Behind every GOMACO product is a common sense design philosophy called versatility. No other GOMACO product better typifies this philosophy than the GT-6300. GOMACO’s patented method of simultaneous trimming and slipforming is at the heart of this versatility.

The GT-6300 is recognized around the world as the elite multi-application slipform paver in the concrete construction industry. Whether the job calls for curb and gutter, barrier wall, bridge parapet, monolithic sidewalk curb and gutter, bicycle or golf paths, 20 ft. (6 m) wide paving or even irrigation canals, no other paving machine in history has been capable of tackling more types of projects and satisfying more customers.

The GT-6300 is the most job-proven slipform paver in the world with over 40 years of technology built into this machine. The list of applications continues to grow as contractors and GOMACO work in partnership on new innovations.

GOMACO has the highest standard of quality in the industry with skilled personnel producing state-of-the-art machines.

GOMACO has a global distributor network for sales, service and parts. The GT-6300 has a high resale value that provides durability, quality and return on your investment. The GOMACO GT-6300 is the slipform paver that brings a new dimension to paving.

Fast concrete loading increases production with the 24 in. (610 mm) wide, 16 ft. (4.88 m) long charging conveyor. The belt speed is variable up to 280 fpm (85.34 mpm).

A 16 ft. (4.88 m) long concrete supply auger is also available. The 14 in. (356 mm) diameter auger with new carbide auger shoes on the flighting provide durability and longer wear time. The newly designed trough fits tighter to the flighting for better concrete flow. The flighting spacing has been increased with a 15 in. (381 mm) pitch for better handling of the concrete. The auger speed is variable up to 90 rpm.

The GT-6300 three-track and four-track are designed to allow for quick and easy job-to-job mobility, keeping time between pours to a minimum.

User-Friendly GOMACO Controller

Standard on the GT-6300 is the unique GOMACO controller. This revolutionary system is designed to improve, enhance, create and expand the machine’s operating system. The user-friendly GOMACO controller has been proven to offer the operator push-button ease in setup, trouble-shooting, and monitoring during the entire paving operation. The electronic-over-hydraulic controller system features self-diagnostics for grade and steering and Selective Steer Controls for paving accuracy and ease of operation. The panel-mounted auto control gauges allow the operator to monitor control signals as the machine follows stringline. All display modules are backlit for enhanced readability in sunlight and under low lighting conditions.
If there’s one type of work the GOMACO GT-6300 is best known for, it’s curb and gutter. It is “THE” curb and gutter paver preferred by more contractors for many reasons.

The GT-6300 is mobile ... fast to set up ... easy to operate ... and slipforms beautiful curb and gutter right through 15 ft. (4.57 m) radii and 35 ft. (10.67 m) radius cul-de-sacs.

The three-track design works in the most rugged terrain while trimming and paving simultaneously. The GT-6300 provides high production with small crew efficiency.

Interchangeable molds can be built to meet varying job requirements. These features provide versatility, quality and high-production slipforming.

High-production slipform paving is accomplished as the GOMACO GT-6300 simultaneously trims and slipforms curb and gutter on this street project in Japan.

Available for curb and gutter molds on the GT-6300 is a hydraulic curb depressor which eliminates a specified amount of the curb while slipforming through driveways.

Another application for the GT-6300 is scab-on curb and gutter to an existing slab.

This contractor slipforms 1,000,000 ft. (304,800 m) of curb and gutter per year with the GOMACO GT-6300.

Trimmerhead Hydraulic Sideshifting and Vertical Adjustment

A hydraulic trimmerhead mount is available for the GT-6300. The optional trimmerhead mount has 36 in. (914 mm) of hydraulic sideshift to the right and 12 in. (305 mm) of hydraulic vertical adjustment. This enables the trimmerhead to be raised or shifted to clear obstacles.
The GT-6300 trims and slipforms monolithic sidewalk curb and gutter in a single pass operation.

Other applications for the GT-6300 include golf cart path and recreational trail.

Simultaneous fine grade trimming and slipforming a 10 ft. (3.05 m) wide sidewalk, 4 in. (102 mm) thick, is an application for the GT-6300. This contractor utilizes the versatility of the GT-6300 by switching from sidewalk to curb and gutter and also pre-trimming projects.

