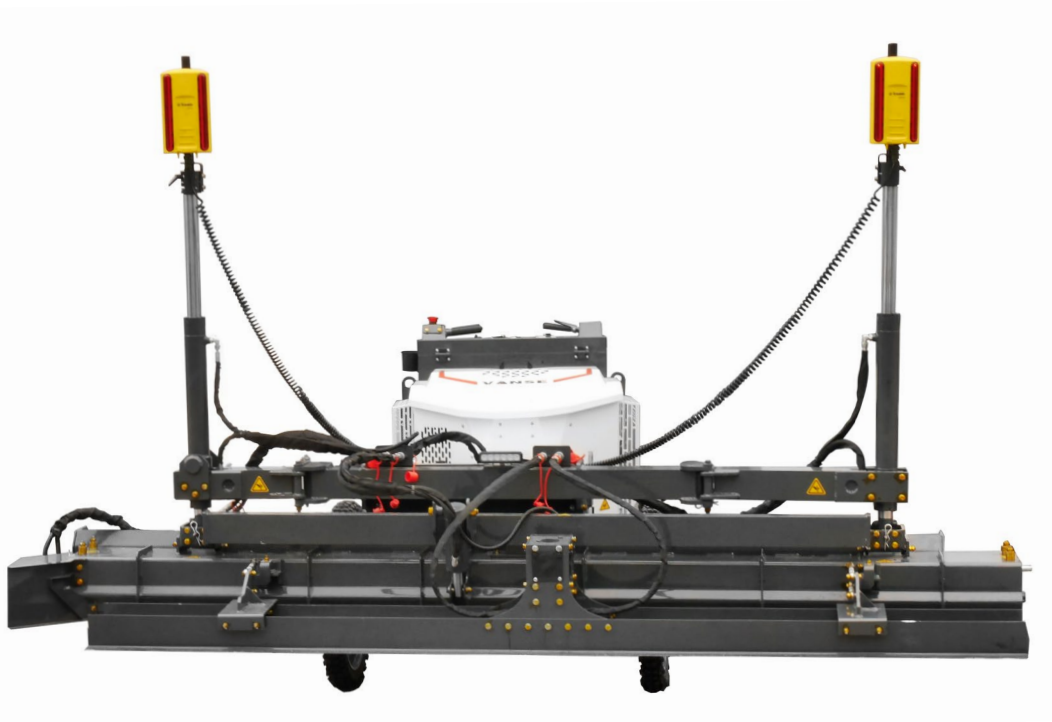


## Product Details of VANSE WS-940C 3.0M RIDE ON SELF LEVELLING CONCRETE LASER LEVELING MACHINE.



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**Engine Type:** Honda GX690

**Characteristic:** Air-Cooled 4 Stroke, 2 Cylinder

**Power:** 18.4KW/25HP

**Fuel:** Petrol

**Paving Thickness:** 50-200mm

**Vibrating System:** Hydraulic Vibration

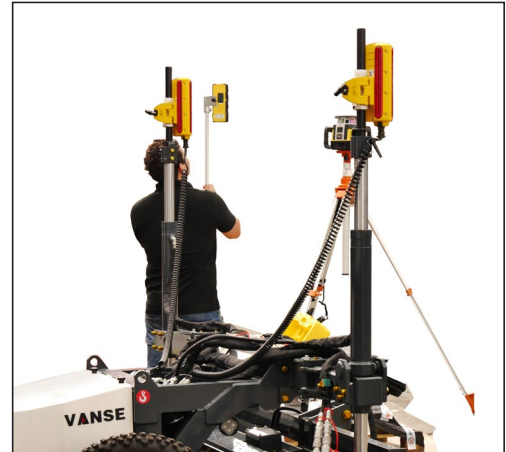
**Excitation Force:** 200-900N

**Vibration Frequency:** 50-60HZ

**Walking Speed:** 2.7 mph

**Mini Turning Radius:** 2300mm

**Steering Angle:** L 40° R 36°



**Dimensions:** 3470mm x 3430mm x 1525mm

11.38ft x 11.25ft x 5ft

**Net Weight:** 835 kgs (1841 lbs )

**Fuel Tank Capacity:** 19L

**Levelling Width:** 3m / 9.84 ft

**Vibration System:** Hydraulic Vibration



### Product Features

Honda engine, reliable and fuel efficient

All aluminium body, lightweight and more convenient for various working conditions

