

# PRODUCT GUIDE

# LIGCHINE

## BEYOND LEVEL



ESSENTIAL EQUIPMENT FOR EVERY JOBSITE

[LIGCHINE.COM](http://LIGCHINE.COM)

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# LIGCHINE

## ABOUT

Since its founding in 2007, Ligchine® has rapidly expanded its position in the market and offers a full line of automated concrete screeding machines that service flatwork companies from small owner-operated companies to large global concrete contractors. The company's headquarters, engineering and manufacturing are in the United States. In addition to a direct sales force in the US, Ligchine has an extensive network of international dealers and partners to serve customers anywhere in the world.

## FAST FACTS

### COMPANY

Ligchine International Corporation

### FOUNDED

2007

### OWNERSHIP

Privately held

### PRODUCT OFFERING

Laser-guided concrete screeding machines

### PRIMARY OFFICES

Darien, WI USA

Floyds Knobs, IN USA



### DISTRIBUTION

Global coverage through direct sales and dealer network

# BEYOND

*Superior leveling performance is where it all starts with Ligchine screeds. But to enable our customers to be more competitive and profitable in a tight construction labor market, we must go further.*

*We must go  
BEYOND LEVEL*

### SUPERIOR LEVEL PERFORMANCE

Ligchine screeds deliver industry leading Floor Flatness ( $F_p$ ) and Floor Levelness ( $F_l$ ) results.

### SIGNIFICANT LABOR SAVINGS

Ligchine screeds dramatically reduce dependence on labor, which is often in short supply. A laser-guided concrete screed will help contractors perform more efficiently and profitably by being able to produce and deliver a flatter, level floor. Because of how fast these machines can get the job done, contractors will save money by using a smaller crew.

### EFFICIENT OPERATION

Ligchine screeds meet the productivity demands of commercial operations. With maximum coverage per pass and simple, quick movement to the next pass we deliver high screed rates per hour – so you can get the job done and move on to the next one.



# LEVEL™

## **EASY TO USE**

Ligchine screeds are designed with the operator in mind. Controls are intuitive, allowing operators to quickly become proficient for maximum performance and productivity.

## **COMPACT AND MANEUVERABLE**

Ligchine screeds are developed for real world use. From our smallest to our largest machine, they are engineered to be as compact and maneuverable as possible. Users of these machines say not only does this improve operation on the jobsite, but it also simplifies loading and transport.

## **HIGH RELIABILITY**

Ligchine screeds are engineered to keep you up and running consistently. Downtime, whether planned or unplanned, can have a significant impact on your operations. High reliability and easy-to-perform maintenance are core factors in machine development, from our design concepts to component selection.

## **24/7 SERVICE AND SUPPORT**

Ligchine screeds are backed by a global network of experienced service and support professionals. You've got a job to do – and we are ready to help whenever you need us with 24/7 availability for parts, service, advice or anything else you need to keep your machines operating at peak performance.

## **HISTORY OF FIRSTS**

By designing for constant innovation, Ligchine has led the industry with the most advanced concrete laser-guided screed machines, including the first:

- Wireless remote-controlled screed machine
- Full range of boom-operated screeds to fit every need
- Screed head mounted spray bar system to apply retarders or hardeners while screeding
- Boom machine that can be transported with an economical sized truck and utility trailer
- Boom machine with a screed head that can be changed out in minutes instead of hours
- Boom screed light enough to run on heat tubing, rebar and vapor barriers without damage
- With one-touch control that sets vibration, down riggers and auto level system automatically
- Side-shift head allowing easy maneuvering around stick-ups



**“LIGCHINE IS A GLOBAL LEADER IN LASER-GUIDED AND 3D LPS-GUIDED CONCRETE SCREEDS.”**

# **L** PRODUCT PORTFOLIO

The Ligchine product portfolio is comprised of a full line of high-performance boom-operated screeds, the E-Z Placer concrete placer and line dragger, the E-Z Grader for precision grading and The Original Power Buggies—delivering complete solutions for any jobsite.

## **SCREEDSAVER® BOOM-OPERATED SCREEDS**

Ligchine offers a full line of high-performance boom-operated screeds to address the requirements for commercial concrete flatwork. Our broad range of machines ensures the optimal combination of performance and value for every customer, from small owner/operators to large global construction companies.

## **E-Z PLACER™ CONCRETE PLACER**

The E-Z PLACER provides a portable, easy to operate, agile solution for efficiently and safely placing concrete in line pump applications. The E-Z PLACER is a self-propelled, remote operated concrete placer and line dragger in a single, easy to transport unit.



## **INNOVATIVE LASER-GUIDED CONCRETE SCREEDS**

Ligchine offers a full line of innovative boom-operated laser-guided concrete screeds, specifically developed to meet the challenges of specification-driven commercial flatwork. Our customers are concrete flatwork contractors of all sizes performing work that demands first-rate Floor Flatness (FF) and Floor Levelness (FL) results.

## E-Z GRADER® GRADING ATTACHMENT

The E-Z Grader is a multifaceted attachment designed to deliver precise grading across a wide range of projects with the ability to grade in both 2D and 3D. It's fully compatible with all leading skid steer brands. The E-Z Grader features a built-in roller compactor, retractable ripper shanks, and deployable wings for enhanced performance.

## POWER BUGGIES MATERIAL MOVERS

Known for its durability and versatility, the Original Power Buggy is a proven ride-on material mover designed for efficiency in tight jobsite conditions. With multiple model options, high-capacity hauling, smooth simultaneous dump-and-drive operation, intuitive controls, and exceptional traction, it delivers reliable performance for moving concrete, stone, mulch, and more—reinforcing Ligchine's dedication to providing industry-leading solutions for concrete professionals.