A driveway depressor for the monolithic mold depresses sidewalk and curb to increase concrete yield while slipforming on-the-go.

The GT-6300 does it all, monolithic sidewalk curb and gutter in a single pass, sidewalk, bicycle or golf cart paths. The simultaneous trim and slipform system cuts production costs and lets you take on more jobs. The trimmerhead is designed to match the profile to provide accurate grade, resulting in high yield. The three-track suspension allows the GT-6300 to pave within 2 in. (51 mm) of obstacles for minimum clearance requirements.

Monolithic Trimmerheads Designed for Accurate Grade

Monolithic sidewalk curb and gutter with simultaneous trimming and slipforming reduces production costs. The sectionalized monolithic trimmerhead is designed to match the profile to provide accurate grade, resulting in high concrete yield. If you’re slipforming rollover or vertical monolithic sidewalk curb and gutter, you will see a product you expect.

Sectionalized Trimmerhead

The GOMACO GT-6300 is equipped with the standard 42 in. (1,067 mm) wide sectionalized trimmerhead which includes one 24 in. (610 mm) drive section with hydraulic internal drive and 18 in. (457 mm) extension. Optional extensions are available for trimming up to 10 ft. (3.05 m) wide with right-hand or left-hand discharge available. The unique sectionalized trimmerhead features easy width adjustment. This means more production because the trimmer cuts only as wide as necessary and eliminates unnecessary backfill behind the pour.
Median Barrier and Bridge Safety Parapet

Slipforming median barrier and bridge parapet are standard applications for the GOMACO GT-6300. The GT-6300 hydraulically elevates to slipform barrier and parapet without modifications. The standard three-track or optional four-track system assures stability over grade variations.

The GT-6300’s side-mounted mold accommodates minimum clearance requirements.

Each track height is adjustable in 4 in. (102 mm) increments for 28 in. (711 mm) manual adjustment with 36 in. (914 mm) hydraulic adjustment.

GT-6300 molds are custom built to any state’s specifications and can be made to pave over caged reinforcing steel or longitudinal rebar.

The GT-6300 has the capability of slipforming with the machine running in either direction without major modifications. On this project in Germany, the GOMACO GT-6300 slipforms parapet while running in the reverse mode. The GT-6300 slipforms with the flow of traffic to eliminate traffic congestion.

The four-track GT-6300 slipforms a 44.25 in. (1124 mm) high variable barrier wall in Canada.

The GOMACO GT-6300 with a four-track barrier package slipforms this median barrier.

This GT-6300 slipforms a 5 ft. 3 in. (1.6 m) high barrier wall on an interstate ramp. The barrier included glare screen to prevent the glare of oncoming traffic. The barrier was slipformed atop a concrete footing, and reinforcing was provided by feeding four continuous lengths of steel into the front of the mold.

On this project, the GT-6300 was slipforming 32 in. (813 mm) high wall on two bridges. The parapet was being slipformed over steel and electrical conduit in the wall.
Irrigation Canals ... Drainage & More

The GT-6300’s versatility allows it to do a wide range of unique applications like irrigation ditch, drainage channel, feed bunk and more. These applications with the GT-6300 cut crew size dramatically over the old handforming methods. This means higher production and less cost to provide for profitability.

A contractor in Greece simultaneously trims and slipforms this concrete drainage channel with their GT-6300 in the median of a new four-lane highway.

The GOMACO GT-6300 trims and slipforms irrigation canals in various configurations all over the world.

A chain-type trimmer is used on this irrigation canal in Turkey. The GOMACO GT-6300 simultaneously trims and slipforms this canal in a single pass.

A unique application for the GT-6300 was slipforming this slit-trench channel in Japan. The slit-trench channels were 17.72 in. (450 mm) square for enclosing pipe. If your project requires certain specifications for any unique type of application, GOMACO will build that custom mold to fit your needs.

Paving Packages Add Versatility To Three-Track GT-6300

The GOMACO GT-6300, in the three-track mode, equipped with the versatile 12 ft. (3.66 m) paving package, will handle paving widths from 7 ft. to 12 ft. (2 m to 3.66 m metric mold) with minimum side clearance. The 16 ft. (5 m metric mold) paving package can accommodate widths from 7 ft. to 16 ft. (2 m to 5 m metric mold). The 16 ft. (5 m) paving assembly includes frame extensions for 12 ft. (3.66 m), 14 ft. (4.27 m) and 16 ft. (5 m) wide pours, and a left leg mount.