Standard anti-slip system

Hydraulic brake system, equipped with a trailer system

More precise height adjustment rod, fast and precise elevation

Soft landing function

# What comes with the Laser Controlled Screeder?

## Leica Rugby CLA-ctive

The maximum flexibility and the ability to quickly adjust to the job's needs is vital for your projects. With the Leica Rugby CLA, CLH and CLI you can upgrade your lasers to match your application needs.

Base unit - Use it as a simple to operate, one-button horizontal laser for concrete and formwork levelling, height checking and transferring, and land levelling applications.



Grade Rod



Trimble LR410  
Laser Receiver  
See Next page for details.

## Base unit upgrade included:

CLX 700 - adding +/- 15% fully automatic grade functionality in second axis with a dial-in option, the upgrade delivers the most reliable performance in dual slope applications.



## Trimble LR410 Laser Receiver

**The Linear Detection** – Exact laser strike positions to within 1.5mm (0.06”) for precise automatic grade control. Unlike other laser receivers that provide only 5 to 7 fixed relative grade regions, the LR410 provides a continuous, absolute laser strike position to precisely measure the actual height deviation from “On Grade.” This feature gives you the highest accuracy and grade performance.

**Extended Laser Detection Window** – Standard laser receivers provide only 200 mm (7.9”) of vertical laser detection. The LR410 offers an additional 31 mm (1.2”) for a total of 231 mm (9.1”) of detection length, keeping you in the laser beam longer. Regardless of your application, from rough grading to fine grading, display to automatic, the LR410 ensures more grade information—even on the toughest jobs.

**LED Status Indicators** – Red LEDs, located at the top of each window, indicate: laser strike position from the center of the laser receiver, out-of-range, power, and error status information. For rigid mast applications, the LEDs provide visual information to set up the receiver. The LED ensures that the laser receiver is set up in the center of the receiving range when manual receiver positioning is required to provide equal range between cuts and fills.

LED Display	Condition
Solid red	Laser beam is striking the center of the laser receiver-an on-grade condition
Fast flashing	Receiver is above grade
Slow flashing	Receiver is below grade

**Built to Last** – When a product has the Trimble name, you know it will withstand years of tough use. The LR410’s die-cast hermetically sealed housing is designed and built to the most demanding construction industry standards.

### Standard Features

- Full 360° laser detection field of view
- 231 mm (9.1”) detection window
- Linear detection position to within 1.5 mm (0.06”)
- 100% sealed and weatherproof enclosure
- Sunlight viewable LEDs indicate set up, power and errors
- Auto-dim LED display
- Non-rotation clamp
- Selectable on-grade accuracy from the CB420 control box
- Industry-standard CAN (SAE J1939) interface



## Multifunctional Control Panel

The intelligent operation panel is compact in design and easy to use.

A comprehensive manual (which is downloadable on our website) contains all the information you will require to operate this Laser Controlled Screeder.

Please visit: [www.speedcrete.co.uk](http://www.speedcrete.co.uk) to access this information.



## Tyres

The Vance WS-940-C comes with two types of tyre sets to suit the screeding requirements. The wheels use Dinamic-oil motors made in Italy A.K.A Danfoss.

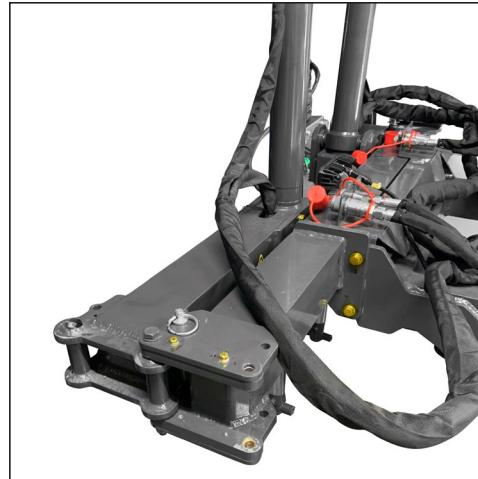


## Storage space reduction

The Screed head can be unlocked and folded in on both sides. This feature makes the laser Controlled screeder easier to transport and store away. See images below.