## CUSTOMER-DRIVEN DEVELOPMENT

At Ligchine, listening to our customers is at the core of our business and they play a vital role in helping shape our products and services to support their performance and business challenges. Our approach of listening to customers has led to a continual flow of industry leading technology advancements and innovations.

## PARTNERSHIPS FOR INNOVATION

To drive the speed of innovations, Ligchine has partnered with leading providers of the components, systems and technologies that go into our screeds. These close relationships bring the best minds together and allow Ligchine to deliver advanced new capabilities at a rapid pace.

# LEVELING SYSTEMS

Ligchine™ has partnered with both Topcon® and FAMC (Leica®) 3D Positioning Systems to provide the world's most advanced systems to accurately place concrete on grade, slope, dual slope and 3D contours – and deliver significant labor savings.

We offer turn key solutions from low-cost, entry level systems for the contractor just getting started, to total site management of earth moving machines and concrete machines simultaneously from one system.

You also receive the full technical service support of world-class organizations working together to ensure optimal performance of your system.

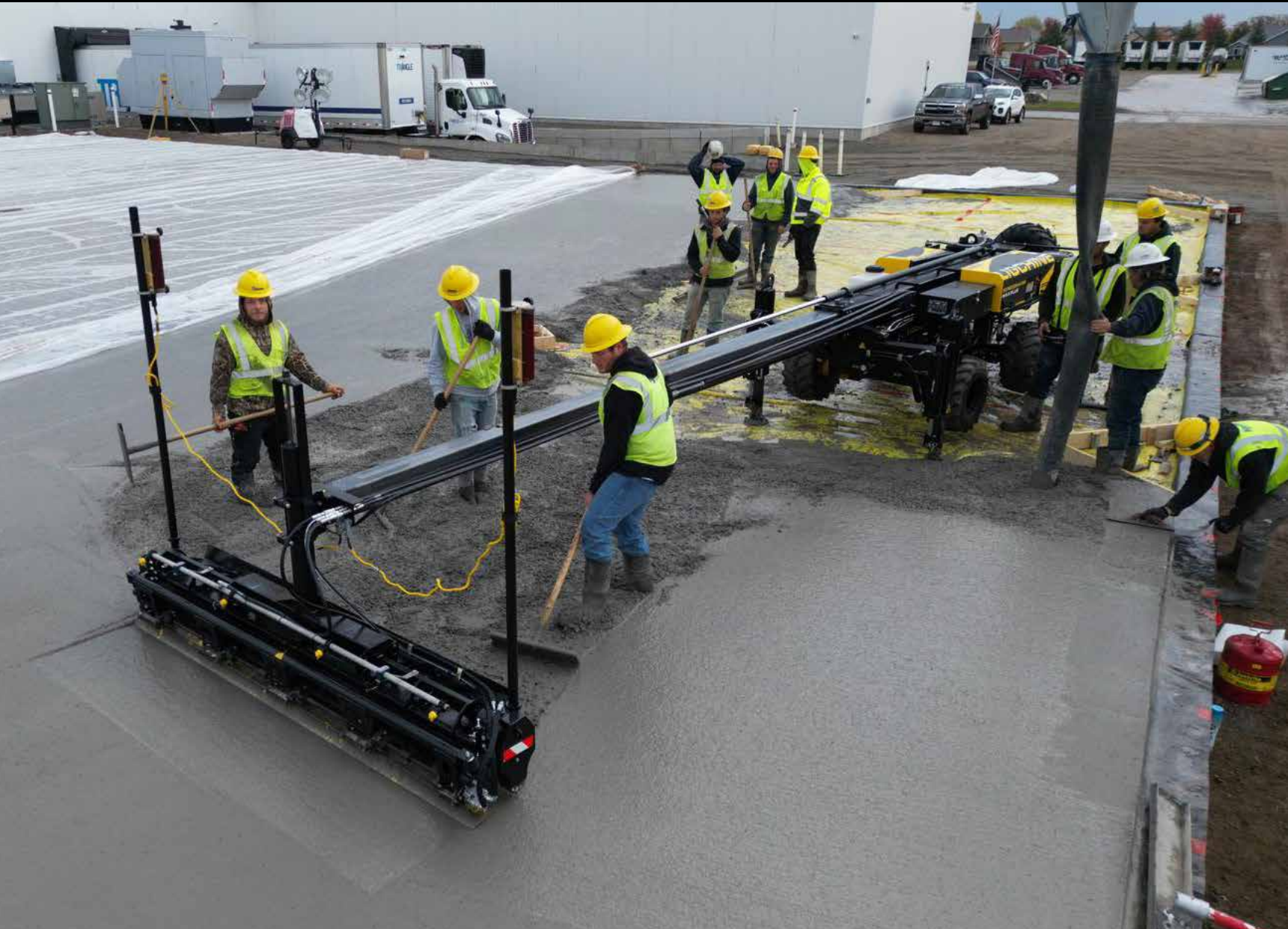


## 3D LPS PAVING SYSTEM

The Ligchine 3D LPS paving system provides a cost-effective entry point for LPS (local positioning system) control for concrete paving. The system utilizes an automatic tracking Robotic Total Station to register and maintain screed position from a machine mounted prism and sonic tracker. Height adjustments are transmitted to and from the screed 20 times per second to maintain accurate specifications on the jobsite.

- Lowest cost entry point for a 3D paving system
- World-class accuracy
- Supports high-volume production
- Operates indoors, outdoors and in areas with obstructed mmGPS satellite reception
- Open architecture system

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BEYOND LEVEL



# 100% MADE IN THE USA

Ligchine machines are proudly designed and built in the USA at our state-of-the-art facility in Darien, Wisconsin.



