G22 operating system is exclusive to GOMACO products.

Training time on the machine is reduced dramatically... The user-friendly screen

and controls are simple, to allow operators to learn in a very short time.

A simplified approach with screen icons reduces the operator's learning curve to a minimum.

The G22 features a 6.5 in. (165 mm) anti-glare display screen with sensor-controlled backlight levels and the new TFT flat panel technology... It provides superior visibility under all operating conditions. Its rugged, shock resistant construction protects it against dust, moisture and rain. The high-brightness, color graphics, and 14 function buttons provide the ultimate user-friendly operator experience.

A dual language feature... is available on the G22. It features the ability to operate in English or a second language. It also offers the choice of metric or imperial measurements. Our control systems team is developing the G22 screens for the major languages of the world. Newly designed icons and color graphics make it easy to understand and easy to identify the targeted function.

GOMACO's Quick and Easy Hook-and-Go

Changing molds on the GT-3400 is quick and easy with GOMACO's new heavy-duty Hook-and-Go mold-mounting system. It does not have pins or latches. Simply drive the GT-3400 up to the mold and hook the mount to a special attachment plate. Lower the hold-down and lift the mold and you are ready to start paving again.







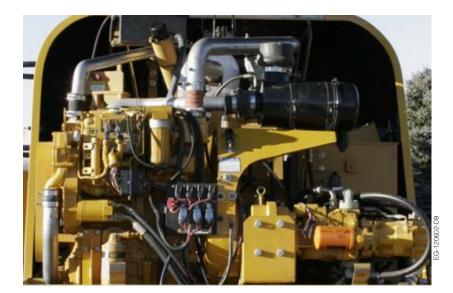
High-Production Hopper

The extra-large capacity hopper is designed to allow continuous slipforming through a tight radius.



