

TC1500



TEXTURE CURE MACHINE

Working Width: 12 - 56 ft. (3.5 - 17 m)



“BEST-IN-CLASS” TEXT

POWER UNIT MODULE

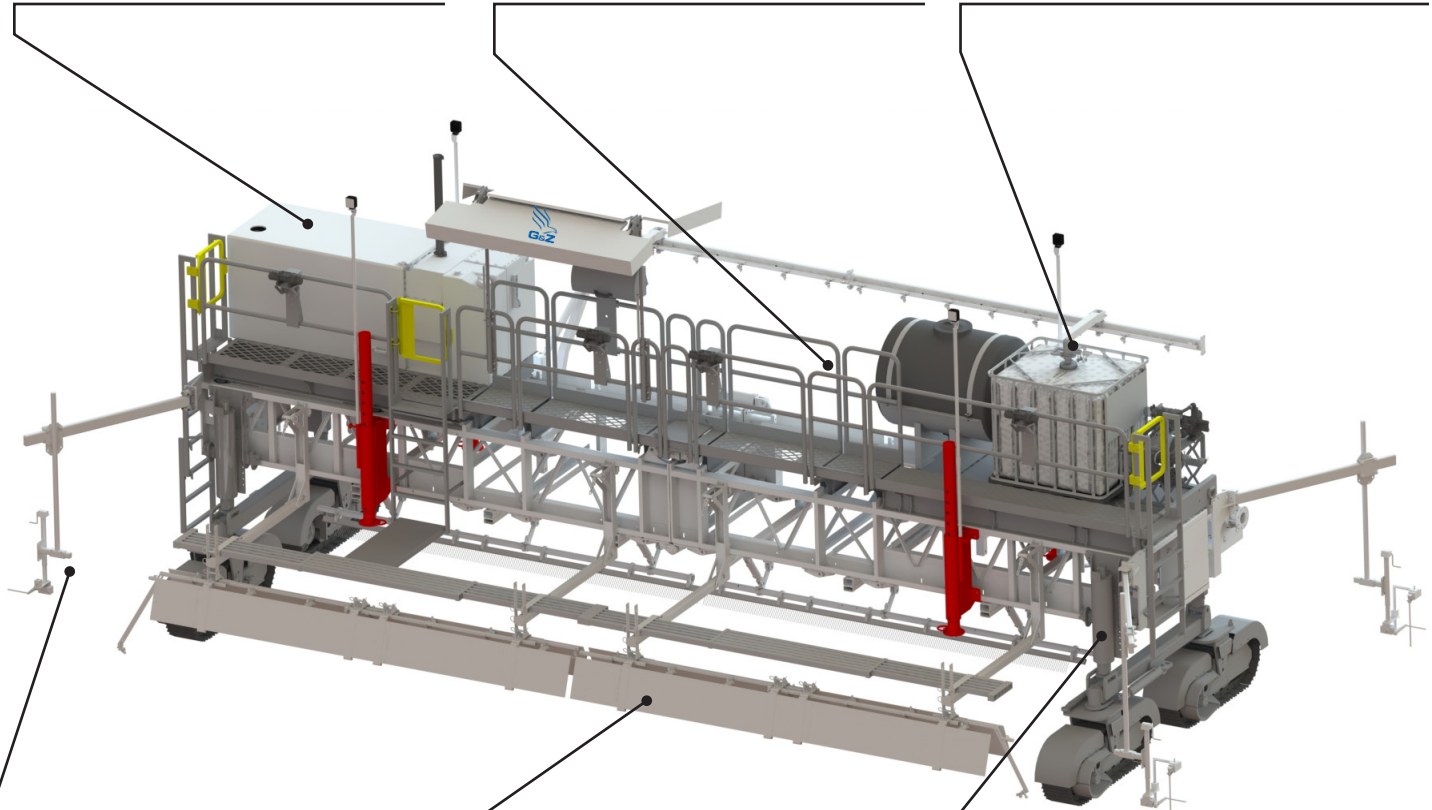
A four-cylinder 74 hp (55 kW) US EPA Tier 4f / EU Stage IV, low emissions diesel engine offers incredible operating economy. A 110 hp (82 kW) US EPA Tier 3 / EU Stage IIIA engine is also available for some markets.

