

TS-AL110 Truck Series

Custom built striper



Note: This picture is representative of the TS-AL110 only. It may show optional equipment not included in our base model.

BASE UNIT

- Aluminum deck with-canopy, removable aluminum fenders, LED platform lighting, (2) LED white/red canopy lights, palletized frame to support main components
- (2) 10# fire extinguishers
- (2) Bostrom air ride HB seats
- Municipal type gun carriages mounted in front or behind rear axle
- (2) paint & (2) bead guns left gun carriage
- (1) paint & (1) bead guns right gun carriage
- Mechanical air lift line guide with caster
- Drum holder for (2) 55 gal. drums
- Paint re-circulation
- Y strainer type LP paint filters at inlet of HP paint pumps
- (2) Titan/Speedflo Model 415-315 HP paint pumps
- (2) ARO HP paint filters
- (3) Graco Model 238-377 paint guns
- 750# bead tank with 2" sight glasses
- (3) Graco Model 238-338 bead guns
- 30 cfm belt driven piston air compressor

- Air system-12-gallon air tank, LaMan 107F extractor/dryer with auto drain, (2) air take off's-(1) at each gun carriage
- Honda GX690 23 hp gas auxiliary engine with separate battery; controls @ engine
- 7-gallon CARB compliant fuel tank
- Pressure compensated hydraulic pump belt driven
- Hydraulic system-12-gallon hydraulic oil reservoir, (2) steering sectors, HP pumps manually controlled, easy start hydraulic by-pass.
- Chassis cab control console
- Electric power control box-Hoffman electrical box
- (1) Model SC-12 controller with wiring at each operator position
- David Clark intercom system-(3) station with (3) headsets with storage hooks
- Whelen LED safety light system-(4) L41AP forward & rear; (2) LINV2A for carriages-(1) each carriage
- (3) electric paint actuators for paint guns
- Whelen TAC8 LED arrow stick
- Pre-construction Meeting at customer's facility or via video conference
- Factory Pre-delivery Inspection Meeting for (2) customer's employees
- (3) days of training
- (2) operations/maintenance manuals
- 120 days ARC delivery

Published Options for EZ Liner Model TS-AL110

- Air Hose Reel w/ 25' Hose
- Vacuum bead loading system using customer's shop air compressor to include 12' load hose with load tube & new 55-gallon drum with bag splitter/screen
- EZ Carriage Control System ILO base
- Additional paint & bead line with Graco paint gun & Graco bead gun with actuator for paint gun
- Graco hand Flex gun with hose reel & 25' HP hose
- 220-gallon stainless steel paint tank (120 gallons each color) with (2) hydraulic powered paint agitators
- 120-gallon stainless steel paint tank (60 gallons each color) with (2) hydraulic powered paint agitators
- 1 1/2" LP SS Diaphragm Pump for paint loading, each
- 25-gallon poly flush tank with 12vDC pump with quick disconnect at each gun carriage & spray wand with 25' hose
- Skip-Line, Inc. digital speedometer installed in chassis cab
- Gallon counts-price each per color
- Work light system-(8) 1000 lumen LED lights for illuminating gun carriages, deck, pumps & front guide
- Model 1020 F-4 31"x75" Two 10" lines of 8 characters per line full matrix LED message board actuated with controller in chassis cab ILO base TAC8 Arrow Stick
- Camera guidance system with 36" electric camera extension, 10.4" LCD color monitor, (2) Color cameras & dual line digital cross hair generator
- Model GL3000-P remotely positioned guidance laser mounted on roof bracket
- Model GL3000-PM manually positioned guidance laser
- 3'x6' LED 25 lamp arrow board ILO base TAC8 Arrow Stick
- Deduct for mechanical line guide
- Aluminum toolbox
- TS-AL110 recommended spare parts kit

