

TS-AL500 Truck Series

Custom built striper



Note: This picture is representative of the TS-AL500 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
- (2) 10# fire extinguishers
- (2) Bostrom air ride HB seats
- Heavy Duty type gun carriages with one aircraft style tire installed in a center swivel 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
- Tote draw-(2) 250-gallon totes
- One-inch paint re-circulation
- (2) ARO 2" diaphragm paint load/charge pumps
- (2) 100 sq. in. LP paint filters
- (2) Titan/Speedflo Model 445-345 HP paint pumps
- (2) ARO HP paint filters
- (3) Graco Model 238-377 paint guns
- 3000# bead tank with 2" sight glasses
- Vacuum bead loading

- (3) Graco model 238-338 bead guns
- Boss 85 CFM rotary screw hydraulically driven air compressor with air after cooler
- Air system-12-gallon air tank, LaMan 111F extractor/dryer with auto drain, (2) air take offs-(1) at each gun carriage
- Cummins QSF2.8-74 Tier 4F 74 hp diesel auxiliary engine with battery, fuel from chassis tank
- Auxiliary engine controls at operator station
- Tandem hydraulic pumps piggyback set up direct driven
- Hydraulic system-50-gallon hydraulic oil reservoir, 50 gpm hydraulic oil cooler, (2) steering sectors, HP pumps manually controlled, easy-start hydraulic by-pass valve
- Chassis cab control console
- Mid-size rear operator control console
- (2) Model SC-12 Skip-Line, Inc. controllers
- David Clark intercom system-(3) station with (3) headsets with storage hooks
- Whelen LED safety light system-(4) L41AP forward & rear; (2) LINV2A carriages-(1) each carriage
- (3) electric paint actuators for paint guns with switches on controllers
- 36"x72" LED 25 lamp arrow board actuated
- Pre-construction meeting at customer's facility or via video conference
- Factory Pre-delivery Inspection meeting for (2) customer employees
- (3) days of training
- (2) operations/maintenance manuals
- 120 days ARC delivery

Published Options for EZ Liner Model TS-AL500

- Cummins Model QSF3.8-85 Tier 4 auxiliary engine ILO QSF2.8-74 Tier 4 engine
- Hydraulically driven Boss 125 cfm rotary screw air compressor with air after cooler with properly sized support components ILO hydraulically driven Boss 85 cfm rotary screw air compressor
- Boss Industries Model FT4-210-DUS Tier 4 utility mount rotary screw 210 cfm air compressor with air after cooler with John Deere Tier 4 auxiliary engine & with properly sized support components ILO hydraulically driven Boss 85 cfm rotary screw air compressor with air after cooler & Cummins QSF2.8 Tier 4 auxiliary engine
- Boss Industries Model FT4-250-DUS Tier 4 utility mount rotary screw 250 cfm air compressor with air after cooler with John Deere Tier 4 auxiliary engine with properly sized support components ILO hydraulically driven Boss 85 cfm rotary screw air compressor with air after cooler & Cummins QSF2.8-74 Tier 4 auxiliary engine
- Air jets-on/off control each gun carriage-price each installed
- Electric over hydraulic control for on/off & pressure of high-pressure paint pump ILO manual control-price each installed
- 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
- 500-gallon stainless steel paint tank (250 gallons each color) with (2) hydraulic powered paint agitators ILO tote draw system with paint re-circulation
- One-inch low pressure paint re-circulation-price per color installed
- Additional Titan/Speeflo Model 445-345 high pressure paint pump manually controlled with high pressure paint filter, ASME certified high-pressure paint surge chamber & check valve with inlet filter-price each installed
- Tandem plumbed high-pressure paint pumps on both low-pressure inlets & high-pressure outlets for tandem pump operation for single color painting for increased efficiencies-plumbing price per pair (doesn't include paint pumps)
- Add'l PD20A-FSP-STT 2" LP Pump, Each
- Graco Paint Gun only w/Gun Raiser, Each

- Two color scavenger paint heating system with 35 sq. ft. carbon steel scavenger heat exchanger & (2) 70 sq. ft. paint heat exchangers with stainless steel wetted paint plumbing & controls at operator station
- 25 gallon poly flush tank with 12vDC pump with quick disconnect at each gun carriage & sprayer wand with 25' hose
- Solvent Hose Reel w/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 1030F-4 41"x75" Three 10" lines of 8 characters per line full matrix LED message board actuated with controller in chassis cab ILO 36"x72" LED 25 lamp arrow board actuated with controller in chassis cab
- 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
- Skip-Line, Inc. two color Model DL-12 paint & bead monitoring system with humidity & temperature sensors with one bead tank (paint & bead tanks NOT included)
- Printer for Skip-Line, Inc. monitoring system
- Camera guidance system with Model HDVO-318 video overlay with crosshair generator
- Skip-Line, Inc. Remote Trigger for SC-12, Each
- Deduct for 3'x6' arrow board
- Whelen F4X2AAAA 55" Light Bar
- Weldex Rearview/Backup Camera System
- Gun Raiser for Bead Gun, Each
- GL3000-PM Carriage Laser, Each
- 1020F-4 Message Board ILO Base
- David Clark 3-Headset Wireless Intercom System ILO Base
- Square cornered operator cab with Plexiglas bubble window operator side windows & Red DOT 39,500 BTU cooling & 48,000 BTU heating headliner unit
- 102" wide HI-VIS operator cab with pocket side windows & Red DOT 39,500 BTU cooling & 48,000 BTU heating headliner unit
- Dual split aircraft style gun carriage tires in separate swivels with pivoting yoke gun carriage with outside tire remotely adjustable from operator's station ILO a single aircraft style gun carriage tire installed in a center single swivel-per gun carriage
- Deduct for mechanical line guide
- Aluminum toolbox
- TS-AL500 recommended spare parts kit

