

ROBORIGGER products allow lifted loads to be oriented and landed without the need for people to be in the vicinity of the load. The orientation of the load is controlled with a remote control. This reduces the risk to personnel and will save lives. Roborigger also eliminates the need for tag lines on loads and significantly improves operational efficiency.

Operations can be usually be performed with one less person as there is no requirement for a person to hold tag lines to orient the load. Lifting operations are faster as no tag lines need to be attached or removed and because loads are oriented in the air during the lift transit and can be lowered immediately once the position has been reached. Roborigger also allows tasks that are challenging because of poor or unsafe access to be performed easily and safely. Loads with large windage such as panels can be lifted in stronger winds giving significantly increased crane utilization. These significant and quantifiable cost savings will pay back in under 1 year.

The ROBORIGGER system uses inertial and gyroscopic forces to rotate the load. It is controlled wirelessly using a handheld remote. ROBORIGGER can be used in manual mode using the rotate clockwise and /counterclockwise buttons or it can store 2 headings and rotate the load to either heading using a single button press. Roborigger will maintain the true heading of the load continuously regardless of wind or crane slewing.

ROBORIGGER can be fitted with an electric hook that allows the operator to release the load remotely by wireless. The system has inbuilt safeguards to prevent inadvertent release. Roborigger includes a video camera and load cell and is fully internet connected by wifi or 3g/4g so that all lifts are recorded on the internet database complete with date, time, location, weight and a high resolution image. Load ID can also be recorded. The IOT platform provides extensive statistics analysis of the operations and is a key tool to support improvements to operational efficiency. Monthly operational and productivity reports are produced automatically.



KEY FEATURES:

- Load cell with remote readout
- Camera that takes snapshots of all lifts and setdowns as well as providing video feed to crane operator
- Ability to have 2 preset orientations to simplify repetitive operations.
- Minimal operator training required.
- Remote release of hooks with failsafe protection.
- Online monitoring and diagnosis

SPECIFICATIONS:

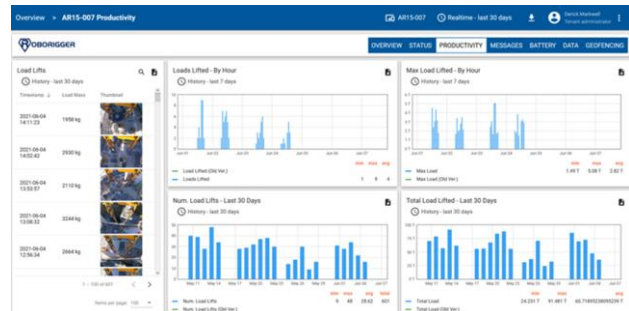
WLL: 10t

Size: 1.4m (diam) x 2.0m(H)

Weight: 650kg

Battery Life: minimum 12 hours

Remote Control range: 150m typical (433 MHz)



Online monitoring of all lifts and Roborigger performance and productivity