

# TEXTURING / CURING MACHINES



Versatility is provided with GOMACO's texturing/curing machines.

The T/C-600 accomplishes tasks quickly because of its optional high travel speed. The 176 fpm (53.6 mpm) is the fastest in the industry.

Both the T/C-600 and T/C-400 frames permit width adjustment from 12 ft. 10 in. (3.91 m) up to 56 ft. 10 in. (17.32 m).

The T/C-600 is equipped with two hydraulically powered, gear-driven crawler tracks and the T/C-400 is equipped with two end cars, each having two hydraulically powered, foam-filled rubber flotation tires.



## **GOMACO**

*The Worldwide Leader in Concrete Paving Technology*

# Versatility With One Machine...

- Versatility with one machine...texturing, curing, poly-roll, burlap/astroturf drag.
- T/C-600 accomplishes the tasks quickly because of its optional high travel speed. The 176 fpm (53.6 mpm) is the fastest in the industry. This can allow your operator to keep up with the paving operation and time to tend to other responsibilities.
- The low-range power on the T/C-600 provides tractive effort around and over job-site obstacles and ease in negotiating inclines during loading. The low-range speed provides up to 66 fpm (20.1 mpm).
- The T/C-600 and T/C-400 frames permit width adjustment from 12 ft. 10 in. (3.91 m) to 56 ft. 10 in. (17.32 m). This GOMACO machine provides increased efficiency on any project where the surface of the concrete requires texturing and/or application of curing compound.
- Central operator station and power supply provides hydraulic control from one location. Job-proven, 60 hp (44.8 kW), four-cylinder, water-cooled CAT diesel engine, provides ample power for any project.
- Electronic-over-hydraulic forward and reverse steering and grade control is sensed off the same stringline as the paver. This provides ease of operation and accuracy in texturing and curing of the slab.
- Optional power transition adjuster (PTA) hydraulically adjusts for crown height and permits on-the-go crown adjustments.
- Curing assembly includes a reservoir with hydraulic motor, pump, and controls. The spray bar has nozzles spaced 12 in. (305 mm) apart and adjustable height above the surface of the concrete for even coverage. Transverse curing system is available. The transverse curing system allows you to simultaneously texture and cure, saving you time and money.
- Texturing assembly travels transversely across the width of the concrete slab. Carriage speed is variable up to 186 fpm (56.7 mpm). Texturing wire tine members are automatically pivoted to trail at the end of each pass. Adjustable pressure on surface contact between texturing member and concrete controls depth and angle of wire tines. Longitudinal texturing is available when required by project specifications.
- Versatility is provided as the optional burlap/astroturf drag or poly-roll hydraulically lowers for the texturing process and raises off the slab for the curing operation.
- GOMACO's T/C-400 and T/C-600 texture/cure machines are now available with a skewed tining option. It allows the travel of the tining bars to run a skewed path, while the frame of the machine is square to the slab. It simplifies the ability to transverse tine on newly paved streets and highways requiring a skew texture.



# New Skewed Tining Option



HW-050625-D14

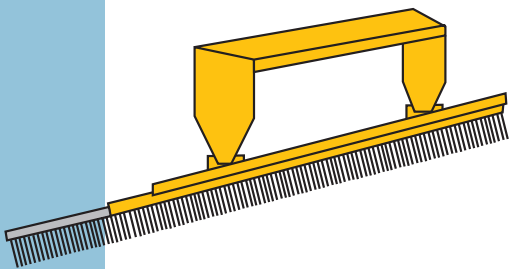
GOMACO's T/C-400 and T/C-600 texture/cure machines are now available with a skewed tining option. It allows the travel of the tining bars to run a skewed path, while the frame of the machine is square to the slab. It simplifies the ability to transverse tine on newly paved streets and highways requiring a skew texture.

In the past, the frame of the texture/cure machine had to be skewed and incorporated the use of a secondary crawler track mount with a center pivot, which added length to the machine. The skewed frame had to be broken down for transport.