ACCESS WALKWAY

Access Walkway with hand railing on top of main frame provides quick access between the Power Unit and Cure System platforms. The walkway is sectionalized to match the machine frame.

CURE STORAGE / PUMPING MODULE

The module includes a 275 Gal. (1040L) poly tote, hydraulic motor driven Roper cure pump, valving, plumbing, strainers, and hydraulic motor driven mechanical agitator.



ELEVATION & STEERING SENSORS

Four proportional elevation and two steering sensors on hinge support arms provide superior steering in both forward and reverse for straight, uniform longitudinal and transverse tining. Ultrasonic sensors are also available as an option.

LONGITUDINAL CURE APPLICATION SYSTEM

A hinge-up rear telescopic aluminum walkway, telescopic cure spray hood / windshield and spray bar with a triple tip nozzle system including side of slab nozzles and adjustable supports.

JACKING COLUMNS

Hydraulic Jacking Columns with moveable mounts along the main frame provide long service life and low maintenance cost. Each jacking column allows 18 in. (46 cm) hydraulic lift and mechanical adjustments in 2.5 in. (6 cm) increments.

GUNTERT QUALITY, EXCEPTIONAL ACCURACY

Guntert & Zimmerman (G&Z) introduced the TC1500 Texture Cure Machine in 1991 and was the first in the industry to introduce a four-track version in 1993. Since then, we have continued to improve and refine it. Like G&Z's other paving products, the TC1500 makes contractors as productive as possible to **MAXIMIZE AVAILABLE PAVING TIME AND MINIMIZE EVERYTHING ELSE.**

The TC1500's unique main frame and modern steering controls ensure accurate steering, resulting in the most uniform curing and tining possible even at high speeds.

G&Z's TC1500 is designed to keep weight as low as possible which offers big advantages in soft trackline or ground conditions.

URE CURE MACHINE

TELESCOPIC STANDS

(OPTIONAL)

