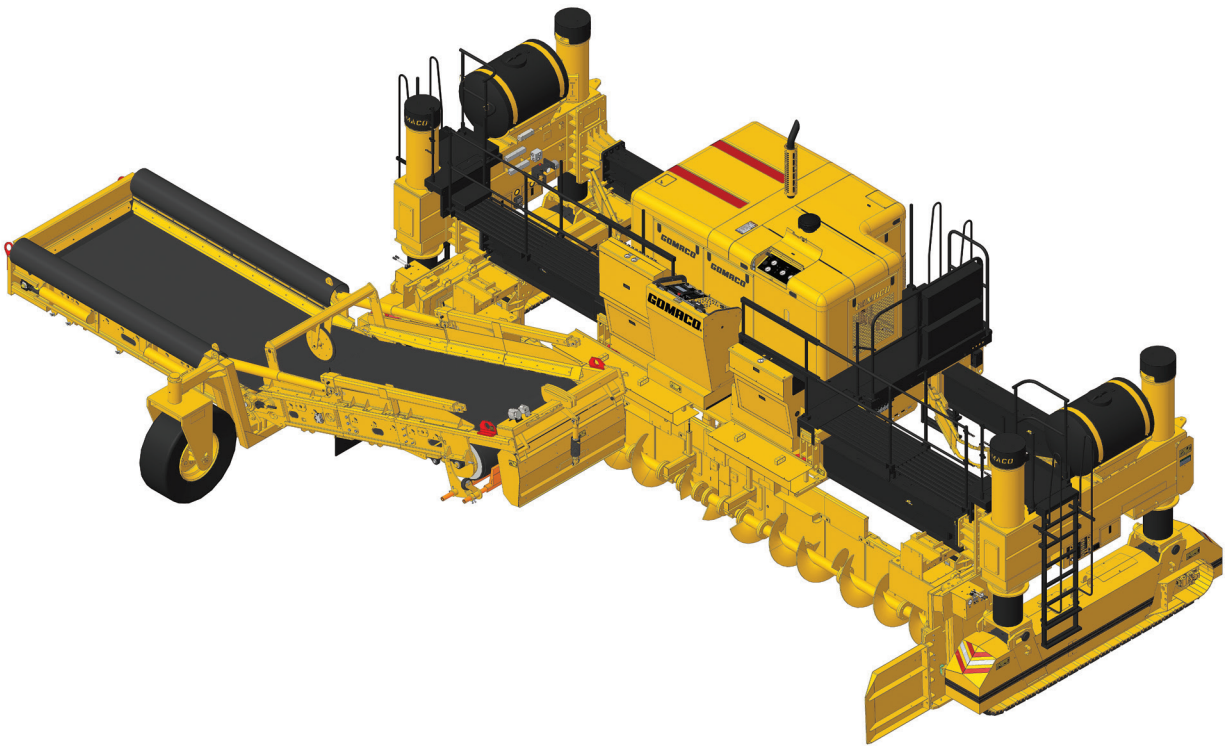


GOMACO® GP460

PLACER/SPREADER SLIPFORM PAVER



- The GP460 is a high-production placer/spreader up to 50 feet (15.24 m) wide with a 60 inch (1524 mm) belt and a top-of-the-line two-track GP4 for slipform paving up to 40 feet (12.19 m) wide.
- The GP460 is equipped with one conveyor and two auger drive circuits for placing and vibrator circuits for paving.
- It is equipped with the GOMACO-exclusive G+® control system.
- Quickly and efficiently interfaces with stringline or 3D machine guidance systems.
- Powered by a Caterpillar C7.1 Tier 4 diesel engine with 302 horsepower (225 kW) allowing the GP460 to efficiently drive the conveyor belt and distribute concrete across the grade.
- The strike-off features independent vertical adjustment to control the placed concrete depth without raising and lowering the prime mover.
- An optional sonic sensor system can be added to the GP460 to monitor the concrete depth it is placing. Information from the sonic sensors is utilized by the G+ control system on the paver using Machine to Machine (M2M) communication to provide the optimum and consistent head of concrete in front of the paver.
- The GOMACO strike-off features a Power Transition Adjuster (PTA) for crown adjustment with the placed material.
- The belt can be mounted for right-side or left-side haul roads.
- The GP460 is available with GOMACO Remote Diagnostics (GRD).
- Safety by Design – The conveyor belt features an alarm horn that activates automatically when the belt is raising or lowering.