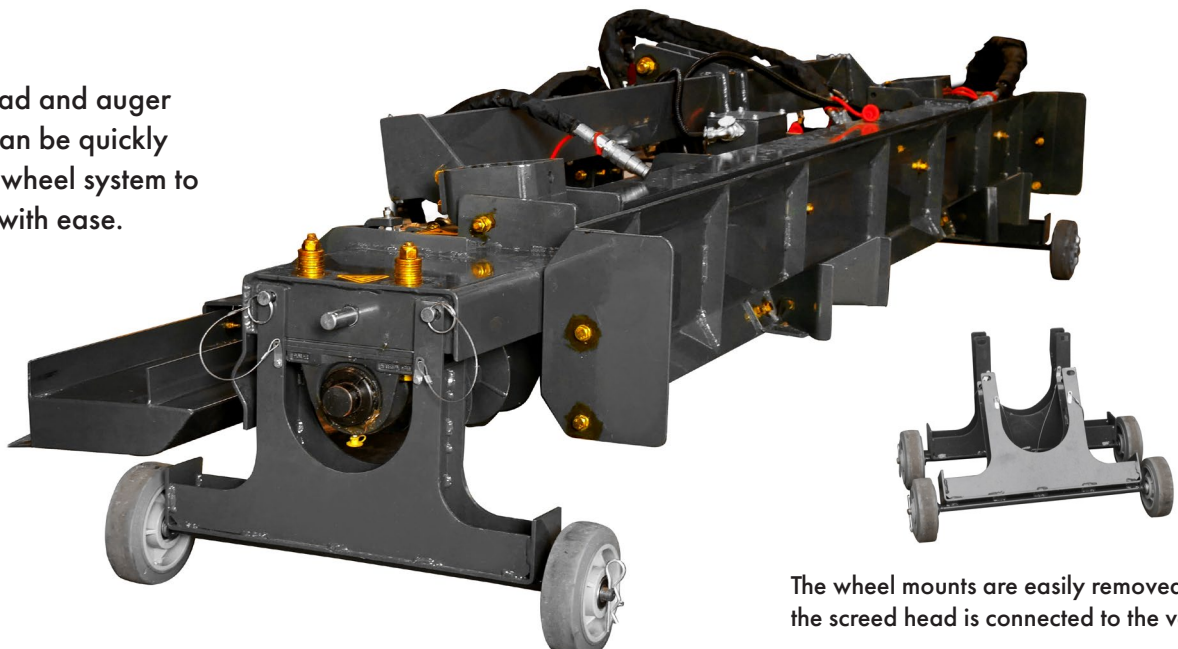


The hinged screed head allows the screed to be folded away to -50% of the working width.



Folded position locked into place via the quick release locking pin.

The Screed head and auger combination can be quickly linked up to a wheel system to move around with ease.



The wheel mounts are easily removed when the screed head is connected to the vehicle.

## Features



### Double Bearings Offer Low Steering Resistance

The steering connection point adopts tapered roller bearings which allows this laser screed to have more flexible steering during operation and more durable in terms of long term wear.



### Hydraulic Vibration

This Laser Controlled Screeder uses a hydraulic vibration motor which can effectively remove air and consolidate the concrete effectively. The Vance WS-940C allows easy access to the two bearing so grease can be applied with ease when required.



### Honda GX690 Petrol

The reliable Honda GX690 Engine offers powerful and stable performance and is perfect for high intensity work.