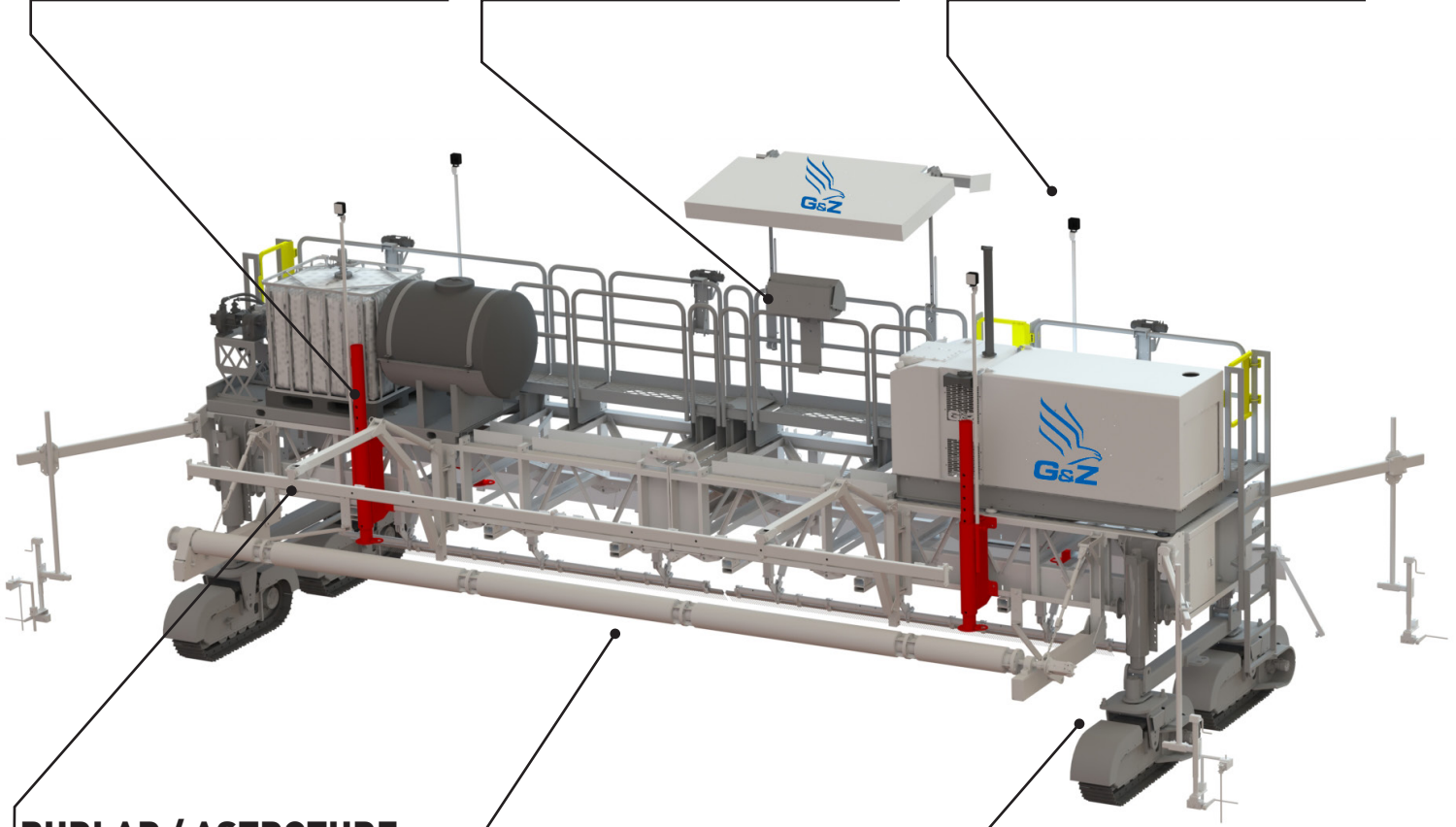
Relocatable telescopic stands take the entire weight of the machine making shipping and width change quick and easy.

OPERATOR CONSOLE

Moveable Operator Control Console is provided with protective, lockable cover. Machine is controlled by G&Z's EGON software with fault / self-diagnostic capability.

NIGHT LIGHTING (OPTIONAL)

DC Night Lighting System with 4 LED Lamps on telescopic support pipes provide maximum productivity at night.



BURLAP / ASTROTURF DRAG (OPTIONAL)

Burlap / Astroturf Drag System with poly water tank, with low pressure water pump and water spray bar includes two support arms which raise and lower hydraulically. Support arms fold in for transport.

POLY-ROLL DISPENSER

(OPTIONAL)

Polyethylene Paper Dispenser, with height adjustable supports, mounts off the main frame can hold a hydraulic motor powered spool with up to 500 ft. (152 m) of poly paper depending on paving width.

CRAWLER TRACKS

Crawler tracks with "flip of the switch" 90° steering capability are 12 in. (30 cm) wide and 5 ft. (1.5 m) long. Each track is provided with planetary gearbox and hydraulic motor drive and fenders on the front and rear.

The four-track version of the TC1500 is equipped with 90° steering, which offers exceptional on-site maneuverability, reduces the size of hand pours, and allows the machine to self-load and unload during transport. All of these features are huge productivity boosters. Listening to contractor's needs and engineering solutions makes G&Z equipment: **CONTRACTOR INSPIRED, GUNTERT ENGINEERED.**

- Applications include city streets, secondary roads, ramps, highways, and airport paving.
- Main frame sections with unique, lower cord pin connections, optional roller mounted end trucks and telescopic support stands, dramatically reduce width change time as does the telescopic, longitudinal cure application system.