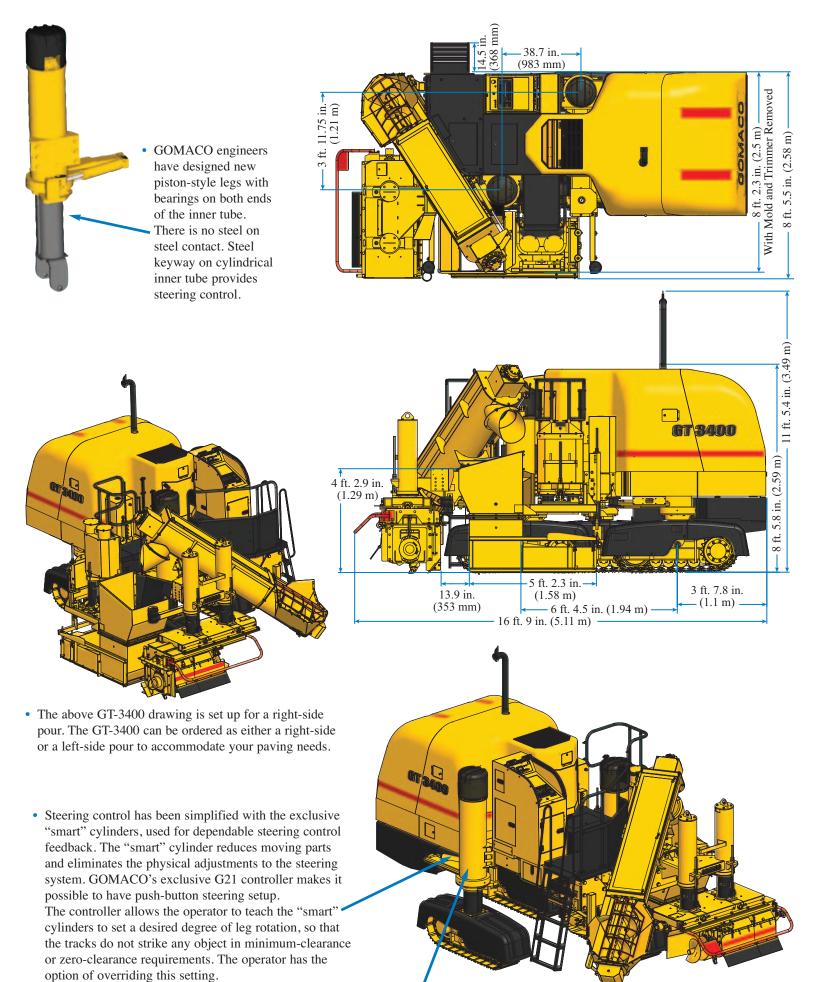
Direct-Drive Trimmerhead

The trimmerhead is directly driven with a radial piston hydraulic motor in a closed loop hydraulic system, making this trimmer the most powerful trimmer on the market today. The motor provides an increase in torque for more power and a faster tooth-tip rotational speed which moves the trimmed material out of the trimmerhead at a higher rate.



Powered by a Caterpillar® Engine

The GT-3400 is equipped with a 136 hp (101.5 kW) electronic controlled Caterpillar® diesel engine, providing plenty of power for high-production slipforming.



• Each leg has 24 in. (610 mm) hydraulic height adjustment. The telescoping center leg is hydraulically controlled, allowing up to 30 in. (762 mm) lateral movement.

GT-3400 TRIMMER/SLIPFORM PAVER

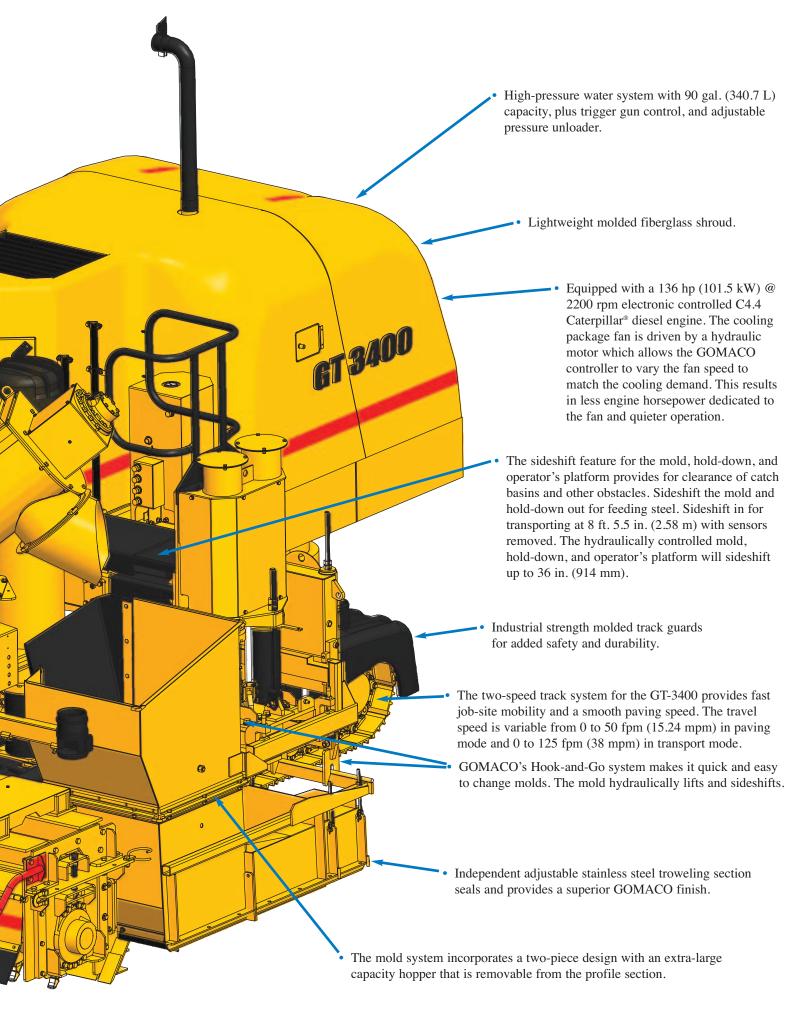
 Operator's platform located on the front of the machine provides easy access and operator visibility.