GOMACO paving packages are an easy bolt-on attachment without major structural modifications required. The paving package kit also includes additional vibrator circuits, valve, switch and hydraulics to change from standard machine to paving package set-up. Whether you choose the 12 ft. (3.66 m) or 16 ft. (5 m) paving package option for the GT-6300, you can be assured it will fit all of your wider width slipform paving applications.
The three-track GT-6300 prime mover drives over the supported four-track frame. The left end car has been removed from the frame to allow the rear leg of the GT-6300 to move through the framework. The GT-6300 is attached to the four-track frame. The pivoting left-front mount is removed. The three track assemblies (leg and track) are utilized for the four-track paving mode. The left-front track assembly (Track #1) on the GT-6300 is positioned as the left front on the four-track frame. The right-front track assembly (Track #2) on the GT-6300 is positioned as the right front on the four-track frame. The rear track assembly (Track #3) on the GT-6300 is positioned as the right rear on the four-track frame. Location of steering cylinder and potentiometer on the track assembly dictates its positioning in the transformation. The end car on the four-track frame is attached, and the left-front track assembly from the GT-6300 is attached. The additional fourth track assembly is attached to the left rear of the frame. The four-track paver drives over the paving mold for quick attachment.
The GT-6300 four-track is a revolutionary concrete paver for wider width slipforming, up to 20 ft. (6 m), with a modular design four-track paving framework and built-in versatility.

This four-track paver features the exclusive GOMACO Controller, four-point grade control, and the adaptability for the GOMACO Auto-Float®.

The GT-6300 is capable of zero-clearance paving in the four-track mode with one of the rear tracks removed. The four-track will also handle minimum clearance paving requirements.

The GOMACO GT-6300 four-track has job-proven rideability results throughout the world.

The four-track option design adds versatility with job-to-job mobility. The pivoting leg assemblies on the GT-6300 four-track allow the legs to easily swing to the outboard position for travel while the machine remains mobile. It can be loaded on an 8 ft. (2.5 m) wide trailer with the paving mold still attached.

**GT-6300 Standard Dimensions**

- Transport height: 8 ft. 9 in. (2.67 m) with mold attached
  - A. Transport length: 34 ft. 7.86 in. (10.56 m) extended
    - 28 ft. 7.86 in. (8.73 m) retracted
  - B. 18 ft. 7.56 in. (5.68 m) extended
    - 12 ft. 7.56 in. (3.85 m) retracted
  - C. 6 ft. 10.25 in. (2.09 m) minimum
  - D. 8 degrees
  - E. 106 degrees
  - F. 8 degrees
  - G. Transport width: 8 ft. 2.25 in. (2.5 m)
- H. Paving widths with minimum track clearance on both sides:
  - Minimum width: 11 ft. (3.35 m)
  - Standard width: 16 ft. 6 in. (5.03 m)
  - Maximum width with frame extensions: 20 ft. (6 m)
- I. 13 in. (330 mm)
- J. Minimum clearance, edge of slab to outside of track with track pivoted in 8 degrees: 2 ft. 2 in. (.66 m)
- K. Clearance to outside of machine: 3 ft. 2.5 in. (.98 m)
- L. 4 ft. 1.62 in. (1.26 m)
- M. 7 ft. (2.13 m)
- N. 4 ft. 1.62 in. (1.26 m)
- O. 2 ft. 6 in. (.76 m)
- P. 20 ft. 3.24 in. (6.18 m)

**Slipforming Median Barrier & Bridge Parapet**

Slipforming median barrier and bridge parapet are standard applications for the versatile GT-6300 four-track. Whether you are paving standard or variable barrier, the four-track system assures stability over grade variations. The four-track hydraulically elevates to slipform barrier or parapet without modifications. Minimum- and zero-clearance requirements are easily achieved with the side-mounted mold. The mold can be center-mounted to allow working in a 10 ft. (3.05 m) wide area.
Multi-Application Paver With Superior Rideability

The GT-6300 meets the strictest specification requirements and provides proven superior rideability results on slipform projects throughout the world. High production is achieved with the slipforming of slabs up to 20 ft. (6 m) wide in a single pass.