GOMACO®

The Worldwide Leader in Concrete Paving Technology

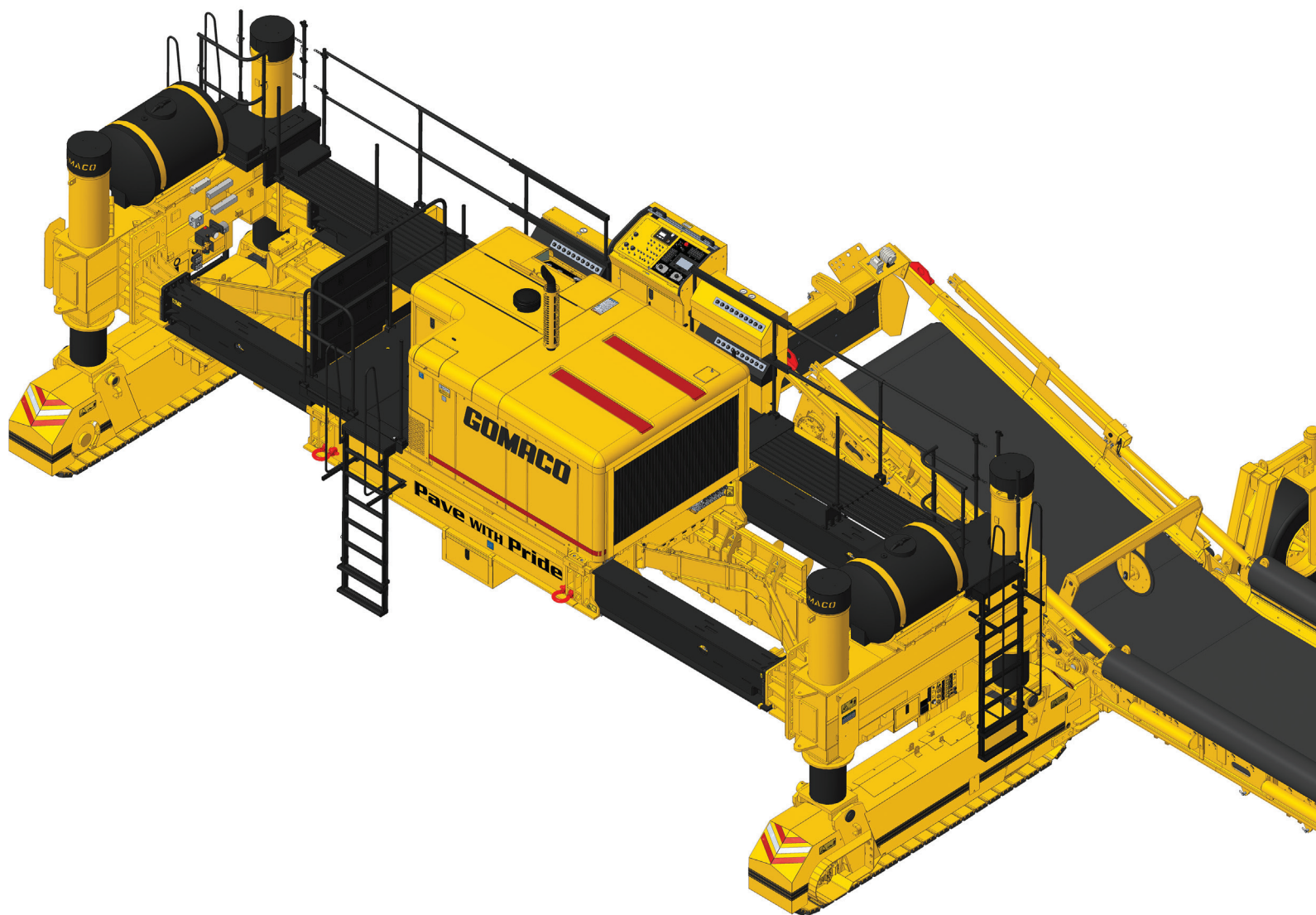
GP460 Placer/Spreader

High-Volume, 60 inch (1524 mm) Conveyor Belt

- The conveyor belt is designed to hold up against heavy loads from end-dump trucks.
- The GP460 conveyor features two, nine foot (2.74 m) long, 11 inch (279 mm) wide, flexible heavy-duty rubber seals on the front and back of the conveyor to ensure the concrete is delivered onto the conveyor belt.
- A conveyor discharge speed of up to 491.5 feet per minute (149.81 mpm) provides quick and efficient material placement.
- Automatic, pressure-compensated belt tensioning while folding, allows the belt to adjust based on the height of the haul road.
- Conveyor wheel retains the belt position when the conveyor is being raised or lowered.
- Heavy-duty, dual-stage belt wiper with pneumatic tensioning.
- Placement accuracy with a controllable material deflector to direct the flow of concrete at the discharge end of the conveyor.