- Six emergency stop buttons are located at strategic areas around the machine. The E-Stops are located on the remote, operator's console and on corners of the machine or can be positioned at various points on the machine providing optimal use for specific applications.
- Guard rails around the operator's platform provide safety.
- The exclusive G21 or optional G22 electronic-over-hydraulic control system.

 Direct-drive auger has a radial piston hydraulic motor which provides

ample torque and speed to move the concrete quickly to the hopper.

- The GT-3400 auger system features a 16 in. (406 mm) hydraulic slide adjustment to lower auger for receiving concrete from the ready-mix truck. Allows truck positioning to front or side of machine. The auger slides inside of shipping width for transport.
- The trimmer features a new heavy duty, hydraulic dual mounting system for sideshifting and vertical movement.
- Direct-drive trimmerhead is driven with a radial piston hydraulic motor. The trimmer's closed-loop hydraulic circuit and radial piston motor provide 28,684 inch-pounds (3241 N-m) of torque at the trimmerhead. The trimmerhead has 36 in. (914 mm) hydraulic sideshift and 18 in. (457 mm) hydraulic vertical adjustment.



GT-3400 TRIMMER/SLIPFORM PAVER SPECIFICATIONS

PAVING CONFIGURATION

Right-side or left-side to accommodate your paving needs.

ENGINE

Type: C4.4 Caterpillar[®] diesel engine (emission controlled).

Power: 136 hp (101.5 kW) @ 2200 rpm.

SERVICE CAPACITIES

Fuel reservoir: 60 gal. (227.1 L), locking cap. **Hydraulic oil reservoir:** 100 gal. (378.5 L).

AUTOMATIC CONTROL SYSTEM

Type: Electronic-over-hydraulic.

Controls: GOMACO's proprietary G21 Control System features self-diagnostics for grade, steering, cross-slope, reverse steer and selective steer controls for ease of operation.

Reverse auto control: Single switch sets controls for automated control with machine traveling in reverse.

Remote control: Powered by a 9.6 volt NiCad, off-the-shelf, Makita® battery, which makes it easy to replace. The machine ships with two batteries and a DC charger that is in the console for charging second battery. A fully charged battery will last for approximately twelve hours. The remote fits under the console with both G21 and optional G22 controller for secure storage.

HYDRAULIC SYSTEM

Pumps: One closed-loop axial piston pump; two open-loop axial piston load sensed pumps; one open-loop axial piston pressure comp pump; and one open-loop gear pump.

Hydraulic oil cooling: Oil cooler is combined with the charge air cooler and the radiator in a side-by-side remote mounted package.

Maximum flow through cooler: 65 gpm (246.1 Lpm). Filtration: One in-tank filter, 10 micron absolute synthetic 25 psi by-pass; One pressure filter for servos, 10 micron absolute synthetic non by-pass; Two 100 mesh suction strainer 3 psi by-pass.

VIBRATORS

Type: Hydraulically powered, motor-in-head, variable speed, independently controlled, and synchronized with machine movement.

Quantity: Four hydraulic circuits and two hydraulic vibrators with mounts are standard.

SLIPFORM MOLD

Curb and gutter mold: One mold is provided with the machine. Optional molds available for curb and gutter, barrier, parapet and sidewalk.

HOOK-AND-GO MOLD MOUNT SYSTEM

Hydraulic lift: 18 in. (457 mm) hydraulic vertical adjustment with the capability to adjust up to 24 in. (610 mm) with 6 in. (152 mm) manual vertical adjustment.

Sideshift: 36 in. (914 mm) hydraulic sideshift standard.

SUBGRADE TRIMMER (Sectionalized)

Direct-drive trimmerhead: The trimmer's closed-loop hydraulic circuit and radial piston motor provide

28,684 inch-pounds (3241 N-m) of torque at the trimmerhead. **Trimmer wheel:** 24 in. (610 mm) diameter trimming wheel.

Trimmer wheel rotation: Upward cut.

Width: 30 in. (762 mm) to 78 in. (1981 mm) sectionalized trimmerhead with hydraulic sideshift capability. Right-side discharge standard.

Sideshift distance: 36 in. (914 mm) hydraulic sideshift standard.

