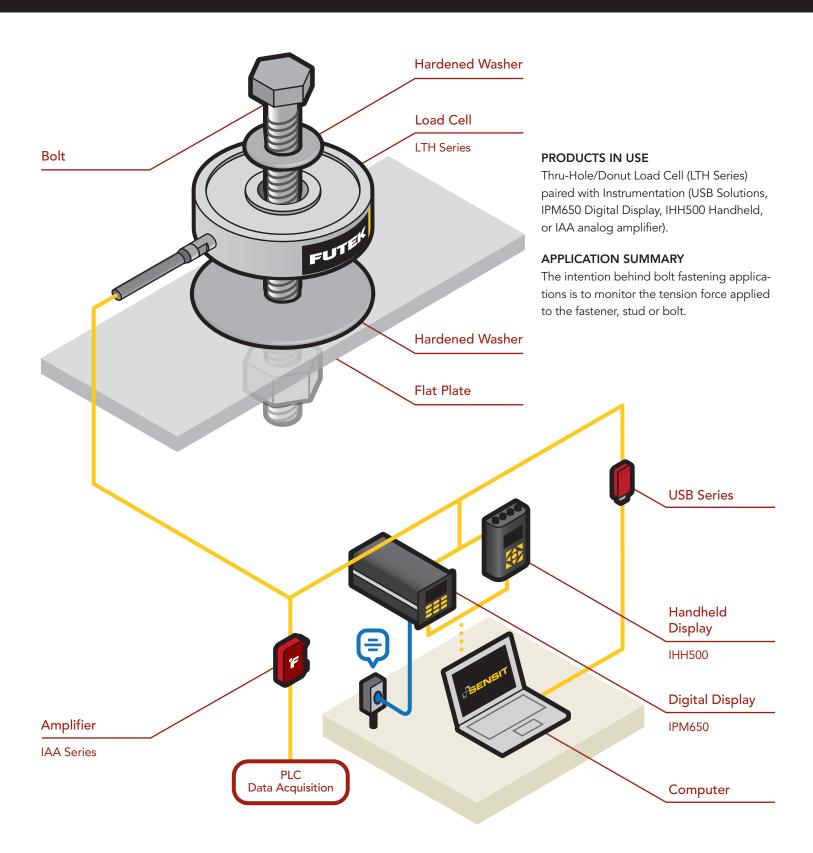
Applicazioni celle di carico a rondella - serie LTH

Per lo più riconosciute per il loro utilizzo in applicazioni con fissaggi a vite, le celle di carico a rondella vengono utilizzate in diverse applicazioni industriali. Dalle macchine automatiche, al controllo di processo, sui banchi di prova e collaudo sino ad impieghi spaziali (Rover su Marte).

Bolt Fastening (Application 102)	Toggle Force Clamp (Application 103)	Nut Runner Force/Torque (Application 113)
MSL Mars Rover Cryogenic (Application 126)	Orion Deployment Mechanism (Application 136)	Injection Molding Force Feedback (Application 159)
Precision Wire Tensioner (Application 166)	Prosthetic Foot Emulator (Application 167)	Shark Bite Force Measurement (Application 171)