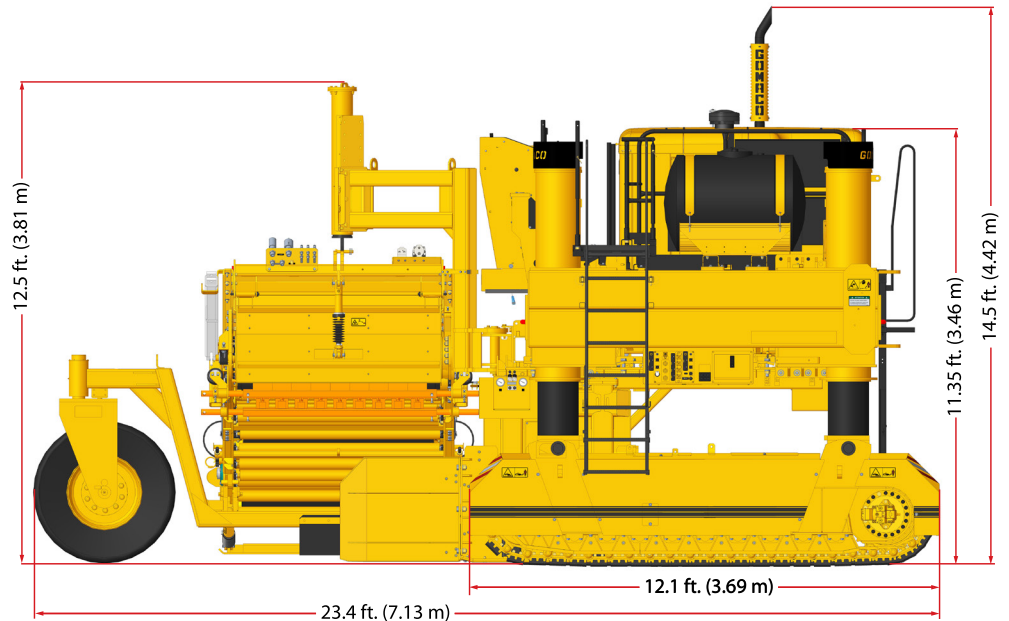
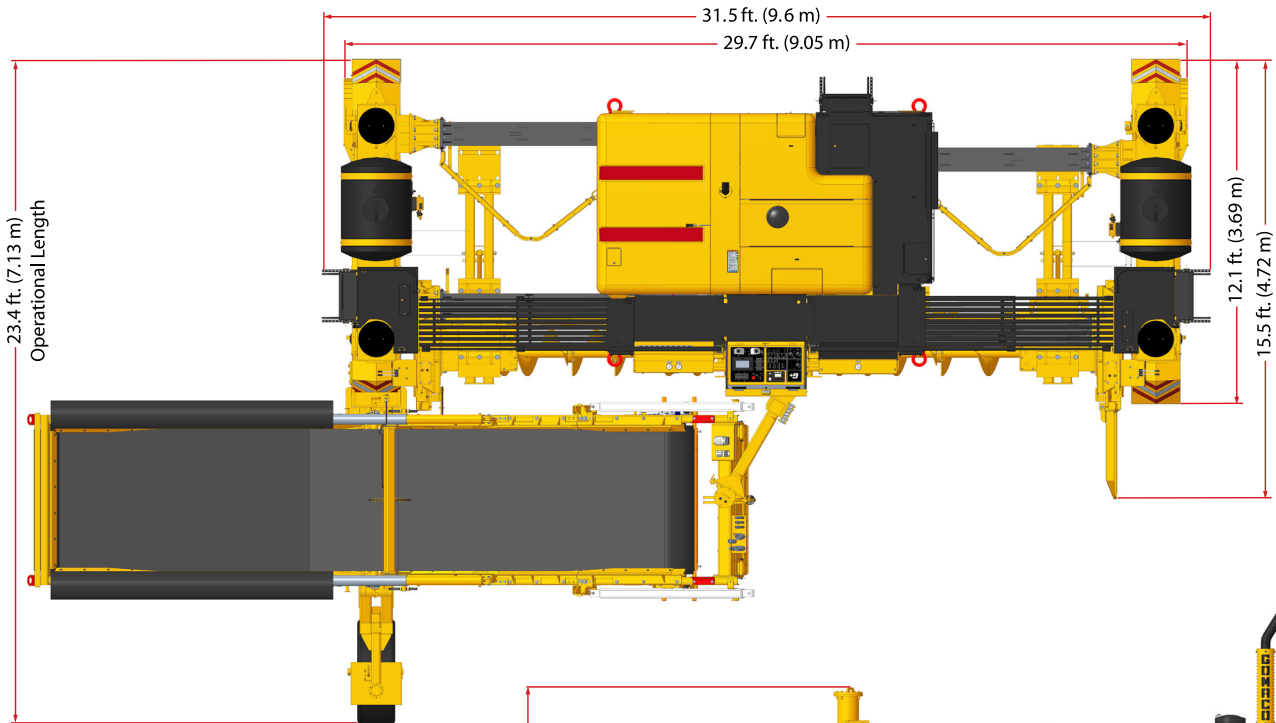
