

Ron Crane Scales & Wind Turbines



 **Eilon Engineering**
Weighing Systems Ltd.

www.EilonEngineering.com

Manufacturer of **Ron Crane Scales & Wind Turbines**



45 Years

OF MEASURING
EXCELLENCE



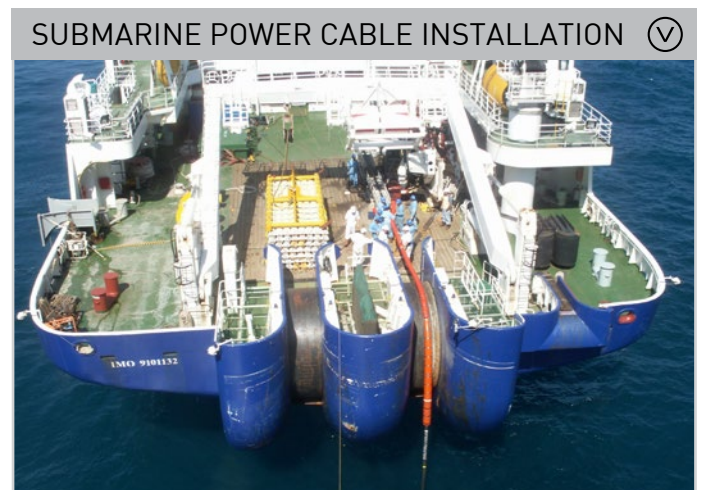
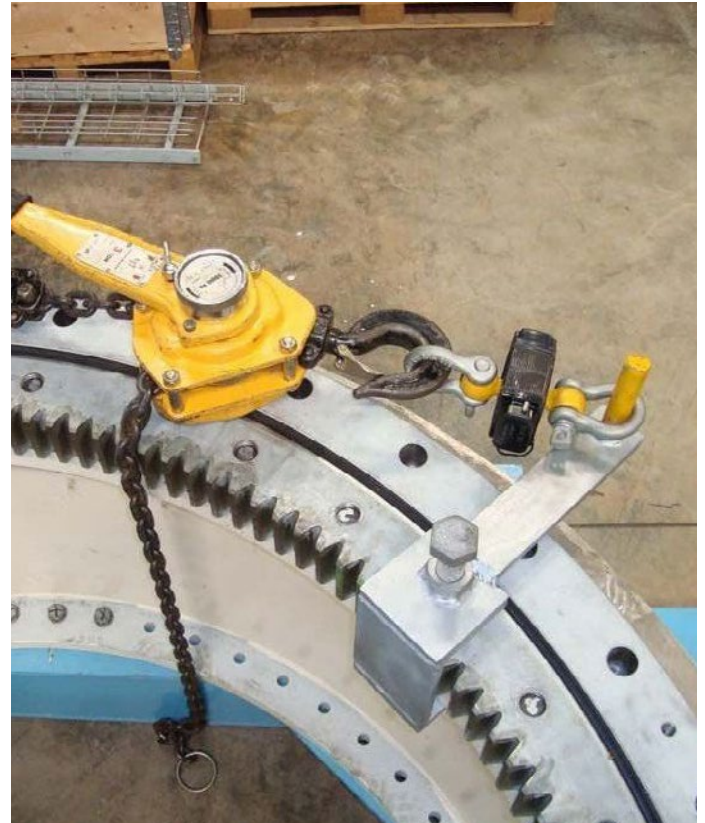
RON CRANE SCALES & WIND TURBINES

In recent years, the wind power industry has more than doubled its capacity leading to a doubling in the demand for crane scales.

Sales of Ron Crane Scales by Eilon Engineering have grown proportionately.

In the wind power industry, Eilon Engineering dynamometers and crane scales are increasingly being used in the construction, testing, and maintenance of turbines:

- > Testing and recertification of the tower's service crane
- > Overload prevention
- > Submarine power cable installation
- > Initial installation
- > Dismantling and repair of units
- > Weighing and balancing of blades before shipment from the manufacturing plant
- > Measuring the tension of guy wires
- > Blade-bearing inspection



RON CRANE SCALES & WIND TURBINES

Eilon Engineering manufactures high-quality, durable, wireless or wired crane scales and dynamometers for all manner of heavy rigging tasks, including the installation and maintenance of wind farms.