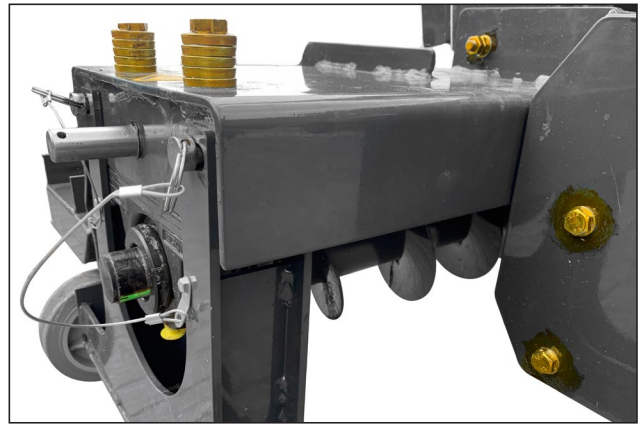
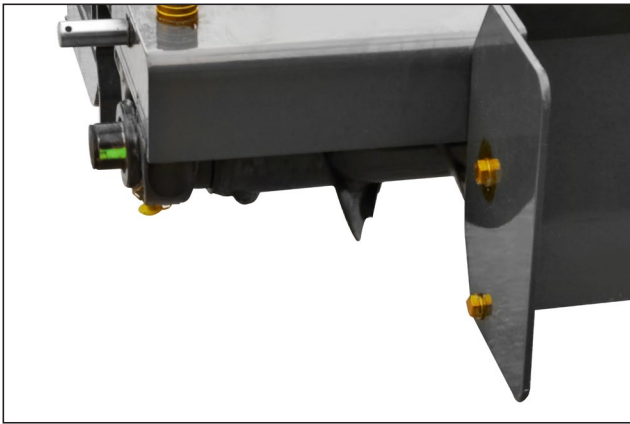


### Lighting

The Vance WS-940C has a frontal LED light which is powerful and easy to replace. There are also two lights located under the screed head so the operator can clear see the screed beam head when operating indoors.

## Auger

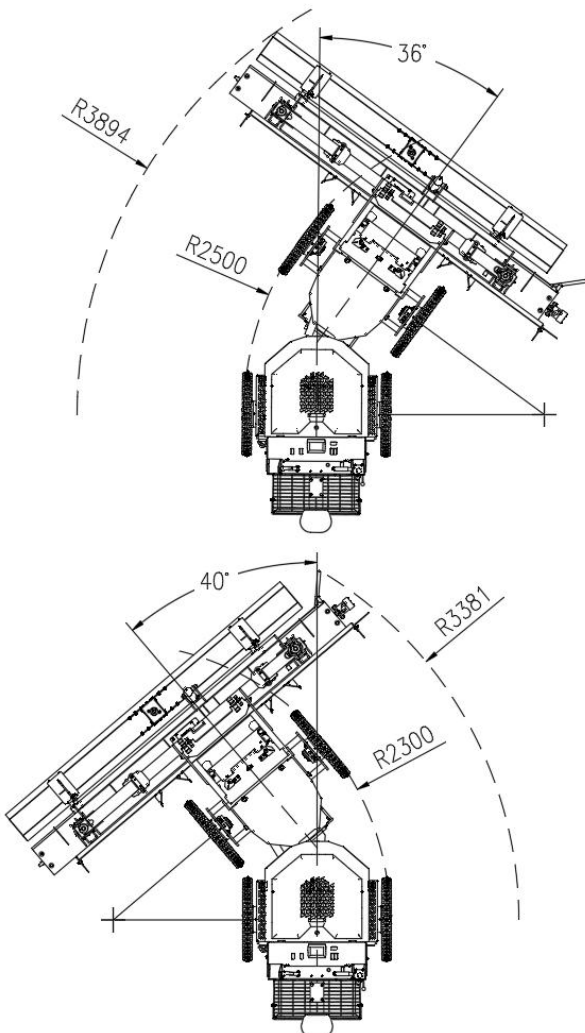
The high wear resistant auger is made of iron and can rotate clockwise and anti-clockwise. The auger has a dual purpose as it can be used in the concrete and also as a ground preparation tool.