H-GAC SM10-20 SPECIFICATIONS FOR
EZ LINER MODEL TS-AL500 BASE UNIT
Product Code #18A
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 12 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 to operate in its own lane of traffic and shall be able to apply centerline and lane line/edge lines simultaneously. Independent carriage steering systems allow individual adjustment of the gun carriages.
- 2.0 **Equipment platform:** The construction shall be of 3/16" thick smooth aluminum deck plate 96" 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" 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) 42" 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 mud flap with anti-sail bracket to the rear. LED platform lighting. Two (2) 10# fire extinguishers and two (2) cup holders. The auxiliary engine and air compressor shall remain their original factory powder coat 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:** Heavy duty parallel scissors type centerline and edge line carriages **mounted in front of or behind** the rear axle. Each carriage shall be supported by dual tube in tube retractable structural steel slides with UHMWPE bearing material and one aircraft style gun carriage tire installed in a center single 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 tote storage area shall be provided capable of holding two (2) 250 gal. paint totes securely held in place with a web strap retention system. A cutout in the deck shall be supplied at each tote outlet to provide an easy means of hooking up the paint supply hose. A

2" male cam & groove plug shall be provided to attach tote hook up hoses for storage when loading totes. Low pressure paint re-circulation using 1" ID hose back to tote shall be provided.

- 7.0 **Low pressure paint pumps:** Two (2) ARO Model PD20A-FSP-STT 2" paint load/charge pumps with 100 sq. in. filter with 1/8" screen holes. Two 2"x12' load hoses with cam & groove fittings on both ends with 1 1/2"x40" stainless steel pipe load tubes with 90° elbow with cam & groove fitting shall be provided to load paint. Low pressure paint pumps to be used to load paint and to charge the high-pressure paint pumps.
- 8.0 **High pressure paint pumps:** Two (2) Titan/Specflo Model 445-345 stainless-steel paint pumps with a combination of leather/UHMWPE packings rated at 13.0 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.
- 9.0 **Paint guns:** Three (3) Graco Model 238-377 paint guns with heavy duty reversible spray tips shall be provided. Full length 1/2" ID nylon lined high pressure paint hoses with 1/2" NPT stainless steel female swivel fitting on both ends shall be provided from the surge chambers to the paint guns.
- 10.0 **Bead supply:** A 3000# bead tank with three (3) 2" sight glasses shall be provided.
- 11.0 **Vacuum bead loading:** A vacuum bead loading system shall be provided powered by a jet pump with muffler. A 2"x12' load hose with cam & groove fitting on the tank end and 3' suction tube on the other. A splitter/screen shall be installed in the neck of the bead tank to keep foreign objects from entering the bead system. A step measuring 7"x16"x12" tall shall be provided for access to the bead loading valves on the top of the bead tank.
- 12.0 **Bead guns:** Three (3) Graco Model 238-338 bead guns shall be provided. Full length 1"ID clear poly-spring bead hoses to be provided from the bead manifold under the bead tank to the bead guns.
- 13.0 **Air supply:** Air supply shall be supplied by a hydraulically driven Boss Industries Model 80102-AHBI air compressor with air after cooler rated at 85 cfm @ 100 PSI. The system shall include a 12-gallon air tank and LaMan 111F 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 installed in the mid-size control console at the operators' station along with liquid filled gauges and air pressure regulators for bead tank pressure and for the low-pressure paint pumps.
- 14.0 **Auxiliary engine:** A Cummins Model QSF2.8-74 **Tier 4 Final** 74 hp diesel engine with 120-amp alternator shall be provided with controls at rear operator position, fuel drawn from chassis fuel tank using an auxiliary fuel pump and separate battery. The engine shall have a sound attenuation package and vertical exhaust with an approximately 24" extension with rain cap.
- 15.0 **Hydraulic power:** A 50 gallon hydraulic oil reservoir with sight level/temperature gauge, suction screen and return line filter with service indicator and 10 micron cartridge type breather filter shall be provided along with a direct driven pressure compensated piston type

hydraulic pump rated at 23 gpm @ 2000 rpm and a direct driven 3.0 cir gear pump and flow regulator to control hydraulic flow to air compressor motor. A hydraulic oil cooler shall be provided with 12vDC fan controlled with a preset temperature switch. 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 solenoid controlled hydraulic by-pass valve shall be provided to allow a no-load start for the auxiliary engine. High pressure paint pumps shall be manually controlled at each pump.