## CONTACT US TODAY!

1-812-903-4500  
Sales@Ligchine.com  
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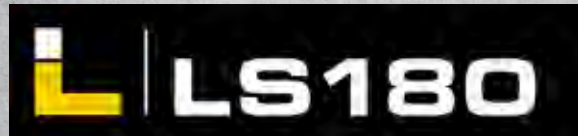
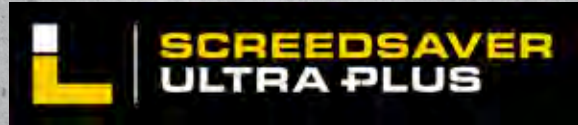
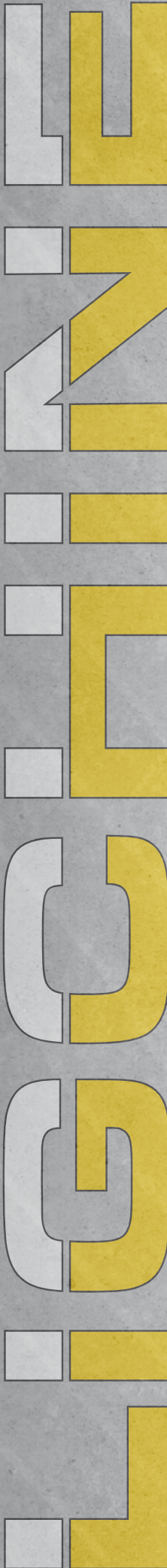
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# LIGCHINE

## SCREEDSAVER® PRO PLUS



# SCREEDSAVER PRO PLUS

Introducing the Ligchine SCREEDSAVER® PRO PLUS. The PRO PLUS is the culmination of 15 years of experience building laser-guided screeds. Taking advantage of frame leveling technology that makes achieving FF/FL specifications not only possible but repeatable on a daily basis. The PRO PLUS has SCREEDSHIFT™ technology that was first developed on the MAX PLUS allowing the operator to move the screed head around obstacles and penetrations without rotating the head. The PRO PLUS also utilizes a rotating undercarriage for versatility and speed when operating in smaller or congested areas. With an increased auger size, longer boom reach and wider head, the PRO PLUS is highly productive in all applications from warehouse floors to exterior multiple slope pavements. All these features are achieved while keeping the size and weight of the machine compact, providing the ability to transport the machine with a ¾ ton truck and trailer.

**Key Features:**

The PRO PLUS includes our standard features of wireless remote control, fully automatic operation, 3D control.

**Screed Head Length:**

Completely automatic laser-guided leveling auger high performance 11' (3.4 m) screed head is standard. Boom extension of 18' (5.5 m) results in screed rates up to 200 sq.ft. (18.6 m<sup>2</sup>) per screed pass.

**Engine:**

Yanmar 3TNV88C-DSA 36.9 HP (27.5 kW) diesel engine

**Lighting System:**

Bright LED lighting system.

**Diagnostic Display:**

Readily accessible Parker touch-screen display with full diagnostics capability.

# LIGCHINE

## SCREEDSAVER PRO PLUS



<b>Engine Size</b>	Yanmar 3TNV88C-DSA 36.9 HP (27.5 kW) Diesel
<b>Machine Size (retracted)</b>	W-5' 10" (1.8 m) x L-16' (4.9 m) x H-8' (2.4 m)
<b>Machine Weight</b>	9,180 lbs. (4,164 kg) + screed head
<b>Steering System (hydraulic)</b>	2 Wheel
<b>Drive System (hydraulic)</b>	2-Wheel Proportional Drive
<b>Parallel to the Pour Driving Capable</b>	Yes – 360 degree drive frames (zero turn capable)
<b>Zero-Turn Drive System</b>	Yes
<b>Machine Operation Control</b>	Scanreco Wireless Remote Control
<b>Coverage per screed pass (no overlap)</b>	200 sq. ft. (18.6 m <sup>2</sup> )
<b>Standard Screed Head Width</b>	11' (3.4 m) High Performance
<b>Boom Reach</b>	18' (5.5 m)
<b>Self-contained Concrete Additive Sprayer System</b>	Standard (automatic activation)
<b>Diagnostics (hydraulic, electrical, engine and laser)</b>	Standard – Parker MD4, 7" touch-screen color display
<b>Transport with Pickup Truck and Trailer</b>	Yes
<b>Trailer Mode Length</b>	23' (7.0 m)
<b>Grade/Slope/Dual Slope control (standard)</b>	Topcon® LS-B200W Receivers (included)
<b>Contoured Slope 3D Capable (optional)</b>	Topcon® 3D or Leica® 3D

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## SCREEDSAVER® ULTRA PLUS



# SCREEDSAVER ULTRA PLUS

Introducing the Ligchine SCREEDSAVER® ULTRA PLUS. Born with a long reach and a wide pass, this machine is built to screed more and screed faster. Complete with an ultra heavy-duty boom reaching 20 feet with a 11' High Performance Head or the optional 12.5' High Performance screed head. Powering the ULTRA PLUS is a 45 horsepower Kubota turbocharged diesel engine. For increased maneuverability and traction, the ULTRA PLUS includes all wheel drive with a 2-speed drive range, and two-wheel independent steering. The ULTRA PLUS features a high-tech elevated operator's platform, including a captain's seat, twin joystick controls, and a 7" touchscreen control panel- which also serves as a display for the industry-first SCREEDVIEW™ camera system. On board you will find a built in pressure washer for clean-up, two locking toolboxes, and two high-capacity water tanks.

**Key Features:** The SCREEDSAVER ULTRA PLUS includes a 11' High Performance screed head, SCREEDSHIFT™ pivoting frame technology, 4 camera SCREEDVIEW™ system, Ligchine Gen 2 Wireless control, and an on-board pressure washer.