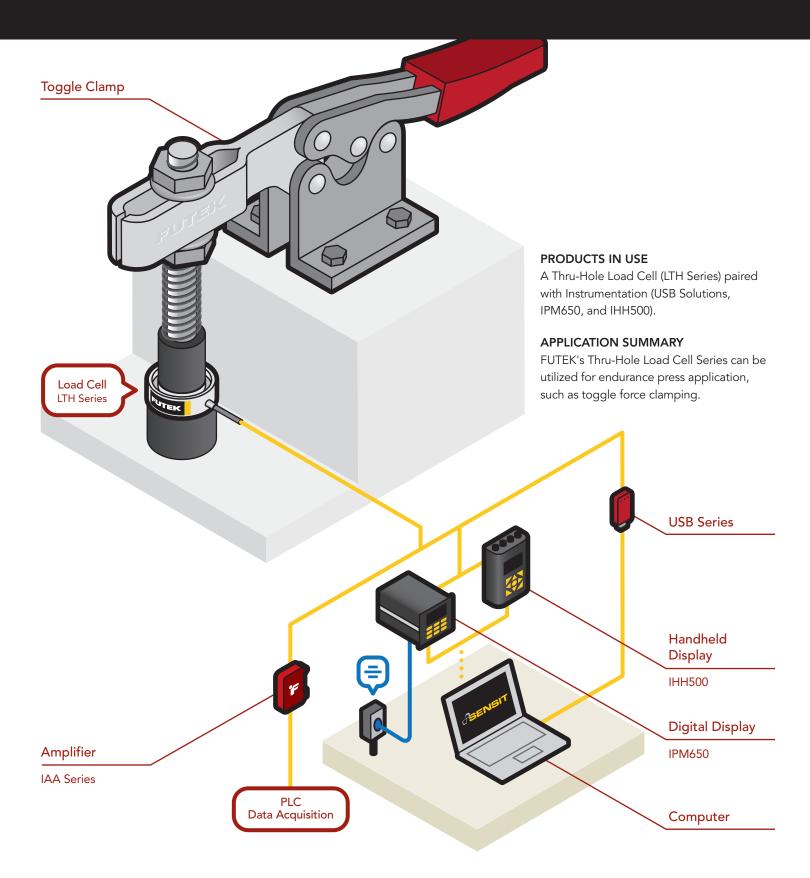












Sensor Solution SourceLoad · Torque · Pressure · Multi Axis · Calibration · Instruments · Software