H-GAC SM10-20 SPECIFICATIONS FOR
EZ LINER MODEL TS-AL110 BASE UNIT

Product Code #18C

4/22/2020

- 1.0 **Performance specification:** Unit shall be capable of applying 3" to 8" wide retro-reflective lines with spacing between lines from 0" to 6". Paint applications speeds shall be from 4 MPH to 10 MPH. Application rates of 12 mil to 15 mil wet film thickness paint for standard formulations of traffic paint and 6 to 8 lbs./gal and Type I glass beads. The unit is designed so that it operates in its own lane of traffic and applies centerline, edge lines and lane lines separately.
- 2.0 **Equipment platform:** The construction shall be of 3/16" thick smooth aluminum deck plate 88" wide x length as required for components with 4" aluminum long sills, 3" aluminum cross members with integrally formed rub rail. Walking area surfaces of platform shall be covered with anti-slip material. A canopy shall be provided above the operator stations. Deck shall be installed on chassis frame rails using 8" to 10" tall steel risers that are bolted to the chassis frame rails and long sills. The railings shall be 42" high with mid rail welded to deck with two (2) 32" high fold up steel ladders with a chrome grab handle each side of ladder openings and rear access. At the operator station the railing shall be 32" high with a mid rail. Steel rear bumper with stair step rear access incorporated into the design with right side hand railing. Removable aluminum rear fenders with aluminum guard forward and to the rear shall be provided. LED platform lighting. Two (2) 10# fire extinguishers and two (2) cup holders shall also be provided. The auxiliary engine and air compressor shall remain their original factory colors. The underside of the deck will be painted the same color as the top of the deck. All coatings shall be lead free. The Unit shall be prime coated with a two-component urethane primer system. The topcoat shall be a two-component polyurethane coating. White is the standard factory paint color. Black powder coating shall be used on brackets, gun carriages and line guide.
- 3.0 **Operator seats:** Two (2) Bostrom air ride high back black vinyl covered seats with seat belts and seat tethers and inside armrest. At the top of the railing at each operator station a black vinyl covered padded armrest 3"x18" shall be provided.
- 4.0 **Gun carriages:** Municipal type gun carriage centerline and edge line carriages mounted in **front of or behind** the rear axle. Each carriage shall be supported by a single outrigger tube retractable structural steel slide with UHMWPE bearing material and a single standard gun carriage tire installed in a center swivel. Carriages shall be supported by auto lock brackets in the transport position and adjustable gun brackets are to be zinc plated. Two (2) paint guns and two (2) bead guns installed on left gun carriage and one (1) paint gun and one (1) bead gun on the right gun carriage.
- 5.0 **Mechanical line guide:** A front mount laterally adjustable line guide with extension 6' to 10' with pneumatic swivel caster and pneumatic lift.
- 6.0 **Paint supply:** A drum storage area shall be provided capable of holding two (2) 55 gal. paint drums securely held in place with a web strap retention system. Paint re-circulation shall be provided. A stand tube shall be supplied for each paint suction hose suction tube.

- 7.0 **High pressure paint pumps:** Two (2) Titan/Speedflo Model 415-315 paint pumps with a combination of leather/UHMWPE packings rated at 8.6 GPM @ 2000 PSI shall be provided. Each pump shall be equipped with an 18 sq. in. high-pressure stainless-steel paint filter with 40 mesh screens, an ASME certified high-pressure stainless-steel surge chamber and check valve.
- 8.0 **Low pressure paint filtration:** Y type strainers shall be installed in the low-pressure plumbing connecting the paint supply to the High-pressure paint pumps. A removable stainless-steel screen shall include approximately 1/8" diameter holes.
- 9.0 **Paint guns:** Three (3) Graco Model 238-377 paint guns with heavy duty reversible spray tips shall be provided. Full length 3/8" ID nylon lined high pressure paint hoses with 3/8" NPT plated female swivel fitting on both ends shall be provided from the surge chambers to the paint guns.
- 10.0 **Bead supply:** A 750# bead tank with three (3) 2" sight glasses shall be provided.
- 11.0 **Bead guns:** Three (3) Graco Model 238-338 bead guns shall be provided. Full length 3/4" ID clear poly-spring bead hoses to be provided from the bead manifold under the bead tank to the bead guns.
- 12.0 **Air supply:** Air supply shall be supplied by a belt driven 30 cfm air compressor. The system shall include a 12-gallon air tank and LaMan 107F extractor/ dryer with auto drain. Two (2) air take off quick disconnect ports shall be provided-one at each gun carriage. A preset regulator shall be provided for carriage down pressure. A liquid filled system air pressure gauge shall be provided at the operators' station along with liquid filled gauges and air pressure regulators for bead tank pressure.
- 13.0 **Auxiliary engine:** A Honda Model GX690 23 hp gas engine shall be provided with controls at the engine. A separate CARB compliant 7-gallon gas tank and battery shall be provided for the Honda gas engine.
- 14.0 **Hydraulic power:** A 12-gallon hydraulic oil reservoir with sight level/temperature gauge, suction screen and return line filter with condition indicator shall be provided along with a belt driven pressure compensated piston type hydraulic pump. Gun carriages shall be positioned using a power steering system with tilt steering wheel with spinner knob at each operator position and 5' hydraulic cylinder for each carriage. A hydraulic by-pass shall allow a no-load start for the auxiliary engine.
- 15.0 **Electrical system:** A chassis cab control console shall be provided in the chassis cab containing the driver's controls for the paint striping body. Each circuit shall be color coded wire and shall have circuit protection. The wiring harnesses between the junction blocks to be protected by protective split loom covering. An LED white/red light with self-contained switch installed above each operator position. The electrical junction blocks and main components of the timer system shall be installed in an above deck weatherproof electrical box.
- 16.0 **Skip line control system:** One (1) Skip-Line, Inc. Model SC-12 Skip Timer shall be provided. Each operator position shall be wired to accept the timer, which can be installed at either

position. Ground speed signal shall be obtained from a heavy duty aluminum wrap installed on the chassis driveshaft.