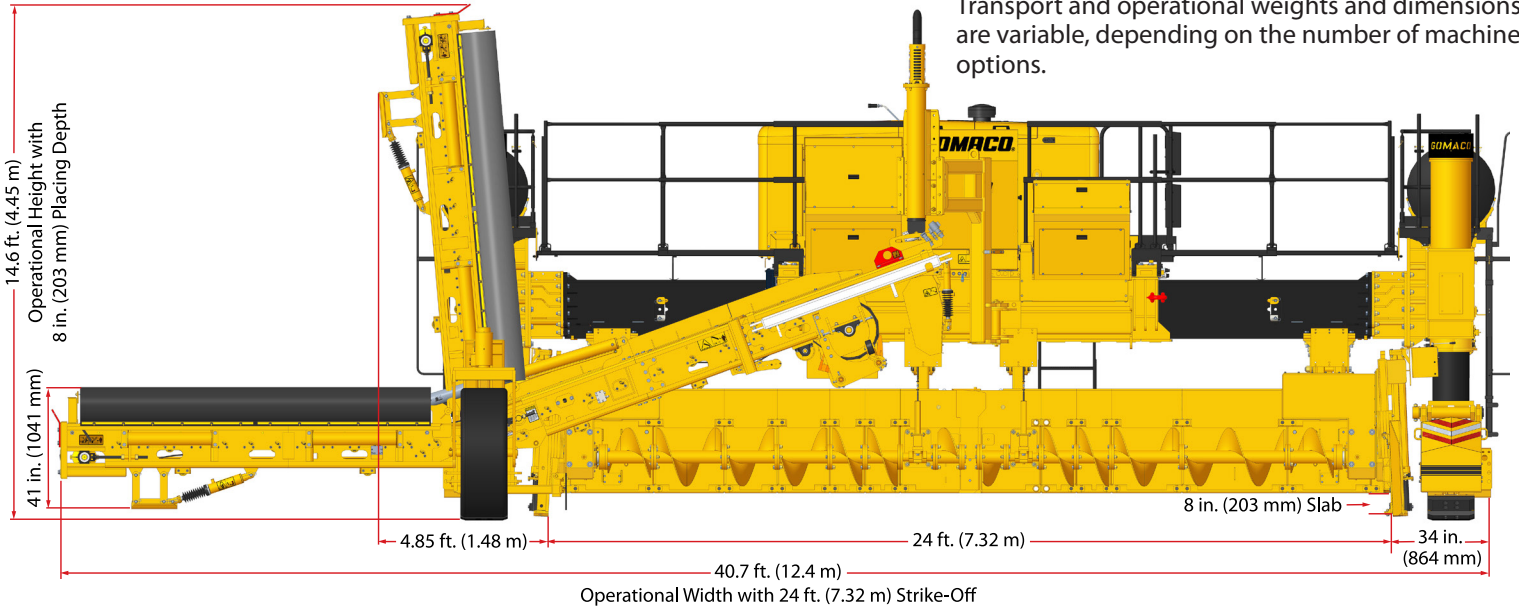
Strike-Off Designed for 3D Machine Guidance and M2M (Machine to Machine) Control