Hydraulic lift trimmer: 18 in. (457 mm) hydraulic vertical adjustment.

AUGER

Charging auger: Auger is directly driven with a radial piston hydraulic motor which provides an increase in torque and speed.

Length: 8 ft. 10 in. (2.7 m).

Auger diameter: 14 in. (356 mm) diameter full pitch auger

with abrasion-resistant flighting. **Auger speed:** Variable up to 110 rpm.

Auger mount: Features a 16 in. (406 mm) hydraulic slide adjustment for receiving concrete from the ready-mix truck and the auger slides inside of shipping width for transport.

WATER SYSTEM

Type: High-pressure water system with two water tanks. One tank is located under the fiberglass shroud at the rear of the machine and the second is under the center of the machine. **Capacity:** Total capacity of the two tanks is 90 gal. (340.7 L),

plus trigger gun control, and adjustable pressure unloader.

TRACK SYSTEM

Type: Three hydraulically powered, gear-driven crawler tracks.

Overall track length: 5 ft. 1.4 in. (1.56 m).

Center-to-center sprocket/idler length: 40 in. (1016 mm).

Track pad width: 11.8 in. (300 mm).

Gearbox reduction: 100:1.

Track speed: Variable from 0 to 50 fpm (15.24 mpm) in paving mode and 0 to 125 fpm (38 mpm) in transport mode.

Track tension: Fully automatic, hydraulically locks in on machine start-up, maintaining a steady tension of the track chain.

Leg height adjustment: Each track has 24 in. (610 mm) hydraulic adjustment.

Power-slide leg for positioning center track:

Hydraulically controlled, allows up to 30 in. (762 mm) lateral track movement.

DIMENSIONS (Shipping)

Overall length: 16 ft. 9 in. (5.11 m). Overall height: 8 ft. 5.8 in. (2.59 m). Overall width: 8 ft. 5.5 in. (2.58 m).

WEIGHT (Approximate)

27,500 lbs. (12,474 kg): Weight will vary depending on size of mold and options.

OPTIONS

G22 controller features dual language, metric or imperial measurements, color graphics and a 6.5 in. (165 mm) anti-glare display screen.

Barrier/parapet sidemount attachment. Maximum slipforming height of 50 in. (1270 mm).

Sidewalk slipforming up to 6 ft. (1.83 m) wide.

Hydraulic pressure-compensated sideplates.

Additional vibrators and mounts.

Two additional vibrator circuits and controls.

Trimmerhead insert sections of 12 in. (305 mm), 18 in. (457 mm), 24 in. (610 mm) and 30 in. (762 mm) widths are available for trimmerhead width to 78 in. (1981 mm) maximum.

Auto-transition and slope compensation software.

Curb and gutter molds will be built to customer specifications. Various mold options are available.

GT-3600 molds with hook-and-go will fit directly to the GT-3400. If you have a GT-3600 split mold you can purchase a hook-and-go hopper top to allow molds to fit the GT-3400. If you have a solid hopper you would need to modify your mold to have a hook-and-go mount.

Monolithic mold.

Driveway depressor for monolithic mold, hydraulically powered, factory installed on new mold only.

Polyurethane track pads (81 pads required).

Radius wheels for use on radius work, saving time on stringline set-up.

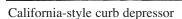
Other options are available to customize machine to accommodate applications and customer needs.

This feature allows the GT-3400 to eliminate wasted material while

Guillotine-Style and California-Style Curb Depressors Available for Driveways

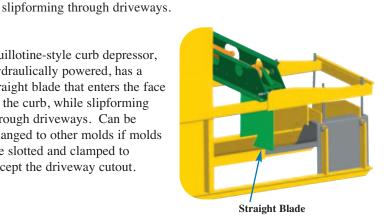
Another feature on the GT-3400 is the optional hydraulically powered driveway blockouts, available for curb and gutter molds.

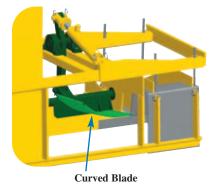
Guillotine-style curb depressor



Guillotine-style curb depressor, hydraulically powered, has a straight blade that enters the face of the curb, while slipforming through driveways. Can be changed to other molds if molds are slotted and clamped to accept the driveway cutout.