The GT-6300’s multi-application capabilities include airport runways, primary and secondary roads, highways, city streets, ramps and approaches, parking lots, alleys, shoulders, sidewalks, bicycle paths, and recreational trails.
ENGINE  (emission-controlled)
Type: Cummins turbocharged diesel.
Power: 155 hp (115.6 kW) @ 2100 rpm.

SERVICE CAPACITIES
Fuel reservoir: 55 gal. (208.2 L), locking cap.
Hydraulic oil reservoir: 170 gal. (643.5 L).

AUTOMATIC CONTROL SYSTEM
Type: Electronic-over-hydraulic.
Controls: GOMACO’s control system features self-diagnostics for grade, steering, cross slope controls, paving accuracy and ease of operation.
Control indicators: Panel-mounted auto control gauges allow operator to monitor control signals as machine follows stringline.
Reverse auto control: Single switch sets controls automated control with machine traveling in reverse.
Slope transition system: Software for the slope transition is available and features automatic correction for grade elevation, automatic correction for steering, and eliminates the need for stringline adjustment.

HYDRAULIC SYSTEM
Pumps: Two double-stage main pumps provide 95 gpm (359.6 Lpm) @ 2100 rpm. One pressure-compensated lift control pump provides 11.5 gpm (43.5 Lpm) @ 2100 rpm.
Hydraulic oil cooling: Extra capacity forced-air oil cooler and reservoir designed with internal baffling for atmospheric cooling.
Filtration: Industry standard filtration, including 10 micron control circuit filter, 100 wire mesh control circuit strainers and reusable double magnetic sump strainers.

VIBRATORS
Type: Hydraulically powered, motor in head, variable speed, independently controlled.
Quantity: Four hydraulic circuits and four hydraulic vibrators with mounts included with each machine.

SLIPFORM MOLD
Curb and gutter mold: One mold standard, up to 36 in. (914 mm) wide. Optional molds available for curb and gutter, monolithic sidewalk curb and gutter, barrier, parapet, irrigation canal and more.

WATER SYSTEM
Type: Pressurized water system.
Capacity: 100 gal. (378.5 L), 12 cfm (.3 cmm) air compressor, hose and nozzle. Water pressure, 90 psi.

TRACK SYSTEM
Type: Three hydraulically powered gear-driven crawler tracks.
Overall track length: 5 ft. (1.52 m).
Center to center sprocket/idler length: 3 ft. 4.5 in. (1.03 m).
Track pad width: 11.8 in. (300 mm).
Gearbox reduction: 36.6:1.
Track speed: 28 fpm (8.53 mpm); auxiliary @ 55 fpm (16.76 mpm).
Track tension: Fully automatic, hydraulically locks in on machine start-up, maintaining a steady tension of the track chain.
Ground pressure: Based on 25,000 lb. (11,340 kg) machine with 45 percent of weight on rear track, 40 percent of weight on left-front track and 15 percent of weight on right-front track.
Rear track, 23.5 psi.
Left-front track, 20.9 psi.
Right-front track, 7.4 psi.
Leg height adjustment: Each leg adjustable in 4 in. (102 mm) increments for 28 in. (711 mm) manual adjustment with 36 in. (914 mm) hydraulic adjustment.
Telescoping leg for positioning right-front track: Hydraulically controlled, allows 3 ft. (.91 m) lateral track adjustment range.
Power-slide leg for positioning rear track: Hydraulically controlled, allows 4 ft. 6 in. (1.37 m) lateral track movement.
Power-swing leg for positioning left-front track: Hydraulically controlled, allows track positioning from straight ahead to 12, 24 and 36 in. (305, 610 and 914 mm) to left outside of main frame or 12 and 24 in. (305 and 610 mm) to right toward center of main frame.
**BEST SELLING PAVER OF ALL TIME**

**CHARGING CONVEYOR**

Type: Hydraulically powered, reversible with charging hopper.
Length: 14 ft. 11.5 in. (4.56 m) between pulley centers.
Width: 24 in. (610 mm).
Belt speed: Variable to 280 fpm (85.34 mpm).
Conveyor mount: Pivot mounting for height adjustment or swing to allow hopper end to clear obstacles. Allows truck positioning to front or side of machine. Hydraulically powered mount controls conveyor slope.