- The strike-off height can be controlled with optional smart cylinders, independent of the prime mover, to meter the concrete ahead of the paver.
- The vertical control of placement depth can be accomplished from the optional GOMACO Navigator on the concrete paver, giving the GP460 true M2M communications.
- The dual-drive auger system moves material to the center or outer areas across the strike-off.
- The reversible 20 inch (508 mm) diameter, hydraulically-powered, split auger features four inches (102 mm) hard-facing on the exterior of the flighting for wear resistance.
- Edge control and maximum material utilization is accomplished with pressure-compensated sideplates.



Introductory Dimensions

Dimensions are shown with a 24 foot (7.32 m) wide strike-off.
Transport and operational weights and dimensions are variable, depending on the number of machine options.



GP460 Specifications

ENGINE

Type: C7.1 Caterpillar turbocharged diesel engine.

Emission Level: Tier 4 Final, Stage IV.

Power: 302 hp (225 kW) @ 2200 rpm. 12.7 gph (48.1 Lph) @ 80% load.

Type: C7.1 Caterpillar turbocharged, aftercooled diesel engine.

Emission Level: Tier 3.

No. of Cylinders: 6.

Displacement: 427.7 cu. in. (7.01 L).

Power: 275 hp (205 kW) at 2200 rpm. 11.6 gph (43.9 Lph) @ 80% load.

SERVICE CAPACITIES

Fuel reservoir: 160 gal. (606 L).

Hydraulic oil reservoir: 230 gal. (871 L).

AUTOMATED CONTROL SYSTEM

Type: Electronic-over-hydraulic.

Controls: GOMACO's exclusive G+® control system features self-diagnostics for grade and steering. It features multi-language, metric or imperial units, and a 6.5 in. (165 mm) anti-glare display screen.

Control indicators: Color graphical performance indicators allow operator to monitor control signals for machine guidance on stringline or 3D.

TELESCOPING FRAME

Telescoping: Dual-telescoping frame telescopes up to 7 ft. (2.13 m) on each side for a total of 14 ft. (4.27 m) of telescoping capabilities.

SPREADER AUGER SYSTEM

Type: Hydraulically powered dual-drive, reversible 20 in. (508 mm) diameter.

Auger speed: Variable up to 85 rpm.

STRIKE-OFF

24 ft. (7.32 m) wide: One 4 ft. (1.22 m) right-hand drive section, one 4 ft. (1.22 m) left-hand drive section, and one 4 ft. (1.22 m) power transition adjuster (PTA) section. Balance of inserts per customer specifications. Additional insert sections available for spreading widths up to 50 ft. (15.24 m). Hydraulically pressure-compensated sideplates with adjustment up to 19 in. (483 mm).