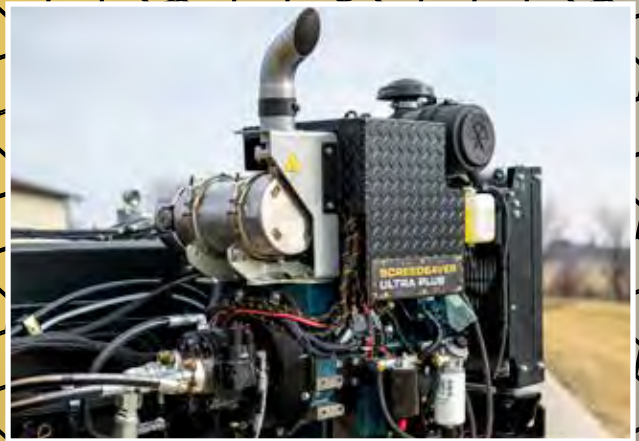
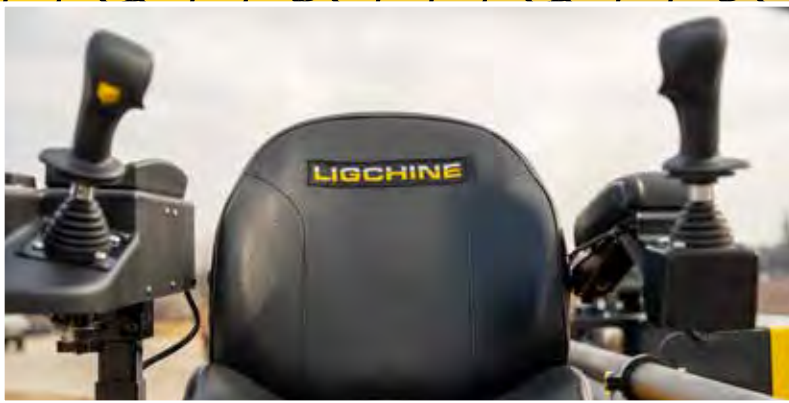
**Drive:** All wheel drive.

**Engine:** Kubota V1505T, 4-cylinder, turbocharged diesel engine.

**Lighting System:** Front and rear LED pods.

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## SCREEDSAVER ULTRA PLUS



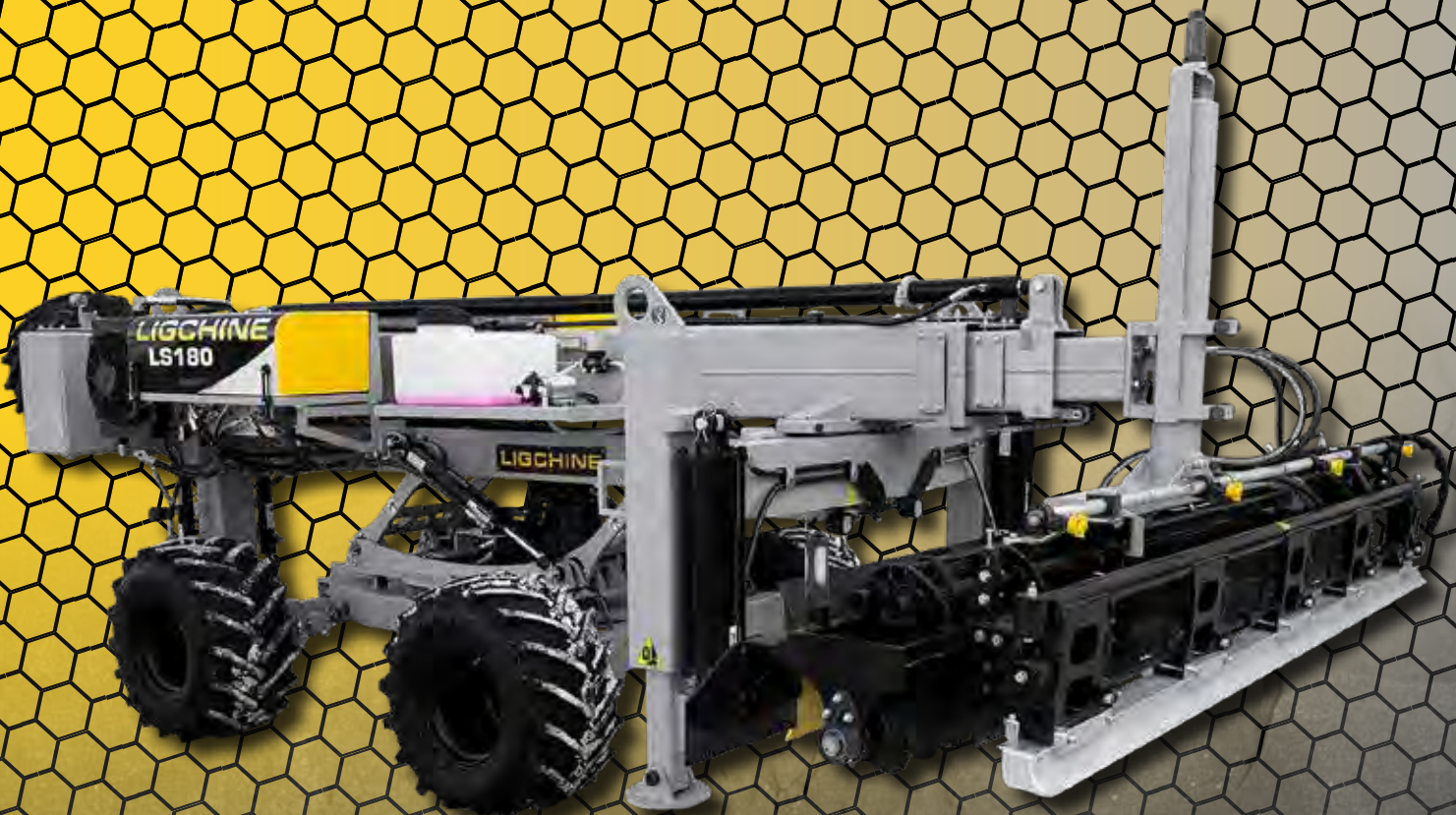
<b>Engine Size</b>	Kubota V1505T, 4-cylinder / 3,000 rpm, Turbo-Diesel
<b>Machine Size (retracted)</b>	W-8' 4" (2.5 m) x L-18' 8" (5.7 m) H-7' 2" (2.2 m)
<b>Machine Weight</b>	11,500 lbs. (5,216 kg)
<b>Steering System (hydraulic)</b>	Two Wheel
<b>Drive System (hydraulic)</b>	All Wheel Drive
<b>Parallel to the Pour Driving Capable</b>	Yes – 360 degree drive frames (zero turn capable)
<b>Lighting System</b>	2 forward and 2 rear LED light pods
<b>Machine Operation Control</b>	Operator's Platform with Twin Joystick control or 100% Wireless Remote Control
<b>Coverage per screed pass (no overlap)</b>	220 sq ft (20.4 sq m)
<b>SCREEDSHIFT™ range of motion</b>	12 degrees total motion: 6 degrees left and right
<b>Boom Reach</b>	20' (6.1 m)
<b>Self-contained Concrete Additive Sprayer System</b>	Standard
<b>Diagnostics (hydraulic, electrical, engine and laser)</b>	Dual Parker MD4, 7" touch-screen color display
<b>Machine Length When in Trailer Mode</b>	26' 9" (8.1 m)
<b>Grade/Slope/Dual Slope control (standard)</b>	Topcon® LS-B200W Receivers (included)
<b>Contoured Slope 3D Capable (optional)</b>	Topcon® 3D or Leica® 3D