With over three decades of experience, Eilon has worked with some of the world's leading wind turbine manufacturers such as Vestas, Siemens and GE, and boasts a client list of top companies and institutions such as the U.S. military, Boeing, NASA, and Lockheed Martin, as well as other Fortune 500 companies and smaller businesses.

SYSTEM HIGHLIGHTS:

SAFETY:

Market leading **5 Year Warranty:** High quality and reliability.

Fatigue rated: All Eilon Engineering load cells are Fatigue Rated according to ASME BTH-1 and IEC 61508. Fatigue Rated: Unlimited Number of Load Cycles (Provided capacity is not exceeded).

Reliable transmission technology: Based on decades of experience with the harsh transmission environments of NASA launch sites.

0.1% Accuracy: For early detection of overloads.

Aerospace steel: Manufactured using only high grade steel for load cell bodies.

Shackle holes offset 90 degrees: Reduces bending for increased safety and accuracy.

Proven wireless technology since 1976 with repeat customers such as **NASA, Boeing, Lockheed Martin, Cirque du Soleil, Disney,** and many others.

PERFORMANCE:

Battery life of up to 2000 hours (optional 4000h for Ron 2501) on common disposable batteries.

Transmission range: Up to 3 km / 2 miles (upon request). Standard: 150 m/yds.

Lightweight and portable.

Heavy duty designs with shock absorbing mechanisms.

Minimal headroom loss: Short length ensures minimal headroom loss. No need for additional lifting accessories.

Multiple load cells: 200 load cells per monitoring station.

Large capacities: From 250 kg. and up to 300 tons! - 5:1 and 10:1 safety factors.

Environmental: IP 67/NEMA 4-Weatherproof standard for Ron 2501, optional for all other models.

OUR CUSTOMERS INCLUDE:




RON 2501, RON 2000, RON 3025 AND RON STAGEMASTER™

The wireless Ron 2501 dynamometer is particularly suited to the wind power industry. It is the smallest, lightest and most versatile wireless dynamometer on the market and its design ensures that the received and indicated value is 100% identical to the transmitted value.

Its small size makes for easy portability and minimal headroom loss. The Ron StageMaster 6000G4 uses a practically unlimited number of wireless load cells together with a Central Radio Receiver and a real time load map.


RON 2000 WIRED (v)



Dynamometer with wired remote display.

The image shows an orange hook dynamometer connected by a cable to a handheld black remote display. The display has a small screen and several buttons. The dynamometer has a yellow sensor housing and orange hooks.


RON 2501 WIRELESS (v)



Dynamometer with wireless remote display.

The image shows a silver hook dynamometer connected wirelessly to a handheld black remote display. The display has a screen and a keypad. The dynamometer has a black sensor housing and silver hooks.


RON STAGEMASTER™ (v)



Multi Load Cell System

The image displays a multi-load cell system. At the top, a row of ten small hook dynamometers is shown. Below, a hand holds a smartphone displaying a load map, and another hand holds a tablet displaying a similar map. In the center, a laptop shows a detailed load map interface. To the right, a central radio receiver unit is shown with a red 'Wireless' logo and a Wi-Fi symbol.

RON 3025 (v)



Crane Scale with Integrated 1" Display

The image shows a yellow crane scale with a red hook. The scale has a large digital display showing the number '1234.5'. The scale is mounted on a yellow frame.

GENERAL / INDUSTRIAL LOAD MONITORING

GAS PIPELINE INSTALLATION



WEIGHING DURING MANUFACTURING



BOLLARD PULL



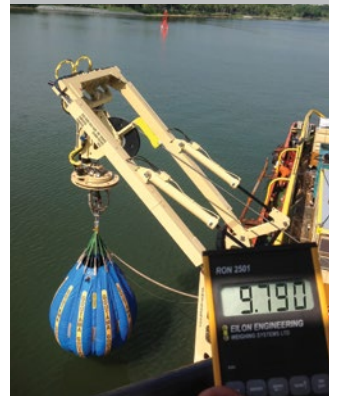
NASA



DUAL POINT LOAD MONITORING



PROOF LOAD TESTS



NASA



MULTI POINT LOAD MONITORING



WEIGHING IN FOUNDRIES



CONTROLLED CABLE TENSIONING



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