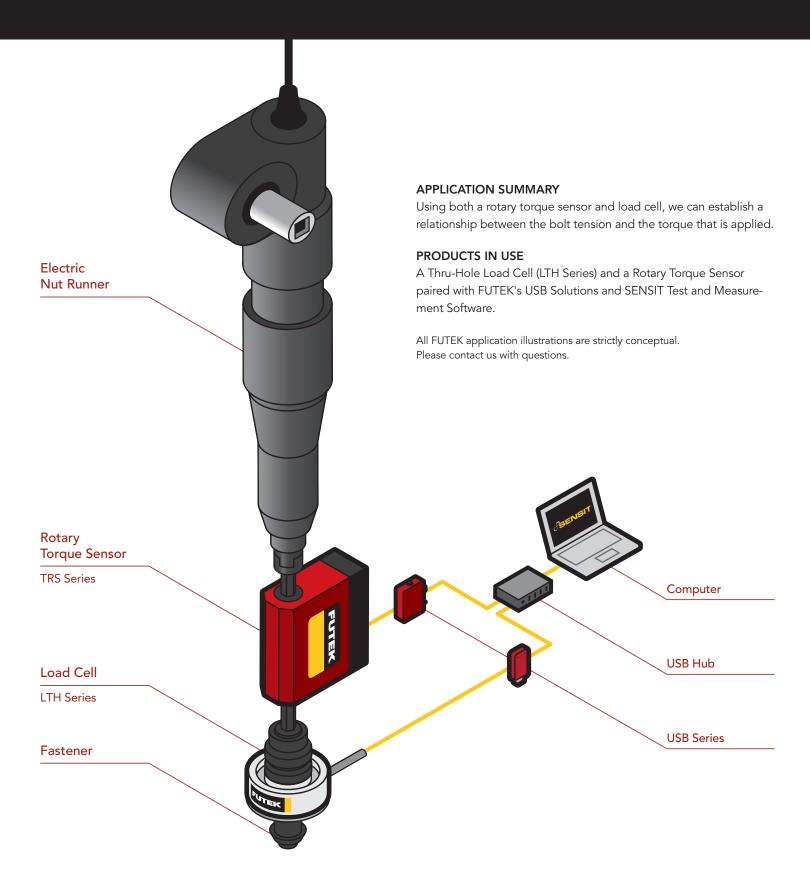
















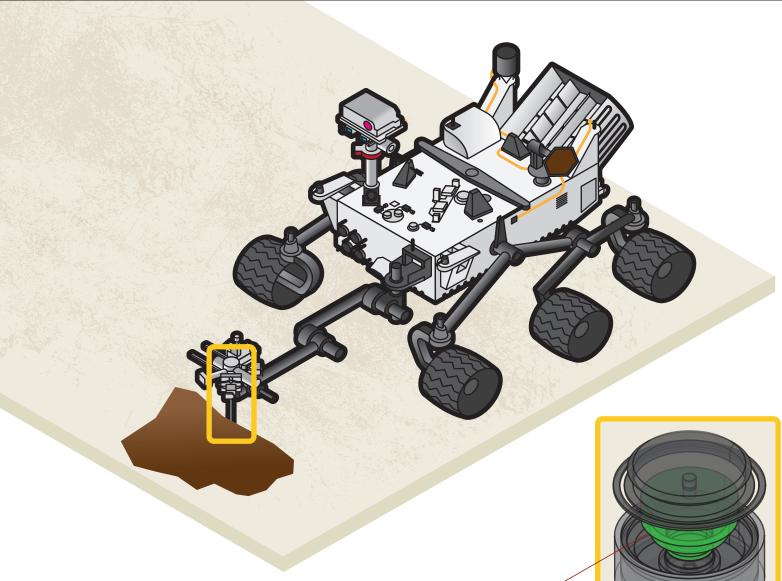












PRODUCTS IN USE

NASA/JPL-Space/Flight Qualified Cryogenic Dual-Bridge Donut Load Cell.

APPLICATION SUMMARY

FUTEK was commissioned by NASA to develop a cryogenic donut load cell directly operating within Curiosity's drilling arm. This sensor stands responsible to monitor the drill bit's forces as it pierces into the Martian terrain.

All FUTEK application illustrations are strictly conceptual. Please contact us with questions.

DTM Actuator

Cryogenic Load Cell

Gimbal Assembly

Ball Screw

Sensor Solution Source

Load · Torque · Pressure · Multi Axis · Calibration · Instruments · Software

www.futek.com

AP1030

















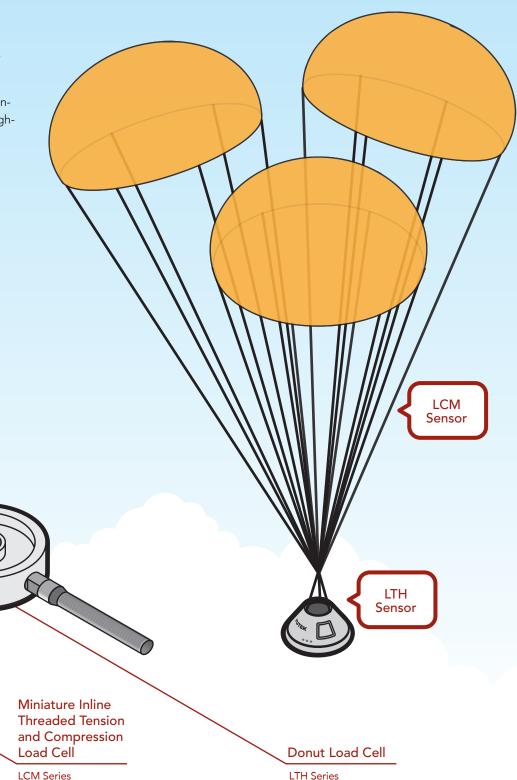
PRODUCTS IN USE

In-Line Load Cells (LCM Family) or Thru-Hole/Donut Load Cells (LTH Family).

APPLICATION SUMMARY

Aerospace parachute deployment mechanics require high precision load cells throughout the testing phase. NASA's Orion capsule utilized FUTEK load cells to measure the force of the payload applied against the parachute system.

All FUTEK application illustrations are strictly conceptual. Please contact us with questions.



Sensor Solution Source

DSPM Industria*

sensori & trasduttori

 $\mathsf{Load} \cdot \mathsf{Torque} \cdot \mathsf{Pressure} \cdot \mathsf{Multi} \ \mathsf{Axis} \cdot \mathsf{Calibration} \cdot \mathsf{Instruments} \cdot \mathsf{Software}$