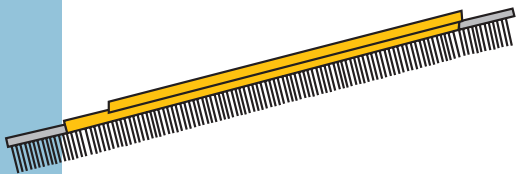


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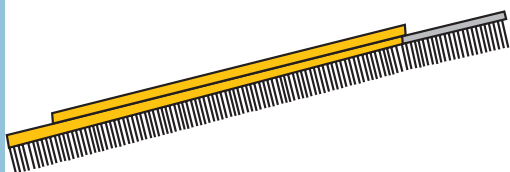
*These graphics help illustrate the different positions of the tining rake as it moves in its mount mechanism across the width of the slab.*



*The tining rake extended out fully to the left –*



*The tining rake in the middle of its tining path –*



*The tining rake extended out fully to the right –*

With the new skewed tining option, the tine rake on the texture/cure is gear driven, and as the rake travels across the slab, it moves longitudinally in a sliding mechanism through the mount. The final tining pattern is accomplished simply by sliding only the rake. No matter where the broom starts or stops, it always has the same skewed pattern, because it is timed off the carriage's back and forth travel. The sliding movement is controlled by a timing chain that runs from end panel to end panel. The direction of the skew can easily be changed by moving the timing chain either over or under the main drive sprocket on the upper carriage.

The skewed tining option was designed for simplicity. There are no electronic controls with the texture/cure's new skewed tining option. The sprockets, chains and mechanical items are ordinary pieces that are easily replaceable and can be purchased at the local hardware store.



CL-060603-D22

A simple sprocket and chain mechanism slides the tining rake for the skewed pattern.





HW-120306-D35

Wire tines for texturing



HW-060313-D18

Longitudinal tining



HW-060532-D17

Versatility with the burlap/astroturf drag or poly-roll





Control box is strategically positioned to provide easy steering control and safety with the emergency stop switch.