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## LS180



Based off the successful SCREEDSAVER® MAX PLUS platform, the REVAMPED LS180 still offers features such as a built-in diagnostic touchscreen, revolutionary SCREEDSHIFT™ pivoting frame, Topcon® laser receivers, a totally revised wireless remote control system, and a feature packed, quiet Honda gasoline engine. This machine now utilizes a rotating undercarriage for versatility and speed when operating in smaller or congested areas.

**Screed Coverage:** The LS180 offers 18' (5.49 m) of boom extension with a 9' (2.7 m) High Performance head.

**Engine:** Honda iGX800 - electronic fuel injection, air cooled, four stroke, 24.9 HP (18.5 kW).

**Drive System:** 2 wheel proportional drive with wireless remote control.

**SCREEDSHIFT™ Pivoting Frame:** Up to 5'3" (1.6 m) of side-to-side screed head movement with a pivoting boom member.

**Grade/Slope/Dual Slope Control:** Topcon® LS-B200W (included).

**Ease of Transport:** The LS180 can be towed with pickup truck and trailer and pass through 6' door openings.

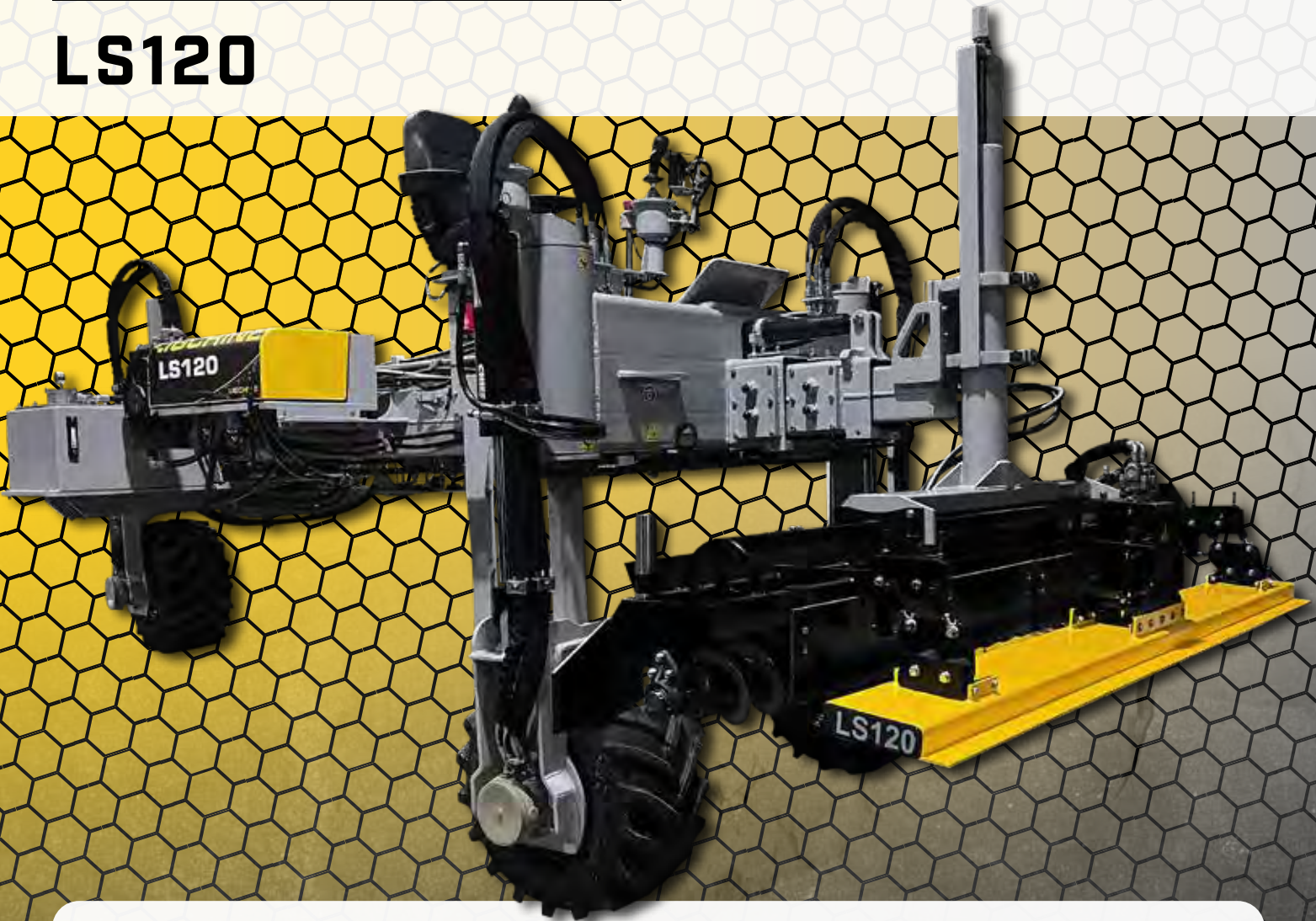
## LS180

<b>Engine Size</b>	Honda iGX800 - 24.9HP (18.5kW) - Fuel Injected V-Twin
<b>Machine Size (retracted)</b>	W-6' 3" (1.9 m) x L-15' 10" (4.8 m) x H-(top of pivot post)-5' 7" (1.7 m)
<b>Machine Weight</b>	5,390 lbs. (2,445 kg)
<b>Steering System (hydraulic)</b>	2 Wheel Steering
<b>Drive System (hydraulic)</b>	2 Wheel Proportional Drive
<b>Parallel to the Pour Driving Capable</b>	Yes - 360° Undercarriage
<b>Machine Operation Control</b>	Scanreco Wireless Remote Control
<b>Coverage Per Screed Pass (no overlap)</b>	180 sq. ft. (16.7 m <sup>2</sup> )
<b>Screed Head Width</b>	9' (2.7 m)
<b>Boom Reach</b>	18' (5.49 m)
<b>Transport with Pickup Truck and Trailer</b>	Yes
<b>Screed Head Options</b>	10' SCREEDSAVER Head, 9' High Performance Head
<b>Grade/Slope/Dual Slope control (standard)</b>	Topcon® LS-B200W Receivers (included)
<b>Contoured Slope 3D Capable (optional)</b>	Topcon® 3D or Leica® 3D
<b>Extras</b>	Tool Box, LED Lighting, Spray System



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## LS120