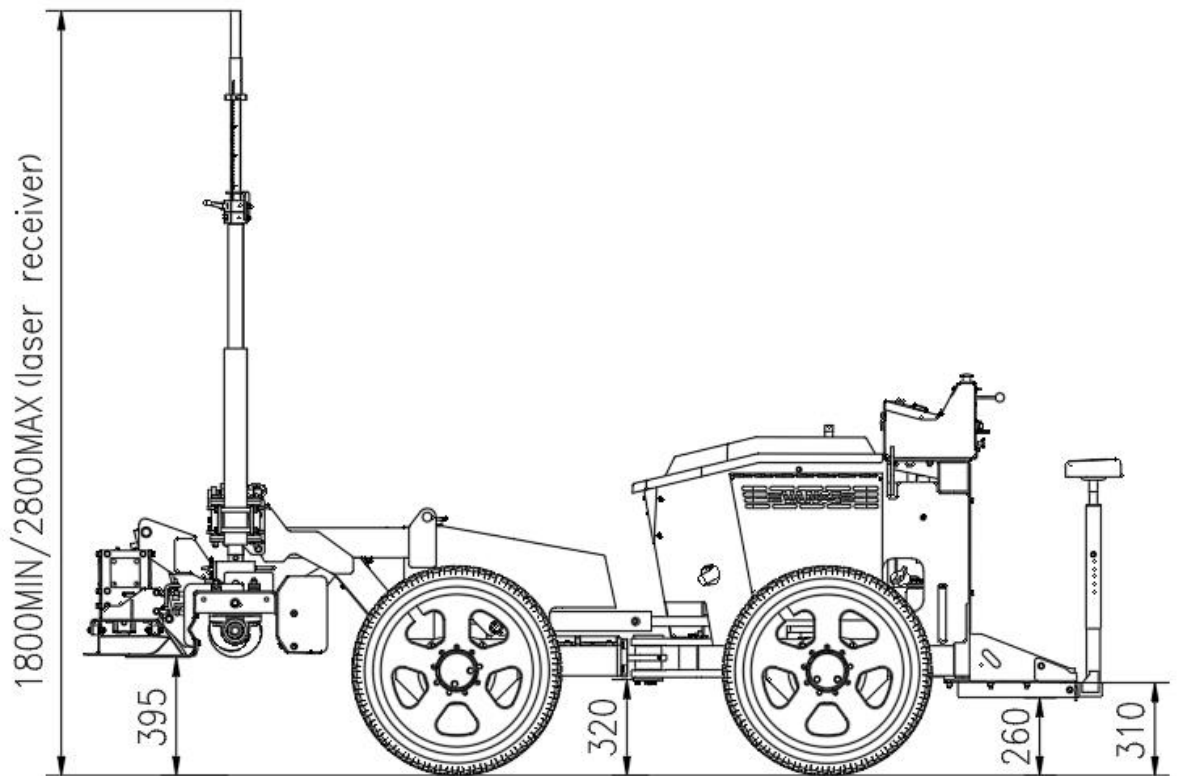
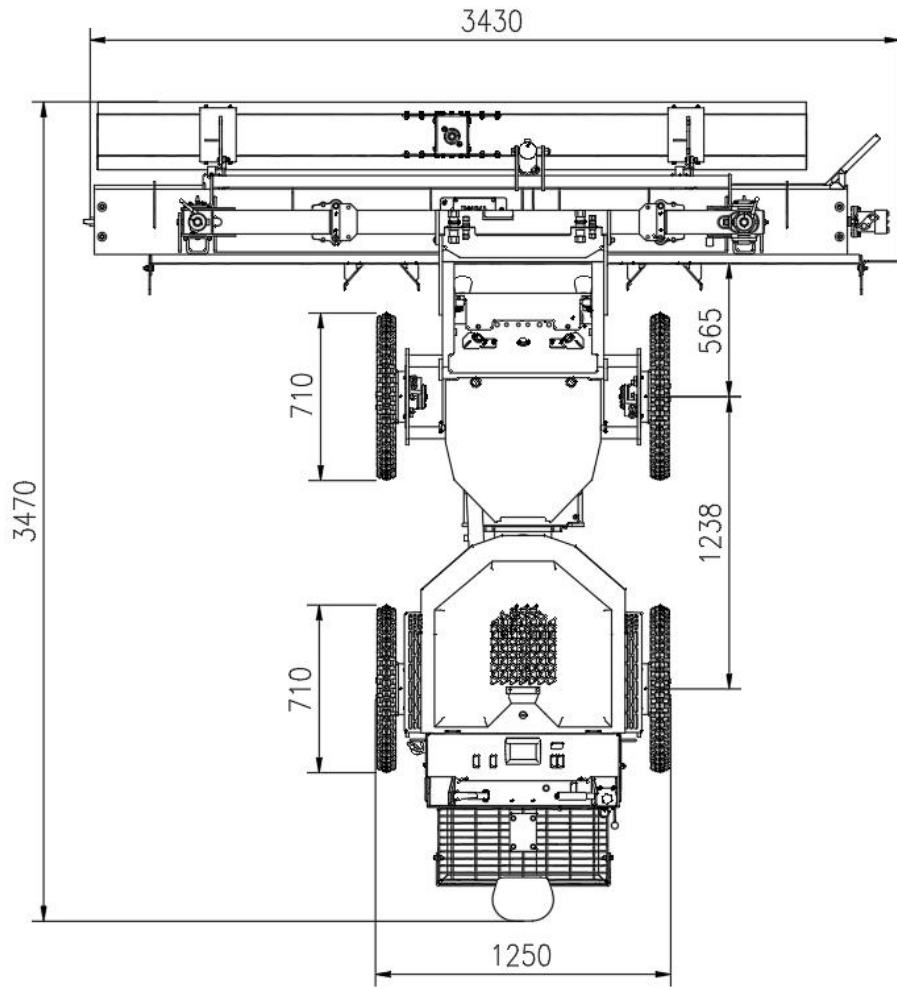
Auger with the transport wheel fitting attached.