Console and operator station provides easy operation and overall visibility



Full-width spray bar for curing



Transverse cure system

EG-020501-D16

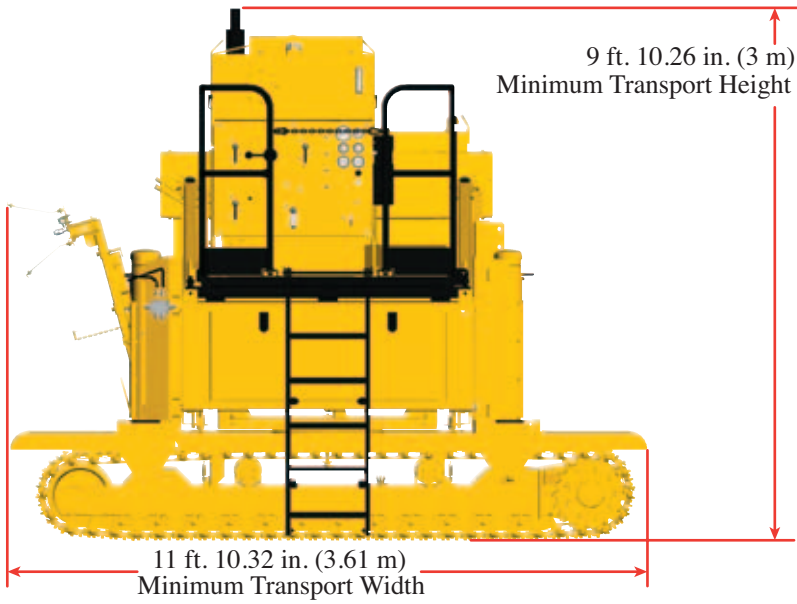