Introducing the Ligchine® LS120® - designed to be a more affordable solution for concrete contractors looking to own a laser-guided concrete screed. The LS120 features an 8-foot screed head width, a 16-foot boom reach, and all wheel steering and 3-wheel drive.

**Screed Coverage:** The LS120 offers 16' (4.88 m) of boom extension with an 8' (2.4 m) screed head

**Engine:** Honda IGX800 - 24.9HP (18.5kW) – Fuel Injected V-twin

**Drive System:** All wheel steering, 3 wheel drive.

**Grade/Slope/Dual Slope Control:** Topcon® LS-B200 laser receivers (included)

**Ease of Transport:** The LS120 can be towed with a pickup truck and trailer

# LIGCHINE

## LS120



<b>Engine Size</b>	Honda IGX800 - 24.9HP (18.5kW) - Fuel Injected V-Twin
<b>Machine Size (retracted)</b>	L-16'-8" (5.1 m) x W-6' 9" (2.01 m) x H-7'-2" (2.2 m)
<b>Trailer Mode Length</b>	19'-6" (5.9 m)
<b>Machine Weight</b>	4,640 lbs. (2,105 kg)
<b>Machine Weight w/head</b>	5,000 lbs. (2268 kg)
<b>Steering System (Hydraulic)</b>	All Wheel Steering
<b>Drive System (Hydraulic)</b>	3 Wheel Drive
<b>Parallel to the Pour Driving Capable</b>	Yes
<b>Machine Operation Control</b>	Operator platform with Joystick control
<b>Coverage Per Screed Pass (no overlap)</b>	120 sq. ft. (11.1m <sup>2</sup> )
<b>Standard Screed Head Width</b>	8' (2.4m) High Performance Floating blade
<b>Boom Reach</b>	16'
<b>Diagnostics (Hydraulic, electrical, engine and laser)</b>	Standard - Parker MD4, 7" touch-screen color display
<b>Transport with pickup truck and trailer</b>	Yes
<b>Grade/Slope/Dual Slope control (standard)</b>	Topcon® LS-B200W Receivers (included)
<b>Contoured Slope 3D Capable (Optional)</b>	Topcon® 3D or Leica® 3D



# LIGCHINE

## SCREEDSAVER® ELITE-D



Meet the modified SCREEDSAVER® ELITE-D, the best-selling offering in the Ligchine SCREEDSAVER line of innovative, labor-saving machines. The SCREEDSAVER ELITE-D is loaded with features including front wheel drive with rear wheel assist, heavy-duty boom reaching 18 feet and 33-gallon on-board fluid tank.

**Key Features:**

The SCREEDSAVER ELITE-D includes a 10 foot high performance head, front wheel drive with rear wheel assist and revised remote control system.

**Engine:**

Kubota V1505, 4-cylinder, diesel engine.

**Lighting System:**

Front and rear LED pod lighting.

**Diagnostic Display:**

Readily accessible Parker touch-screen display with full diagnostics capability.