International: Strike-off widths are available for countries using the metric system.

BELT CONVEYOR SYSTEM

Width: 5 ft. (1.52 m).

Length: 22 ft. (6.71 m).

Fold height: 14.6 ft. (4.45 m).

Hinge system: Two 3.5 in. (89 mm) by 30 in. (762 mm) hydraulic cylinders.

Hinge fold speed: 8 seconds up and 6 seconds down.

Belt drive: Hydrostatic.

Belt speed: Variable speed control up to 491.5 fpm (149.81 mpm).

Belt tensioning: Pressure-compensated hydraulic belt tensioning for varying haul road height.

Conveyor assembly system: Mounts on either side of machine.

Hydraulic conveyor deflector: Directs the flow of concrete at discharge end of conveyor.

Optional: 3 ft. (.91 m) conveyor inserts available for wider applications.

TRACK SYSTEM

Type: Two hydraulically powered, gear-driven crawler tracks. Overall track length: Series 6 tracks, 12 ft. (3.66 m).

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

Track speed: Variable up to 28 fpm (8.53 mpm) paving, and auxiliary up to 85 fpm (25.91 mpm).

Ground pressure: 25.4 psi based on 84,000 lbs. (38,102 kg) machine with mold and weight evenly distributed.

Leg height adjustment: 36 in. (914 mm) hydraulic adjustment and manual adjustment of 11.75 in. (298 mm) for a total height adjustment of 47.75 in. (1213 mm).

DIMENSIONS

Placing/spreading width: 12 ft. (3.66 m) to 26 ft. (7.92 m) with no inserts needed for frame. Optional width of up to 50 ft. (15.24 m) with additional frame inserts.

Operational length: 23.4 ft. (7.13 m).

Operational width: 40.7 ft. (12.4 m) with 24 ft. (7.32 m) strike-off and conveyor belt down.

Operational height: 14.6 ft. (4.45 m) with the mold extended 10 in. (254 mm) and legs extended 24 in. (610 mm) for placing and spreading material for an 8 in. (203 mm) slab.

Minimum transport length: 31.5 ft. (9.6 m) with 24 ft. (7.32 m) strike-off attached.

Minimum transport width: 12.1 ft. (3.69 m).

Minimum transport height: 10.6 ft. (3.23 m) without strike-off or 11.9 ft. (3.63 m) with 24 ft. (7.32 m) strike-off attached.

WEIGHTS (approximate)

Transport weight: 66,000 lbs. (29,937 kg) without strike-off mold and conveyor.

Operational weight: 84,000 lbs. (38,102 kg) with 24 ft. (7.32 m) strike-off mold and conveyor.

Note: Transport and operational weights and dimensions are variable, depending on machine options.

ATTACHMENTS AVAILABLE

Four-corner outrigger system, manual operation or hydraulically powered.

High-pressure or low-pressure water system.

Frame extensions.

Conveyor inserts.

Strike-off inserts.

18 in. (457 mm) conveyor hopper extension.

3D package for stringless control.

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

Manufactured under one or more of the following U.S. or foreign patents: 7,284,472; 7,517,171; 7,845,878; 7,850,395; 8,682,622; 8,855,967; 9,051,696; 9,180,909; 9,200,414; 9,404,228; 9,428,869; 9,458,581; 9,464,716; 9,541,195; 9,567,715; 9,624,626; 9,637,872; 9,644,328; 9,633,162; 9,670,627; 9,739,019; 9,764,762; 9,869,063; 9,963,836; 9,982,399; 10,005,489; 10,206,016; 10,501,913; 10,822,029; 10,829,898; 10,940,883; 11,060,245; 11,149,388; 11,254,329; CA2591177; CA2864902; CA2899768; CA2984201; AU2018100400; AU2018211060; AU2019100743; AU2020201238; RU2757433; RU2760718; EP3294955; EP3571111; JP6768709; KR10-2256018; IDP000068640; and patents pending.

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

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