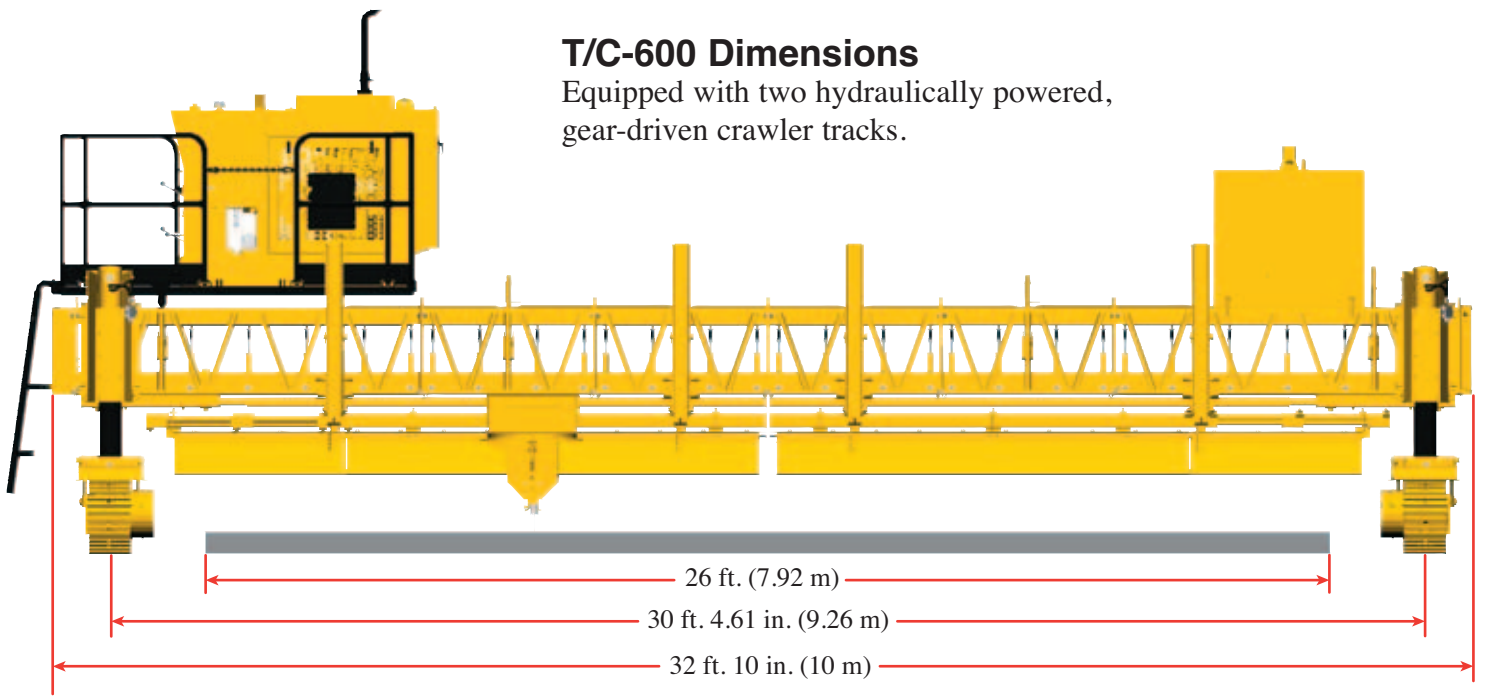
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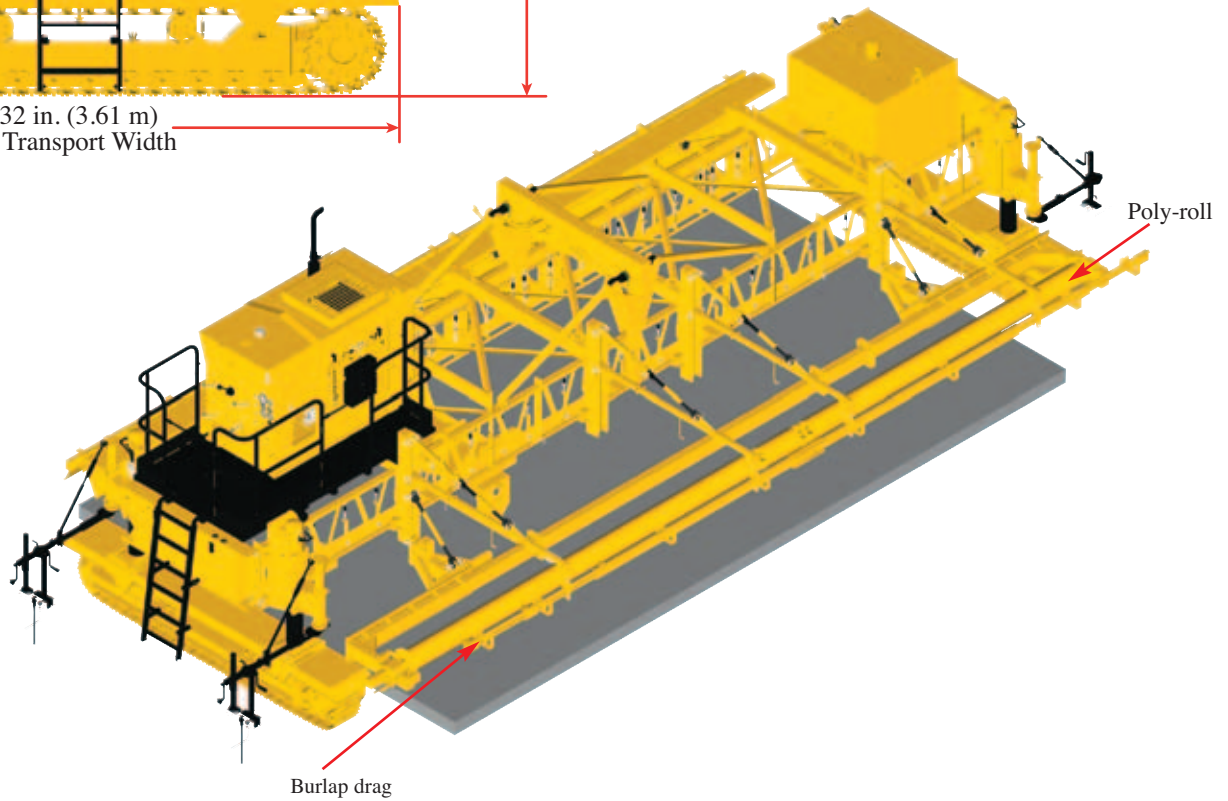
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## T/C-600 Dimensions