**Transport:**

Ease of transport with a 3/4 ton pickup truck and trailer.

# LIGCHINE

## SCREEDSAVER® ELITE-D



<b>Engine Size</b>	Kubota V1505, 4-cylinder / 3,000 rpm, diesel
<b>Machine Size (retracted)</b>	W-5' 9" (1.79 m) x L-14' 6" (4.45 m) x H-5' 5" (1.67 m)
<b>Machine Weight</b>	6,540 lbs. (Including screed head and full tank)
<b>Steering System (hydraulic)</b>	Front wheel steering
<b>Drive System (hydraulic)</b>	Front wheel drive with rear wheel assist
<b>Parallel to the Pour Driving Capable</b>	Yes – 360 degree drive frames (zero turn capable)
<b>Lighting System</b>	2 forward and 1 rear facing LED light pods
<b>Machine Operation Control</b>	100% Wireless Remote Control
<b>Coverage per screed pass (no overlap)</b>	180 sq. ft. (16.7 sq. m)
<b>Screed Head</b>	10' High Performance
<b>Boom Reach</b>	18' (5.5 m)
<b>Self-contained Concrete Additive Sprayer System</b>	Standard
<b>Diagnostics (hydraulic, electrical, engine and laser)</b>	Standard- Parker MD4, 7" touch-screen color display
<b>Transport with Pickup Truck and Trailer</b>	Yes
<b>Machine Length When in Trailer Mode</b>	23' (7.01 m)
<b>Grade/Slope/Dual Slope control (standard)</b>	Topcon® LS-B200W Receivers (included)
<b>Contoured Slope 3D Capable (optional)</b>	Topcon® 3D or Leica® 3D

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## ST60



Ligchine® is proud to unveil the ST60™, the industry's first laser-guided boom-screed attachment for skid steers. Built to make boom screed technology more accessible than ever, the ST60 pairs seamlessly with all major skid loader brands. It is also compatible with telehandlers, wheel loaders, and most machines featuring a quick-attach plate.

This attachment is ideal for smaller concrete contractors looking to step into laser-guided screeding, as well as for equipment rental companies seeking a versatile, easy-to-use, high-demand attachment.

The ST60 comes standard with LS-B200W laser receivers and is 3D-ready for contoured slopes (optional). It features a 7-1/2 foot boom reach and an 8-foot screed head that uses a roller rather than an auger. The roller design provides increased durability, extends the service life of the screed head, and allows bi-directional screeding.

\*PRE-PRODUCTION MODEL SHOWN, SPECIFICATIONS SUBJECT TO CHANGE

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**MACHINE DETAILS & SPECS**

## ST60

Blending the benefits of drive-in and boom laser-guided screeds, the ST60 features a first-of-its-kind boom design that enables long, continuous concrete pulls. By extending the boom while backing up the skid steer, operators can achieve large-scale concrete screeding with ease.

The ST60 utilizes a wired Cavotec pendant for in-cab or out-of-cab control and supports one- or two-person operation to optimize leveling performance. The attachment is transportable via pickup truck and trailer and incorporates dual caster wheels to maintain accuracy and stability on the subgrade.



Machine Size (retracted)	W-5' 5" (1.7 m) x L-8' 10" (2.7 m) x H-5' 4" (1.6 m)
Machine Weight	2,800 lbs. (1270 kg)
Machine Operation Control	Wired Cavotec Pendant Style
Coverage Per Screed Pass (no overlap)	64 sq. ft. (6 m <sup>2</sup> )
Screed Head Width	8' (2.4 m)
Boom Reach	7'6" (2.2 m)
Transport with Pickup Truck and Trailer	Yes
Grade/Slope/Dual Slope Control (standard)	Topcon® LS-B200W Receivers (included)
Contoured Slope 3D Capable (optional)	Topcon® LPS Robotic



# LIGCHINE

## E-Z PLACER



# E-Z PLACER

The LIGCHINE® E-Z PLACER is a self-propelled concrete placer and line moving system all in a single, portable unit. This all-in-one machine provides industry-leading reach and maneuverability thanks to the 27' of 4" delivery tube, 360° swivel on the main and tip boom sections, and the agile steering system. With a 60" wide footprint and a weight of 4,000 lbs., the LIGCHINE E-Z PLACER provides a compact and versatile package that can efficiently be utilized in most job site applications.

**Key Features:** The E-Z PLACER features a two-section 27' placer boom with 360° coverage, all wheel drive, all in a compact, lightweight 60" wide footprint.

**Engine:** 13 HP Honda GX390, gasoline.

**Control:** Fully remote, single operator. Plus a full set of machine-mounted manual backup controls.

**Drive & Steering:** All-Wheel Drive with agile All-Wheel Steering.

**Delivery Line:** 4" or 5" connection at rear or side.

**Compact Size:** 60" width fits through most commercial doorways.

**Transport:** Easy-to-transport with a 3/4 ton pickup truck and trailer.

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## E-Z PLACER



# LIGCHINE

# E-Z

# PLACER

Engine Size	13 HP Honda GX390, gasoline
Machine Size	W-5' (1.5 m) x L-36' 8" (11.1 m) x H-5' 6" (1.8 m)
Machine Weight	4,000 lbs. (1814kg)
Steering System (hydraulic)	4 Wheel Independent Steering
Drive System (hydraulic)	All Wheel Drive
Overall Placer Boom Reach	27' (8.2m) 360°
Main Boom	16' (5.3 m) Left-Right 360° Swivel
Tip Boom	11' (3.7 m) Continuous 360° Swivel
Machine Operation Control	100% Wireless Remote Control + Manual Backup
Single Operator Control	Yes
Delivery Line	4" (10.2 cm) or 5" (12.7 cm)
Line Pump Connection	4" Rear or Side
Transport with Pickup Truck and Trailer	Yes
Machine Length When in Trailer Mode	27' (8.2 m)



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# **EZ GRADER**



Introducing the ALL-NEW E-Z Grader attachment – effortlessly level your job site using equipment you already have! Achieve precise grading with laser accuracy with the E-Z Grader. It's fully compatible with all leading skid steer brands.