QUICK AND EASY WIDTH CHANGES

LATTICEWORK MAIN FRAME



The TC1500 mainframe, with adjustable tine cart track, is designed to be light but strong and capable of handling working widths from 12 to 56 ft. (3.5 to 17 m). The bottom cords of the mainframe have a unique tapered pin connection for quick width change. The torsionally rigid, latticework frame is capable of transmitting steering forces from one end of the machine to the other in response to a steering correction sensed by a steering sensor. This combination gives contractors excellent steering accuracy, in both forward and reverse directions, even at the higher speeds needed to ensure uniform curing and tining results while significantly speeding up the tining and curing process.

ACCESS WALKWAY



CROWN CAPABILITY



The G&Z TC1500 is available with an optional Access Walkway with hand railing on top of the main frame to provide quick access between Power Unit and Cure System Module platforms. The Power Unit and Cure System platforms are each accessible by a ladder with yellow safety gate. The Access Walkway optimizes operator's visibility, speeds access, and allows safe movement across the width of the machine without obstructing the operator's visibility of the tining operation. The Access Walkway is sectionalized to match the main frame. The TC1500 can be provided with one or more hydraulically hinged crown sections that are remotely controlled by the operator. Auto crowning is available as an option.

ROLLER-MOUNTED JACKING COLUMNS



The TC1500's four jacking columns are heavy duty and can easily be relocated anywhere along the main frame terminals. The jacking columns can be re-bolted to different positions on the bolting plate to accommodate different slab thicknesses without the need of a crane. As an option, jacking columns can be equipped with supporting rollers that engage a track system on the main frame. The rollers are placed on the jacking column bolting plates to speed relocation along the frame with the aid of 90° steering. This roller feature is also used to quickly change width by eliminating the need to add or remove a main frame section.

TELESCOPIC SUPPORT STANDS



Optional telescopic support stands clamp anywhere along the main frame for ease of width change and transport. To change width, the support stands are telescoped to the ground on top of a skid plate and crawler tracks are turned 90° to walk the machine frame, together or apart, to allow a main frame section to be quickly added or removed. A pin is provided between the crawler tracks and jacking column yokes to prevent the track from rotating when relocating end tracks or changing width.

PRODUCTIVITY TAKEN TO NEW HEIGHTS

90° STEERING CAPABILITY



The TC1500 is available as an option with four tracks which offers the best possible weight distribution and lowest ground pressure, even in soft trackline conditions. The four track configuration also gives you a “flip of the switch” 90° steering feature which is a huge productivity booster. It speeds maneuvering / steering around the job site, self-loading / steering on and off a trailer, crossing bridges, and reduces hand pour sizes.

COUNTER-ROTATION CAPABILITY



The TC1500 has counter-rotation capability like all G&Z paving equipment. Because of the propulsion system design, by selecting the counter-rotation mode, the crawler track(s) on one end truck travel in the opposite direction of the other end truck, rotating the machine 360° within its width. This feature allows high maneuverability on the jobsite especially in tight confines.

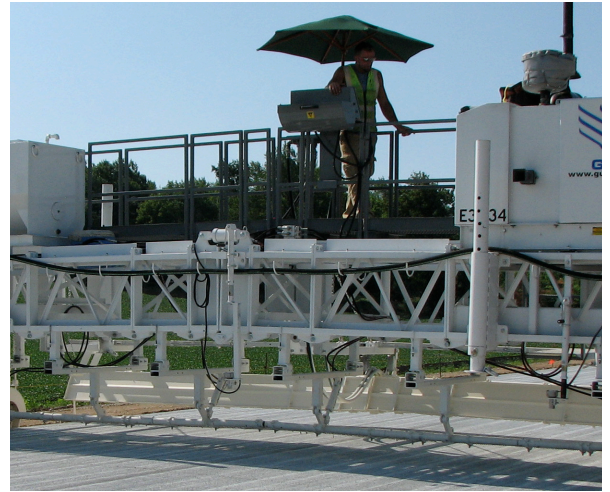
SUPERIOR OPERATOR CONTROL

CONTROL CONSOLE



The Operator Control Console, with protective and lockable cover, can be relocated anywhere along the access walkway or platform hand railing for optimizing the operator's view of all the tining and curing functions. The console is intuitive and simple to learn and operate. The TC1500 is controlled by G&Z's EGON (Equipment Guidance and Operation Network) proprietary software with fault / self-diagnostic capability. EGON monitors and controls all machine functions including automatic and manual steering and elevation controls, self-diagnostics, remote engine low idle switch, 90° steering, counter-rotation, etc.