Equipped with two hydraulically powered, gear-driven crawler tracks.



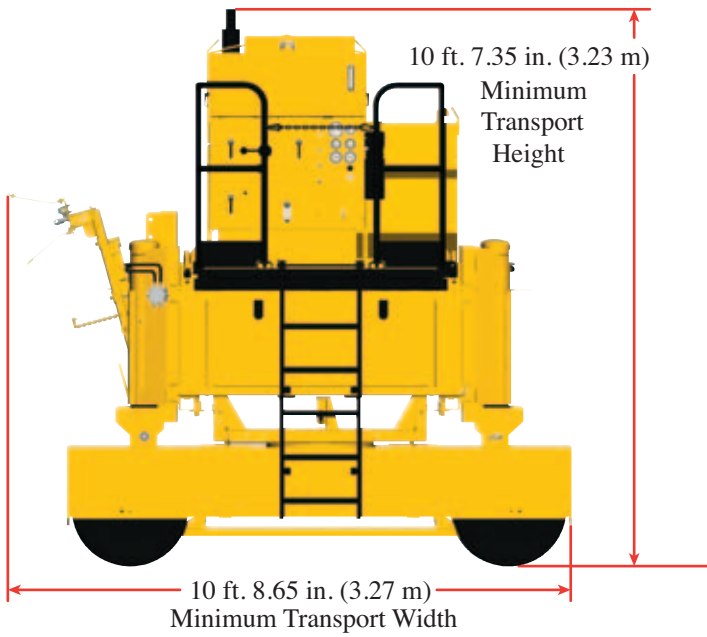
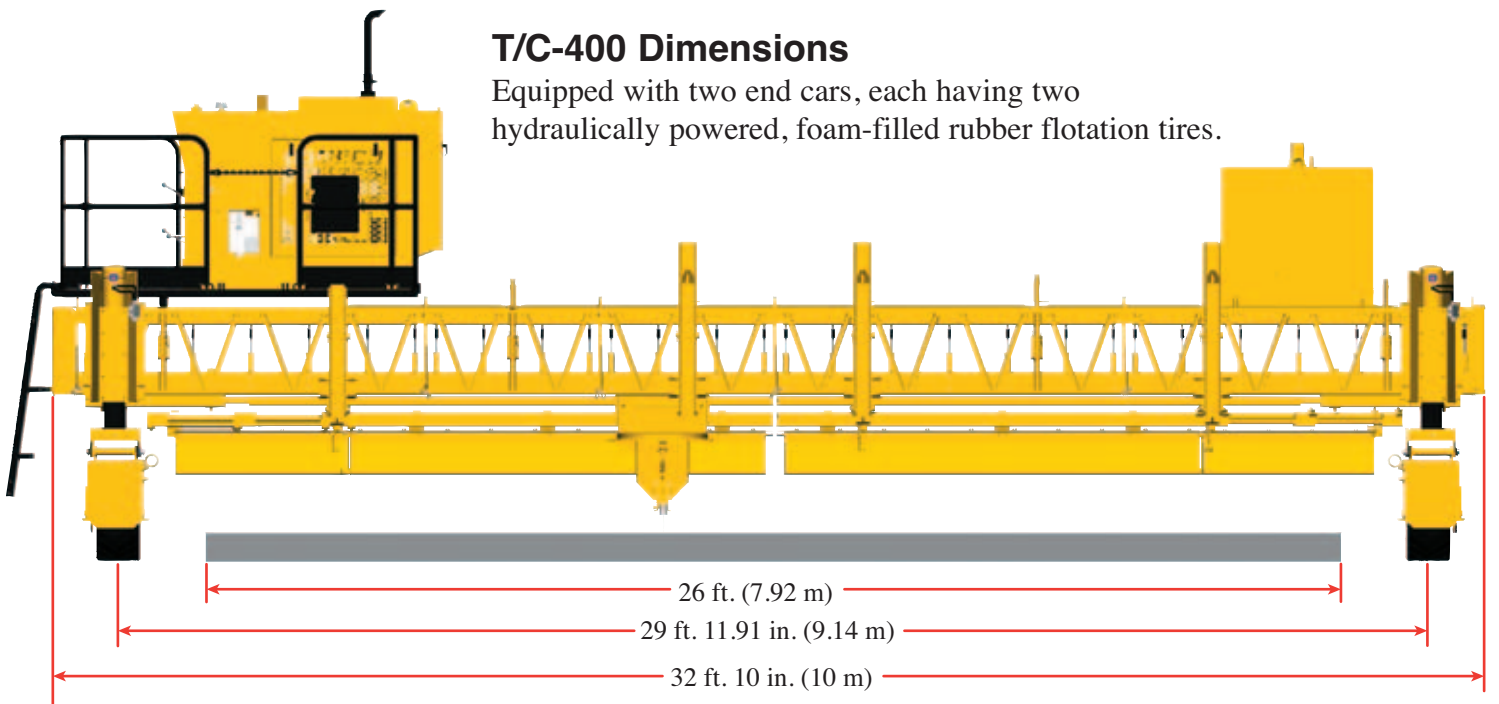
T/C-600 engineering drawings show the frame set-up at the standard 32 ft. 10 in. (10 m).