**WEIGHTS** (Approximate)

Three-track machine:
Standard curb and gutter machine: 23,100 lbs. (10,478 kg).
Standard barrier or parapet machine: 24,400 lbs. (11,068 kg).
Standard with 6 ft. monolithic: 27,900 lbs. (12,655 kg).

Four-track machine:
Four-track paver: 28,500 lbs. (12,928 kg).
16 ft. (5 m) mold: 8,400 lbs. (3,810 kg).
Total weight: 36,900 lbs. (16,738 kg).

Note: Weights will vary on three-track and four-track machines, depending on mold and options.

**SUBGRADE TRIMMER** (Sectionalized)

Sectionalized trimmer: Internal hydraulic drive system and 24 in. (610 mm) diameter trimming wheel.

Trimmer wheel rotation: Upward cut.
Width: 42 in. (1,067 mm) sectionalized trimmerhead includes one 24 in. (610 mm) drive section with hydraulic internal drive and 18 in. (457 mm) extension. Optional extensions available for trimming up to 120 in. (3,048 mm) wide.

Sideshift and vertical adjustment: An optional trimmerhead mount for the three-track machine has 36 in. (914 mm) of hydraulic sideshift to the right and 12 in. (305 mm) of hydraulic vertical adjustment.

**OPTIONS**

Barrier/parapet sidemount or centermount.
Monolithic package.
42 in. (1,067 mm) stroke legs.
Trimmerheads and extensions. Left-hand discharge trimmerhead.
Concrete supply auger, 16 ft. (4.88 m) long, 14 in. (356 mm) diameter and auger speed up to 90 rpm.
4 ft. (1.22 m) charging conveyor extension to accommodate longer conveyor requirements.
Additional vibrator circuits and controls.
Right-hand sensor bracket required for barrier/parapet work.
Hold-over assembly, hydraulically powered, required when paving adjacent to existing concrete slab.
High-pressure water system, includes trigger gun control and adjustable pressure unloader for up to 2,000 psi.
Slipform molds, consult factory.
Four-track paver to accommodate wider width paving.
Vertical hinged sideplates and split sideplates with hydraulic controls.
Auto-Float® attachment.
High-drive tracks for tight clearance.
Two-speed track system.
Polyurethane track pads, 81 pads required for three-track, and 108 pads required for four-track machine.
Other options are available to customize machine to accommodate applications and customer needs.

**DIMENSIONS**

Three-track machine:

Overall length: 21 ft. 5.88 in. (6.55 m).
Overall height: 8 ft. 6 in. (2.59 m) minimum and 11 ft. 6 in. (3.51 m) maximum in elevated position.
Transport width: 8 ft. (2.44 m).

Four-track machine:

Transport length: 34 ft. 7.86 in. (10.56 m) extended 28 ft. 7.86 in. (8.73 m) retracted.
Transport height: 8 ft. 9 in. (2.67 m) with mold attached
Transport width: 8 ft. 2.25 in. (2.5 m)
GOMACO’S **SELECTIVE STEER CONTROLS**

**FEATURING STEERING CHOICES FOR JOB-SITE MOBILITY AND TRANSPORTABILITY**

GOMACO’s Selective Steer Controls for both the three-track and the four-track GT-6300 feature a forward/reverse steer switch and a position switch used to select the stringline steer mode or one of the other choices for manual track steering with the steering control dial.

**All-Track Steer (ATS)** is great for time savings in getting on and off stringline, job-site mobility and loading for transport. The ability to steer three/four tracks of a paver also provides accurate steering control when pouring barrier and parapet, sidewalk, or 20 ft. (6 m) wide paving. All-Track Steer (ATS) provides the ability to steer around a tight radius, rather than sliding on grade. When all tracks have the capability to steer, you eliminate the skid steer action through a radius and produce a 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.

**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. With the machine on line and in automatic steer, the operator walks the machine in reverse to the existing curb and gutter, utilizing the **Reverse Steer** feature. Then, flipping the switch to forward steer to start slipforming.

**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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**DESIGNED FOR SAFETY**

The GT-6300 is carefully designed to give years of dependable and safe service. Emergency stop buttons are located on strategic areas of the machine. The E-Stop are on the 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

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