ELEVATION, STEERING AND AUTO CROWN CONTROL



Electronic, no contact type, moisture proof, and proportional steering and elevation sensors, as well as G&Z's own proprietary software ensures steering and elevation accuracy. Sensor support arms are provided which hinge out to reach the grade wire location and hinge in for transport. Two steering sensors are provided, one located at the front and rear of the machine for forward and reverse steering, and are mounted on the same adjustable sensor support columns as the four elevation sensors.

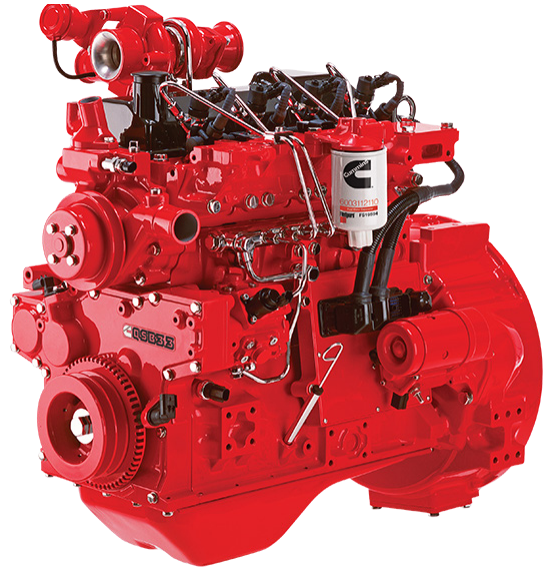
In lieu of, or in addition to wand type sensors, G&Z offers optional ultrasonic sensors and supports for referencing grade off top of concrete for elevation reference. An ultrasonic sensor can also be used at the crown section location to maintain a fixed, preset distance from the bottom of the frame to the top of the crown. This allows the main frame to automatically transition in and out of crown.

LOWEST OPERATING COST

LOW-EMISSION / FUEL EFFICIENT DIESEL ENGINE



The 4-cylinder CAT C3.4B US EPA Tier 4 Final / EU Stage IV 74 hp (55 kW) diesel engine offers low emissions, superior fuel economy and quiet power.



The 4-cylinder Cummins QSB3.3 US EPA Tier 3 / EU Stage IIIA 110 hp (82 kW) diesel engine is supplied to markets where ultra-low emissions are not mandated.



The Power Unit houses the diesel engine while providing excellent access to the pumps and filters for ease of monitoring, service, and troubleshooting. The diesel fuel tank and hydraulic reservoir are conveniently located and accessed off the end of the Power Unit.



The Power Unit's hinge up fiberglass enclosure provides outstanding protection against the elements. Double vibrating isolation on the engine / pump group and the insulated enclosure ensure a quieter work environment for the operator.

CURE APPLICATION STORAGE AND PUMPING SYSTEM



The Cure Storage and Pumping System includes a 275 Gal. (1040L) poly cure tote, hydraulic motor driven Roper pump and hydraulic motor driven mechanical agitator complete with a platform. The cure system plumbing can also re-circulate excess cure compound back to the tank for agitation or can be used to refill or empty the cure tote. Strainers are located on the lines out to the spray bar. As an option, cure hoses can be provided from the cure system pump to each side of the machine, and for operator convenience a cure pump on-off switch can be provided at ground level on both sides of the machine.