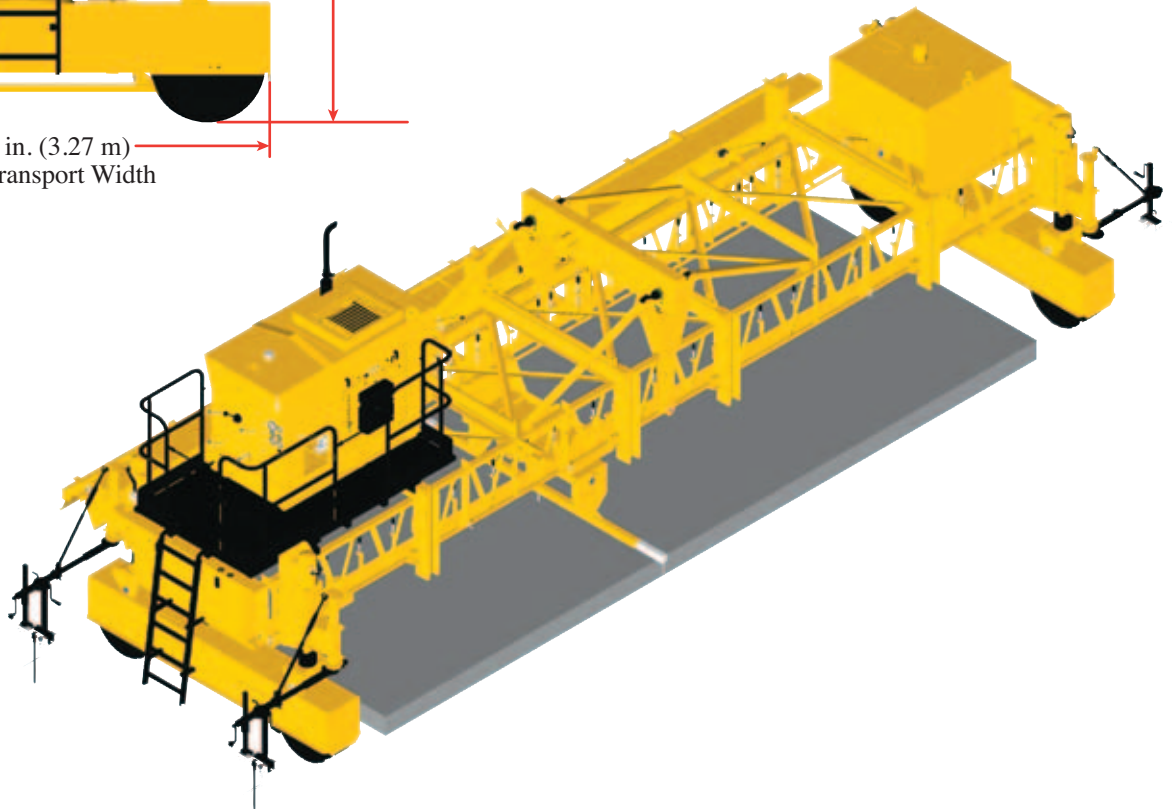


## T/C-400 Dimensions

Equipped with two end cars, each having two hydraulically powered, foam-filled rubber flotation tires.



T/C-400 engineering drawings show the frame set-up at the standard 32 ft. 10 in. (10 m).



# SPECIFICATIONS FOR VERSATILE TEXTURE/CURE MACHINES

## ENGINE

**Type:** CAT diesel.  
**Power:** 60 hp (44.8 kW) @ 2800 rpm.

## SERVICE CAPACITIES

**Fuel reservoir:** 33 gal. (124.9 L).  
**Hydraulic oil reservoir:** 57 gal. (215.8 L).

## HYDRAULIC SYSTEM

**Pumps:** One double-stage main pump provides 37 gpm (140 Lpm) @ 2150 rpm. One main lift pump provides 11 gpm (41.6 Lpm) @ 2150 rpm.  
**Oil cooler:** One electric fan forced-air oil cooler mounted on top of engine shroud.  
**Filtration:** One twenty-five micron main filter.

## AUTOMATIC CONTROL SYSTEM

**Type:** Electronic-over-hydraulic.  
**Controls:** GOMACO's control system features forward and reverse steering and grade control and is sensed off the same stringline as the paver. This provides ease of operation and accuracy in texturing and curing.

## TRACTION SYSTEM (T/C-600)

**Type:** Two hydraulically powered, gear-driven crawler tracks.  
**Track length:** 11 ft. 7 in. (3.53 m); center-to-center sprocket/idler length, 9 ft. 11 in. (3.02 m).  
**Track pad width:** 11.8 in. (300 mm).  
**Gearbox reduction:** 36.6:1.  
**Ground pressure:** Based on 17,700 lb. (8029 kg) machine with weight evenly distributed, 6.3 psi.  
**Track speed:** Variable up to 97 fpm (29.57 mpm).  
**Optional two-speed:** Low-range track speed of 66 fpm (20.1 mpm) and a high-range track speed of 176 fpm (53.6 mpm) with gearbox reduction at 100:1.  
**Optional:** Poly-track pads.  
**Optional:** Skewable track assembly.

## (T/C-400)

**Type:** Two end cars, each having two hydraulically powered, foam-filled rubber flotation tires.  
**Tire size:** 12 in. (305 mm) x 26 in. (660 mm).