- 16.0 **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 the mid-size control console.
- 17.0 **Skip line control system:** Two (2) Skip-Line, Inc. Model SC-12 four-line controllers shall be provided. Ground speed signal shall be obtained from a heavy-duty aluminum wrap installed on the chassis driveshaft.
- 18.0 **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.
- 19.0 **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 rear corner of unit and two (2) Model LINV2A Super-LED 180° mini strobe lights on gun carriages with one installed on outside edge of each gun carriage.
- 20.0 **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.
- 21.0 **LED Arrow board:** Actuated 36"x72" LED 25 lamp with controller in chassis cab.
- 22.0 **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.
- 23.0 **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.
- 24.0 **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.

25.0 **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.

26.0 **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 the factory pre-delivery inspection meeting will be discussed and confirmed at the preconstruction meeting.

27.0 **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-AL500, Product Code #18A**PAINT STRIPING BODY ONLY**

Item	Description	List Price
18A	TS-AL500 Base Unit	\$ 235,870.00
18A-01-01	Cummins QSF3.8-85 Tier 4 ILO Base	\$ 19,460.00
18A-01-02	Boss 125 cfm ILO Base	\$ 3,320.00
18A-01-03	Boss 210DUS w/JD Tier 4 ILO Base	\$ 7,190.00
18A-01-04	Boss 250UDUS w/JD Tier 4 ILO Base	\$ 8,660.00
18A-01-05	Air Jets, each	\$ 720.00
18A-01-06	Boss Ind. 80201-AHBI 185 cfm ILO Base	\$ 4,040.00
18A-01-07	Air Hose Reel w/25' Hose	\$ 1,310.00
18A-03-01	EZ-Carriage Control® System ILO Base	\$ 17,400.00
18A-03-02	Electric over hyd control ILO Base, each	\$ 1,770.00
18A-04-01	Add'l paint & bead line with Graco guns, each	\$ 3,580.00
18A-04-02	Flex gun w/hose reel & 25' HP Hose	\$ 1,970.00
18A-04-03	500 gallon SS tank w/agitators ILO Base	\$ 11,340.00
18A-04-04	1" LP Paint re-circulation, per color	\$ 1,430.00
18A-04-05	Add'l 445-345 HP Pump, each	\$ 11,630.00
18A-04-06	Tandem plumbed HP Paint pumps, per pair	\$ 4,980.00
18A-04-07	Add'l PD20A-FSP-STT 2" LP Pump, Each	\$ 10,060.00
18A-04-08	Graco Paint Gun only w/Gun Raiser, Each	\$ 2,510.00
18A-05-01	Two color scavenger heat system	\$ 20,340.00
18A-06-01	25 gallon poly flush tank	\$ 1,380.00
18A-06-02	Solvent Hose Reel w/25' Hose	\$ 1,310.00
18A-07-01	Skip-Line Inc. digital speedometer	\$ 1,320.00
18A-07-02	Gallon counts, per color	\$ 530.00
18A-07-03	Eight light LED Work Light system	\$ 2,360.00
18A-07-04	1030F-4 Message Board ILO base	\$ 15,420.00
18A-07-05	Camera guidance system	\$ 10,080.00
18A-07-06	Laser guidance system	\$ 8,050.00
18A-07-07	Skip-Line Inc. DL-18 monitor system	\$ 16,570.00
18A-07-08	Printer for Skip-Line, Inc. monitor system	\$ 1,470.00
18A-07-09	Camera guidance system w/HDVO-318 video	\$ 12,310.00
18A-07-10	Skip-Line, Inc. Remote Trigger for SC-12, Each	\$ 890.00
18A-07-11	Deduct for 3'x6' Arrowboard	\$ (4,240.00)
18A-07-12	Whelen F4X2AAAA 55" Light Bar	\$ 3,020.00
18A-07-13	Weldex Rearview/Backup Camera System	\$ 1,730.00
18A-07-14	Gun Raiser for Bead Gun, Each	\$ 770.00
18A-07-15	GL3000-PM Carriage Laser, Each	\$ 3,650.00
18A-07-16	1020F-4 Message Board ILO Base	\$ 13,170.00
18A-07-17	David Clark 3-Headset Wireless Intercom System ILO Base	\$ 6,080.00
18A-08-01	Operator Cab, Aluminum square	\$ 21,340.00
18A-08-02	Operator Cab, Aluminum hi-vis	\$ 20,720.00
18A-08-03	Dual split aircraft style gun carriage ILO Base	\$ 2,520.00
18A-08-04	Deduct for Mechanical Line Guide	\$ (3,350.00)
18A-08-05	Aluminum toolbox, each	\$ 780.00
18A-10-05	TS-AL500 Base Unit Recommended Spare Parts Kit	\$ 6,760.00

F.O.B. FACTORY. TRAINING INCLUDED. DELIVERY PRICED SEPARATELY.