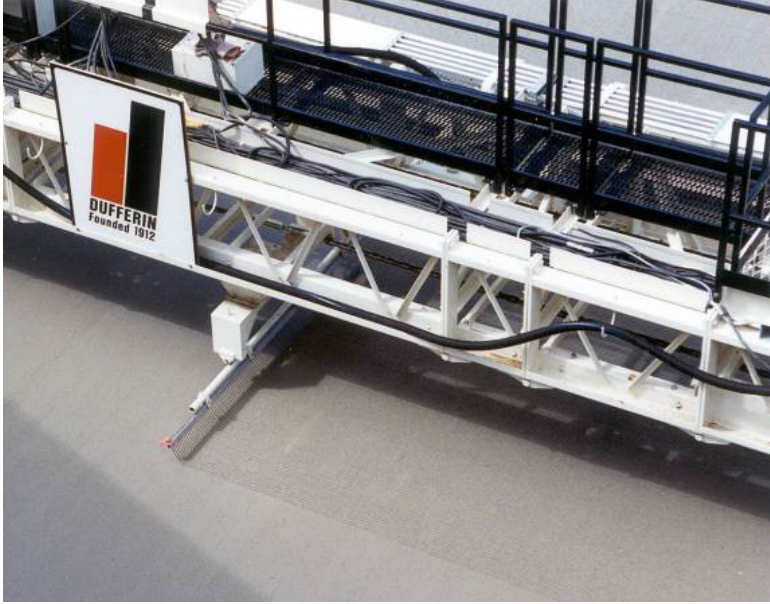
LONGITUDINAL CURE APPLICATION



A Longitudinal Cure Application System with G&Z's unique and time saving telescopic Cure Spray Hood / Windshield and Spray Bar with triple tip nozzles is used to meter and uniformly apply curing compound onto the fresh concrete surface. The system is supported off the end of the telescopic aluminum walkway supports and matches the main frame width. On each end of the spray hood nozzles are provided to apply cure to the side of the slab. The rear telescopic aluminum walkway is provided for access and servicing spray nozzles. As an option, main frame mounted 12V DC electric hand winches are offered to quickly raise-lower the spray hood / windshield and rear walkway sections from working to transport mode.

VERSATILITY MADE EASY

TRANSVERSE TINING SYSTEM



A joystick controlled transverse tine cart runs in an adjustable tine cart track located at the bottom cord of the main frame, complete with hydraulic motor driven chain system to propel the cart. The kit also includes a 10 ft. (3 m) tine rake or brush to match your specification. Relocatable ramps with limit switches provided on each end of tine track, automatically lift the tine cart to stop the cart at desired location at the slab edge. The machine travels forward step by step for the tining/brushing operation, with each step having the length of the tine rake of 10 ft. (3 m). While the machine is standing still, the tining/brushing cart moves in the transverse direction across the concrete slab surface.