## FRAME

**Construction:** All-steel welded frame, pin-connected main frame sections.  
**Width:** Adjustable from 12 ft. 10 in. (3.91 m) up to 56 ft. 10 in. (17.32 m). Standard width is 32 ft. 10 in. (10 m).  
**Optional frame extensions:** Available in 2 ft. (.61 m), 4 ft. (1.22 m), 8 ft. (2.44 m) and 12 ft. (3.66 m) lengths.  
**Optional power transition adjuster:** Hydraulically adjusts for crown height and permits on-the-go crown adjustments.  
**Optional:** Offset jack mounts, four to allow 2 ft. (.61 m) more between end cars without extending the main frame.

## OPERATOR'S PLATFORM ASSEMBLY

Operator's platform assembly is standard on both machines.

## TEXTURING ASSEMBLY

10 ft. (3.05 m) wide with 5 in. (127 mm) long wire tines spaced to meet specification requirements.  
**Optional:** Wire tine texturing members, fast change and built to specifications.

## CURING ASSEMBLY

250 gal. (946.4 L) reservoir, pump with hydraulic motor and controls. Includes spray bar, windshield and work platform.  
**Optional:** 350 gal. (1324.9 L) reservoir.  
**Optional:** Platform assembly for reusable totes provides a quick cure tote exchange.  
**Optional:** Spray bar, windshield and work platform extensions are available in 2 ft. (.61 m), 4 ft. (1.22 m), 8 ft. (2.44 m) and 12 ft. (3.66 m) lengths.

## TRANSPORT AXLE (optional)

The transport axle is hydraulically powered with 6.7 in. (170 mm) x 15 in. (381 mm) 12 ply tires and removable towing tongue for job-site use only.

## POLY-ROLL ATTACHMENT (optional)

Poly-roll attachment is pin-connected for quick attaching to the front of the T/C-600 texture/cure machine and is sectional to match the machine frame. Hydraulically driven variable speed

motor, up to 40 rpm, powers the poly-roller to match ground speed. Motor is reversible or can be disconnected to allow roller to free wheel when unrolling. The poly-roller has a minimum length of 14 ft. 9 in. (4.5 m) and can handle up to 500 ft. (152.4 m) of poly-roll depending on thickness and width of poly. Roller extensions may be ordered for different machine widths. Consult factory for different widths, lengths and allowable weight of poly-roll.

## DIMENSIONS

**T/C-600 Transport**  
**Minimum width:** 11 ft. 10.32 in. (3.61 m).  
**Minimum height:** 9 ft. 10.26 in. (3 m).  
**T/C-400 Transport**  
**Minimum width:** 10 ft. 8.65 in. (3.27 m).  
**Minimum height:** 10 ft. 7.35 in. (3.23 m).  
**T/C-600 Operational**  
**Width:** 12 ft. 10 in. (3.91 m) up to 56 ft. 10 in. (17.32 m).  
**Length:** 13 ft. 10.6 in. (4.23 m).  
**Height:** 12 ft. 6.73 in. (3.83 m).  
**T/C-400 Operational**  
**Width:** 12 ft. 10 in. (3.91 m) up to 56 ft. 10 in. (17.32 m).  
**Length:** 12 ft. 8.97 in. (3.89 m).  
**Height:** 12 ft. 7.88 in. (3.86 m).

## WEIGHT (approximate)

(at 32 ft. 10 in. (10 m) standard width)  
**T/C-600:** Basic unit at 17,700 lbs. (8029 kg).  
**T/C-400:** Basic unit 14,100 lbs. (6396 kg).

## ADDITIONAL OPTIONS

32 ft. 10 in. (10 m) texturing machine only, equipped same as standard machine, less curing system.  
32 ft. 10 in. (10 m) curing machine only, equipped same as standard machine, less wire tine texturing member assembly.  
Skewed tining option.  
Auto-Float® attachment, consult factory for specifications.  
Burlap drag assembly available for both texture/cure machines.  
Other options are available to customize machines to accommodate applications and customer needs.

Cover Photos: Top photo, T/C-600, HW-089902-15A; Bottom photo, T/C-400, HW-070411-D13  
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.

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