- 17.0 **Intercom system:** A three position David Clark Model U3800 intercom system shall be provided with a dual headset port at the driver's position and a single port at each operator position. The following headsets shall be provided-one (1) Model H3492 single muff and two (2) H3432 dual muff design. Three (3) headset storage hooks shall be provided.
- 18.0 **Safety lighting:** The following Whelen LED amber strobe lights shall be provided-Four (4) Model L41AP 360° Super-LED beacons, one on each front corner of deck or on a chassis cab roof bracket and one on each corner of the platform at the rear of unit. Two (2) Model LINV2A Super-LED 180° mini strobe lights on gun carriages with one installed on outside edge of each gun carriage.
- 19.0 **Electric actuators:** Three (3) electric gun actuators shall be provided to remotely adjust the height of the paint guns. Control switches shall be provided on each respective Model SC-12 Master Control Box to control the height of the paint guns on each respective gun carriage.
- 20.0 **LED Arrow stick:** 47.75" long, 8 lamp Whelen Model TAC8 with controller in chassis cab.
- 21.0 **Drawings & technical literature:** A complete set of drawings shall be submitted. These drawings shall show the deck layout and weight distributions of the proposed unit. Descriptive literature, technical data and photographs shall be included with proposal.
- 22.0 **Project meetings:** A preconstruction or pre-build meeting will be held at the customer's facility or via video conference with vendor including the cost for involving at least one manufacturer's representative. The proposal shall also include the cost of transportation, lodging, and meals for two (2) customer employees to attend a factory pre-delivery inspection meeting at approximately 85% to 95% completion stage.
- 23.0 **Technical support:** The proposal shall include all costs for the services of a factory technician to provide up to three (3) consecutive days of training to instruct customer personnel in the operation and maintenance of the unit. After the completed truck has been received and accepted by the customer, the training will be scheduled. The customer is responsible for providing the paint and glass beads to be used during the training. Two (2) sets of Operation/Maintenance manuals shall be provided for the paint striping body on flash drives. Chassis manuals to be purchased by customer from their chassis vendor.
- 24.0 **Chassis:** Cab and chassis are not included. Specifications for the customer supplied cab and chassis must be approved by EZ-Liner Engineering prior to purchase to ensure modification costs will not be incurred.
- 25.0 **Delivery:** The estimated delivery time is 120 days ARC (after receipt of chassis). The completed truck may be driven out for delivery or delivered via lowboy trailer. The production schedule along with the time frame for delivery will be discussed and confirmed at time of order.

26.0 Warranty: EZ Liner warrants all equipment manufactured by it and bearing its brand names to be free from defects in material and workmanship at the time of sale by EZ Liner or an authorized distributor. EZ Liner will for a period of twelve months from the date of sale, repair or replace any part of the equipment proven defective. Due to specialty equipment conditions and a limited service and repair network, EZ Liner will reimburse customer at current EZ Liner's shop rate for any labor that can be done by the customer.

EZ-LINER MODEL TS-AL110, Product Code #18C**PAINT STRIPING BODY ONLY**

Item	Description	List Price
18C	TS-AL110 Base Unit	\$ 139,410.00
18C-01-07	Air Hose Reel w/ 25' Hose	\$ 1,310.00
18C-02-01	Vacuum bead load system using shop air	\$ 1,530.00
18C-03-01	EZ Carriage Control System ILO base	\$ 17,400.00
18C-04-01	Add'l paint & bead line with Graco guns, each	\$ 3,580.00
18C-04-02	Flex gun w/hose reel & 25' HP Hose	\$ 1,970.00
18C-04-03	220 gallon SS tank w/agitators ILO Base	\$ 8,170.00
18C-04-04	120 gallon SS tank w/agitators ILO Base	\$ 5,710.00
18C-04-05	1-1/2" LP SS Diaphragm Pump for paint loading, each	\$ 5,460.00
18C-06-01	25 gallon poly flush tank	\$ 1,380.00
18C-07-01	Skip-Line Inc. digital speedometer	\$ 1,320.00
18C-07-02	Gallon counts, per color	\$ 530.00
18C-07-03	Eight light LED Work Light system	\$ 2,360.00
18C-07-04	1020F-4 Message Board ILO base TAC8 Arrow Stick	\$ 14,950.00
18C-07-05	Camera guidance system	\$ 10,080.00
18C-07-06	Laser guidance system	\$ 8,050.00
18C-07-07	3'x6' Arrowboard ILO base TAC8 Arrow Stick	\$ 2,240.00
18C-08-01	Deduct for Mechanical Line Guide	\$ (3,350.00)
18C-08-02	Aluminum toolbox, each	\$ 780.00
18C-10-05	TS-AL110 Base Unit Recommended Spare Parts Kit	\$ 5,090.00
F.O.B. FACTORY. TRAINING INCLUDED. DELIVERY PRICED SEPARATELY.		