LONGITUDINAL TINING SYSTEM



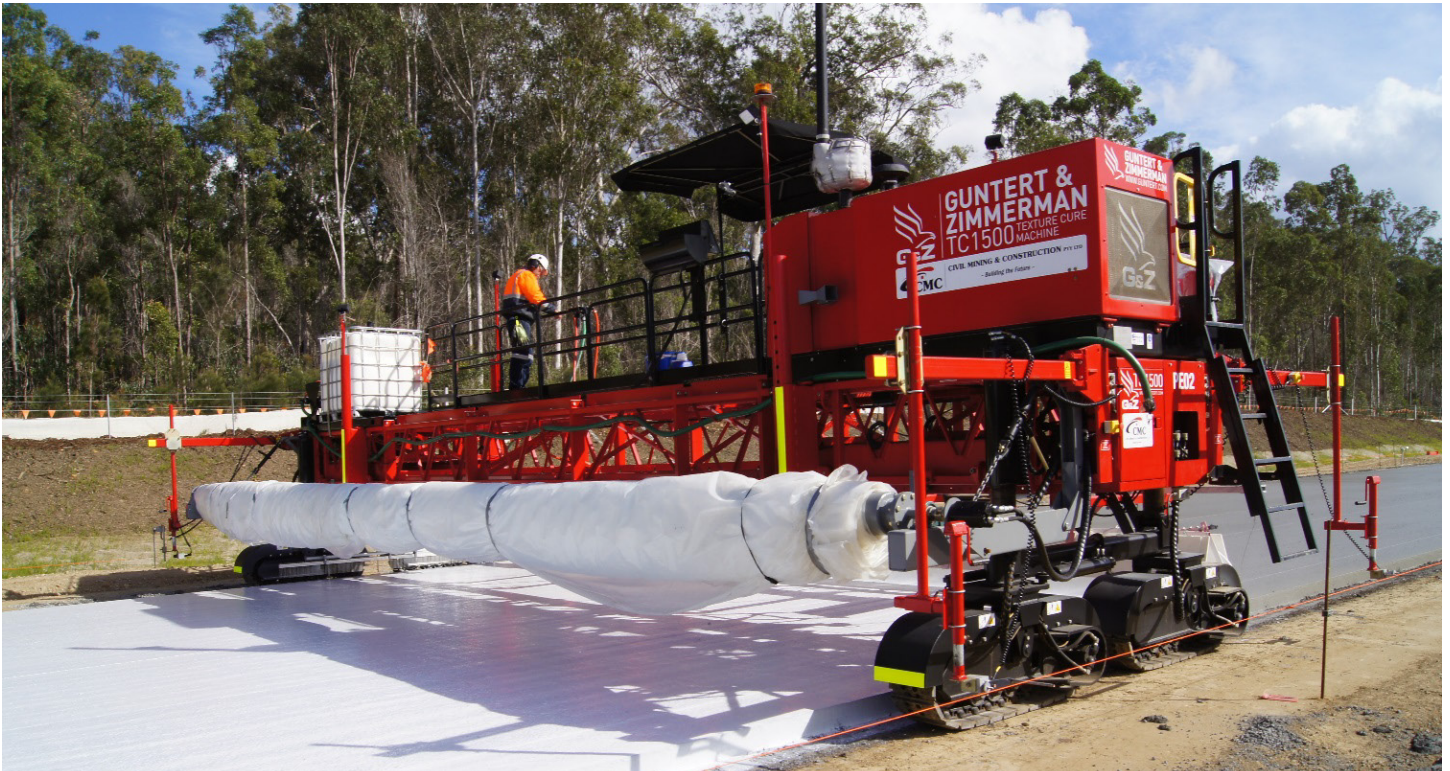
A longitudinal tining kit mounts to the adjustable transverse tine cart track located on the lower cord of the main frame. Standard tine rakes sections are clamped to a support pipe that can be hydraulically raised and lowered by the operator. Longitudinal tining and curing can be done concurrently. Because of the superior steering ability of the G&Z's TC1500, the longitudinal tining system delivers straight, uniformly spaced grooves.

BURLAP / ASTROTURF DRAG (OPTIONAL)



The Burlap / Astroturf Drag attachment can be supplied complete with low pressure water system. The tow arms raise / lower hydraulically and fold in for transport. A low pressure water system includes a 60 Gal. (227L) polyurethane water tank complete with 12V DC electric water pump, hosing, water strainer, and PVC spray bar with fogging nozzles. As an option, high pressure water system with up to a 2000 psi (0-13.8 MPa) working pressure, is available with 50 ft.(15.24 m) hose and single spray wand.

POLYETHYLENE PAPER DISPENSER (OPTIONAL)



Polyethylene Paper Dispenser (Poly-Roll) can be supplied to protect the slab from rain. The support arms off main frame are equipped with adjustable turnbuckle to adjust height. The arms hinge up for transport. The spool with polypaper is hydraulic motor powered for fast lay down and pick up of the polyurethane paper. The TC1500 can hold up to 500 ft. (152 m) of polypaper on the spool depending on the width of the slab.