California-style curb depressor, hydraulically powered, has a curved blade that enters the face, for use on curb and gutter molds while slipforming through driveways.





DESIGNED FOR SAFETY

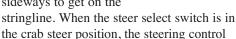
The GT-3400 machine is carefully designed to give years of dependable and safe service. Six emergency stop buttons are located on strategic areas of the machine. The E-Stops are located on the remote, operator's console and on corners of the machine or can be positioned at various points on the machine providing optimal use for specific applications. Other safety features include 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

Advantages of GOMACO's All-Track Steering (ATS)

The GT-3400 is equipped with All-Track

Steering (ATS). ATS allows Selective Steer control with the GOMACO G21 controller. A flip of the switch allows automatic stringline control of steering. plus two other choices for maneuvering the machine with the steering dial, Coordinated Steer and Crab Steer. With this feature, setting the machine to line is quick. Simply set your selective steer control to Crab Steer and walk the machine sideways to get on the



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, right up to the stringline. Then place the steering sensors on the line and walk the machine in reverse to the existing curb and gutter. With the GT-3400 in position to come off the header, the operator flips the switch to forward steer and takes off slipforming. ATS has the ability to steer all of the Crab Steering tracks and allows

accurate steering around tight radii instead of sliding on grade. With the capability to steer all of the tracks, the skid steer action

through a radius

is eliminated and you're able to produce a



All-Track Steering with the Coordinated Steer feature.

high-quality end product without continual manual adjustment of the machine sensors. The end product is a radius that is an accurate reflection of the stringline.

When the switch is in the Coordinated Steer position, the steering control dial turns the tracks to accomplish maximum job-site mobility. Turning the steering dial right or left from center position turns the lead track in the corresponding direction and the trailing track turns in the opposite direction.

The ability to steer all three tracks of a paver provides accurate steering control when pouring tight radius, barrier and parapet, sidewalk, or wider width paving.

GT-3400 is Easy to Transport and has Quick Job-Site Mobility

Stringline

Existing Curb

Reverse Steering

The GOMACO GT-3400 is quick and easy to transport with an overall shipping width of 8 ft. 5.5 in. (2.58 m), length of 16 ft. 9 in. (5.11 m), and height of 8 ft. 5.8 in. (2.59 m). Job-site mobility and quick loading is accomplished with the track speed in the transport mode of 125 fpm (38 mpm).



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 a long life. Stakes are available in various lengths, ranging from 18 in. (457 mm) to 60 in. (152 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.



The Worldwide Leader in Concrete Paving Technology

MANUFACTURED UNDER ONE OR MORE OF THE FOLLOWING U.S. OR FOREIGN PATENTS: 3,299,786; 3,450,011; 3,541,931; 3,779,661; 3,959,977; 4,073,592; 4,136,993; 4,226,917; 4,343,513; 4,360,293; D-266,850; 853,607; 861,819; 954,773; 406,787; 1,147,187; 133,220; D-512,249; 4,717,282; 4,457,645; C-1,110,893; C-1,191,044; 12,890-1-0010; 5,061,115; 7,509,187; 7,509,615; $5,102,267;\ 5,101,360;\ 4,954,019;\ 4,984,639;\ 5,190,397;\ 5,209,602;\ 0,518,535;\ 2,067,126;\ 494,257;$ 69,031,836.7-08; 2,069,516; 5,924,817; 2,833,084; 7,044,680; AND PATENTS PENDING.

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.

Printed in U.S.A. © 2007 (11 SP 7500) GOMACO Corporation Order #0400-0A10107

Worldwide Headquarters **GOMACO** Corporation PO Box 151

Ida Grove, IA USA 51445

Ph: 712-364-3347 Fax: 712.364.3986

International Fax: 712.364.4717 E-mail: info@gomaco.com

GOMACO International Offices GOMACO has a worldwide distributor network for sales and service. Check the GOMACO Web site at www.gomaco.com

Cover Photo: CG-110623-D22