The E-Z Grader features a built-in roller compactor, retractable ripper shanks, and deployable wings for enhanced performance.

The E-Z Grader is a multifaceted attachment designed to deliver precise grading across a wide range of projects. This innovative tool is perfect for various applications, including warehouses, parking lots, athletic fields, and much more!

- ***Universal Skid Steer Mount***
- ***Adjustable Ripper Shanks***
- ***2D Laser Receivers Included***
- ***Removable Laser Poles***
- ***High Flow and Standard Flow Compatible (up to 60 Gallons a Minute)***
- ***3D Ready for Contoured Slopes***

# EZ GRADER



Machine Weight	2450 lbs. (1111 kg)
Overall Height	3 ft 9 in (1.1 m)
Width (Box Mode)	7 ft 9 in (2.4 m)
Width (Wing Mode)	8 ft 8 in (2.6 m)
Length (Back to Front of Blade)	4 ft 4 in (1.3 m)
Compaction Rollers (Double 8" undriven 69" Wide) Standard	Yes
Removable Laser Poles	Yes
Adjustable Ripper Feature (6 Shank Hydraulic Driven) Standard	Yes
3D Ready (Optional)	Yes
Grade/Slope/Dual Slope Control (Standard)	2D Laser Receivers (Included)
High Flow and Standard Flow Compatible (Up to 60 Gallons)	Yes



# LIGCHINE

## THE ORIGINAL POWER BUGGY



Ligchine® is proud to welcome The Original Power Buggy to its product lineup, building on its strong legacy while continuing Ligchine's commitment to innovation, quality, and growth within the construction equipment market. This addition reinforces our dedication to delivering industry-leading solutions to the concrete industry.

The Power Buggy is a quick and versatile ride-on material mover with a proud legacy in the concrete construction industry. Some key features of these machines include:

- Simultaneous dump and drive capability allows for feathering of load in forward and reverse.
- Operator's platform and control system enable comfortable and convenient operation of the machine.
- Power is supplied through a heavy-duty hydraulic pump and two high-efficiency drive motors.
- Clean and straightforward control panel.
- Exceptional traction and control featuring a heavy-duty welded chassis.
- Ideal for moving concrete, stone, mulch, and moving through tight spaces.
- Industry's largest and highest efficiency wheel motors, allowing for higher speeds and more reliable braking.
- Foot-operated dump level allows the operator to keep both hands on the steering wheel.
- Carry material up to 3,200 lbs at speeds of 7.25 mph
- Three power options to choose from: gasoline, propane, or electric-powered.
- Propane PB16LP Benefits
  - Lower Fuel Costs
  - Cleaner Exhaust Emissions
  - Less Carbon Build-Up
  - Extended Engine Life Expectancy
  - Closed Fuel System Inhibits Fuel Contamination
  - Compliant with OSHA, EPA & CARB standards.

### MACHINE DETAILS & SPECS

# LIGCHINE

## THE ORIGINAL POWER BUGGY

MODEL	PB16 / PB16E / PB16LP	IPB21	EPB48-16
Wheelbase	43 in (109.2 cm)	43 in (109.2 cm)	43 in (109.2 cm)
Overall Length	103 in (261.6 cm)	101.5 in (257.8 cm)	111 in (281.9 cm)
Overall Width (Single Wheels)	35.5 in (90.2 cm)	N/A	N/A
Overall Width (Dual Wheels)	47 in (119.4 cm)	47 in (119.4 cm)	46 in (116.8 cm)
Overall Height	53 in (134.6 cm)	56 in (142 cm)	53 in (135 cm)
Maximum Load	2,500 lbs (1,136 kg)	3,200 lbs (1,455 kg)	2,500 lbs (1,136 kg)
Capacity	16 cu ft (453 L)	21 cu ft (595 L)	16 cu ft (453 L)
Discharge Height	3.5 in (8.9 cm)	5 in (12.7 cm)	7.5 in (19 cm)
Hydraulic Oil - Exxon Nuto #H68	11.5 qt (11.0 L)	11.5 qt (11.0 L)	24 qt (22.7 L)
Speed	7.25 mph (11.67 km/h) at 4,000 rpm	7.25 mph (11.67 km/h) at 4,000 rpm	5.6 mph (9.0 km/h)
Drive	Hydrostatic	Hydrostatic	Electric
Brakes	Hydraulically Controlled	Hydraulically Controlled	Electric
Parking Brake	Mechanical	Mechanical	Automatic Electric Mechanical
Dump	Variable Hydraulic	Variable Hydraulic	Electric
Power	Honda GX390 13 hp 13 hp E-start Propane	Vanguard B&S 18 hp	Six 12V Deep Cycle Batteries (48V system) Avg Run 13 mi (loaded)
Drive Tires	5.70 x 8 x 19	5.70 x 8 x 19	5.70 x 8 x 19
Steering Tires	4.80 x 8 x 16	4.80 x 8 x 16	4.80 x 8 x 16
Operating Weight	1,260 lbs (571.5 kg)	1,325 lbs (601 kg) Poly 1,480 lbs (671 kg) Steel	1,675 lbs (760 kg)
Shipping Weight	1,360 lbs (616.9 kg)	1,425 lbs (646 kg) Poly 1,580 lbs (717 kg) Steel	1,775 lbs (805.1 kg)

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