TC1500 SPECIFICATIONS

APPLICATIONS	Texture and Cure of Concrete Slabs
MINIMUM WORKING WIDTH	12ft (3.5 m)
MAXIMUM WORKING WIDTH	56ft (17 m)
TRANSPORT DIMENSIONS BASE MACHINE 26' (8M)	Transport Length - Working Width + 7' - 6 9/16" (2.3 m) Transport Width - 9'-1 1/2" (2.78 m) Transport Height - 10'-3/4" (3.07 m)
OPERATING WEIGHT BASIC MACHINE 26' (8M)	25,000 lbs (11,340 kg)
ENGINE / FUEL TANK	4 Cylinder CAT C3.4B Diesel Engine US Federal Tier 4f IOPU / EU Stage IV ("C" Rating) Horsepower @ 2,100 RPM: 74hp (55kW) Diesel Fuel Tank 40 U.S. Gallons (151L) - 4 Cylinder Cummins C3.3 Diesel Engine US Federal Tier 3 / EU Stage IIIA Horsepower @ 2,100 RPM: 110hp (82kW) Diesel Fuel Tank 40 U.S. Gallons (151L)
HYDRAULIC TANK	50 U.S. Gallons (189L)
WATER TANK	60 U.S. Gallons (226L) with 40 psi (4.1 MPa) low pressure water system 60 U.S. Gallons (226L) with 2000 psi (13.8 MPa) high pressure water system
CRAWLER TRACKS	12" (300 mm) wide x 41" (1.04 m) center to center Working Speed: 0 - 150fpm (0 - 45 m/min)

Note: All the above data is approximate and is subject to change without notice.



TC1500 OPTIONS

- ◆ 12V DC electric winch system on main frame to quickly raise and lower cure hood and rear walkway
- ◆ 12V DC Night Lighting System with 4 ea. LED Lamps with telescopic support pipes
- ◆ High Pressure Water System
- ◆ Telescopic walkway and supports off the front of the machine frame
- ◆ Bitumen application system complete with separate tank, pump, spray bar and windshield
- ◆ Skewed Tining Kit
- ◆ Transverse spray application system with cure spray bar and windshield mounted off tine carts in lieu of the longitudinal spray application system
- ◆ Cure Tank Platform Extension for extra cure tank or poly water tank
- ◆ Polyurethane Track Pads on Crawler Tracks in lieu of standard triple grouser track pads
- ◆ Special 9 in. (228 mm) wide urethane covered grousers and rail with split master link to allow travel on companion lane track line next to K-rail / temporary barrier wall of only 12 in. (300 mm)
- ◆ EGON Telematic System
- ◆ Operator's Canopy
- ◆ Steel Cure Tank with agitator



G&Z'S SLIPFORM PAVING EQUIPMENT LINE

CONCRETE SLIPFORM PAVERS



S400

6.5 - 24.5ft (2 - 7.5m)



S600

8 - 34ft (2.5 - 10.36m)



S850 (QB OR SL)

12 - 41ft (3.65 - 12.5m)



S1500

18 - 52.5ft (5.5 - 16m)

CONCRETE SLIPFORM PAVING SUPPORT EQUIPMENT



DBI

Dowel Bar Inserter



MP550

Material Placer



PS1200 PLACER SPREADER

18 - 41ft (5.5 - 12.5m)



TC1500 TEXTURE CURE MACHINE

12 - 56ft (3.5 - 17m)

WORLD CLASS EQUIPMENT WITHOUT EQUAL

G&Z's Concrete Paving machines are the most trusted in the industry. In 1956, G&Z pioneered and introduced the first concrete highway and airport slipform paver mounted on crawler tracks with automatic line and grade control. Today, G&Z offers a wide range of concrete slipform paver models along with other support equipment, such as mechanical Dowel Bar Inserters, Placer Spreaders, Material Placers and Texture Cure Machines, to suit contractor's present and future needs.

G&Z equipment designs are based on over 75 years of experience; designed and built to last under the rigors of job site use, transport, and configuration changes. G&Z strives to design paving equipment for what people do with it...not what they should do with it! Unique productivity features are incorporated in each machine design to reduce the time required to transport, maneuver, and change paving widths without sacrificing the performance advantages contractors have come to expect from G&Z.

PROUDLY MADE IN THE USA...



Guntert & Zimmerman Const. Div., Inc.
222 E. Fourth St. Ripon, CA 95366 U.S.A.
Phone +1 209-599-0066 Fax +1 209-599-2021
Toll Free 800-733-2912 (USA / Canada)
Email: gz@guntert.com Web: www.guntert.com



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