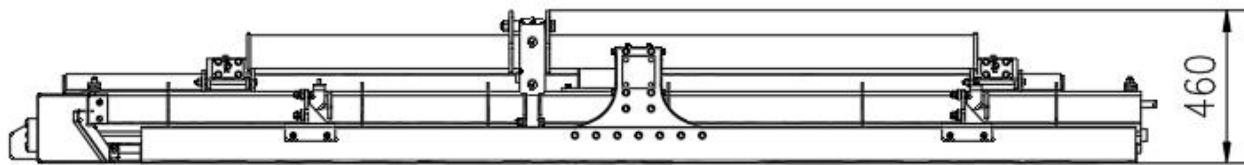
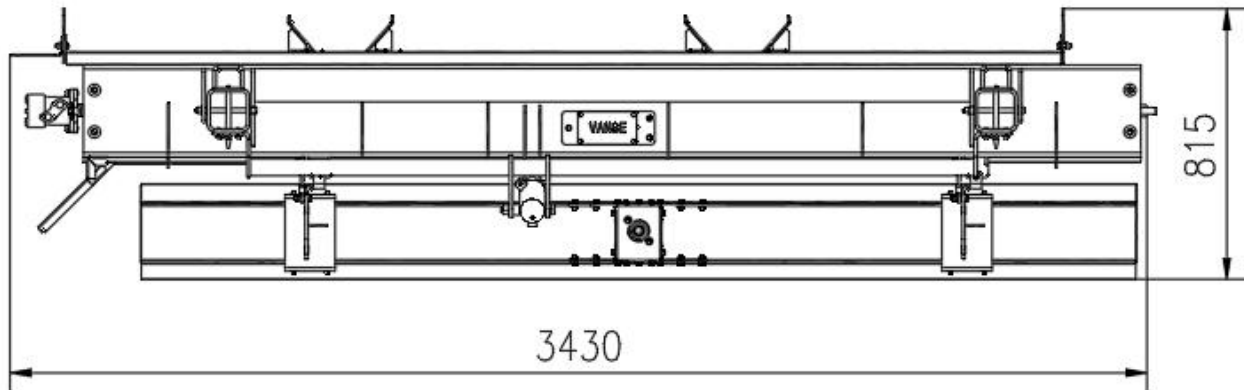
## Turning angle and radius

When levelling concrete we understand that there may be various obstacles to manoeuvre. This Laser Controlled Screeder has the ability to move around the working area with steering angles of left  $40^\circ$  right  $36^\circ$  with a swing angle of  $+8^\circ$ .









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