AP1052





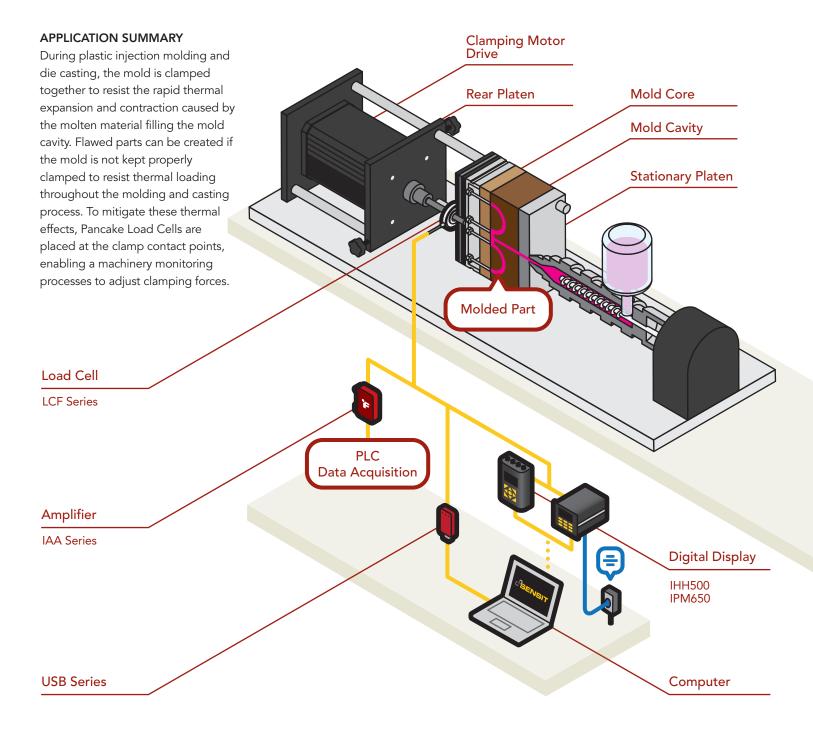












PRODUCTS IN USE

FUTEK's Universal Pancake Load Cells (LCF Series) coupled with the IAA Series analog amplifier for feedback into a PLC.

All FUTEK application illustrations are strictly conceptual. Please contact us with questions.

Sensor Solution Source

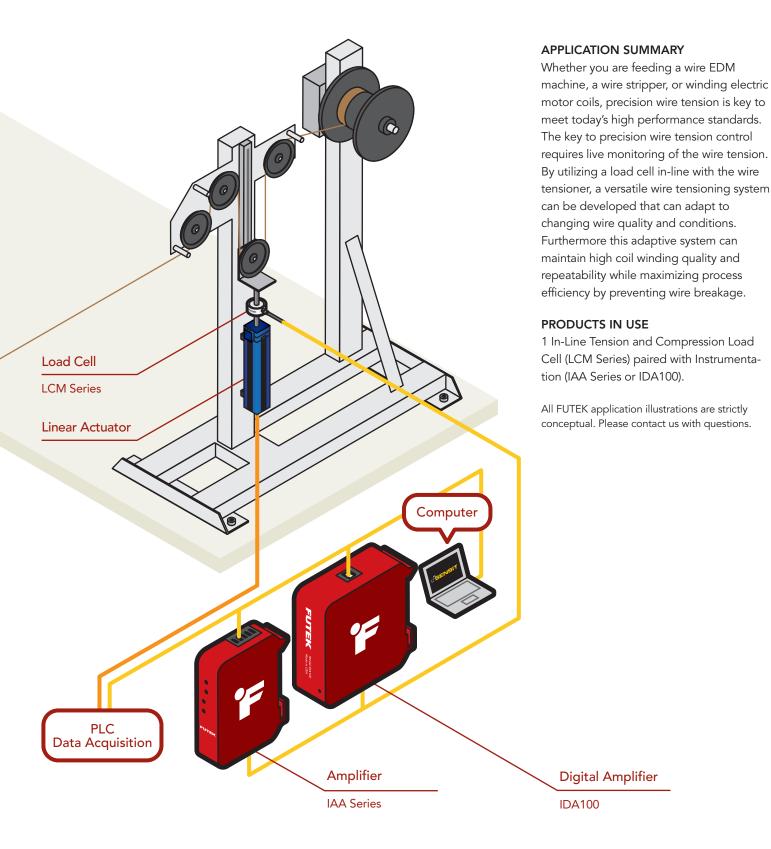












www.futek.com

 ${\sf Load} \cdot {\sf Torque} \cdot {\sf Pressure} \cdot {\sf Multi Axis} \cdot {\sf Calibration} \cdot {\sf Instruments} \cdot {\sf Software}$

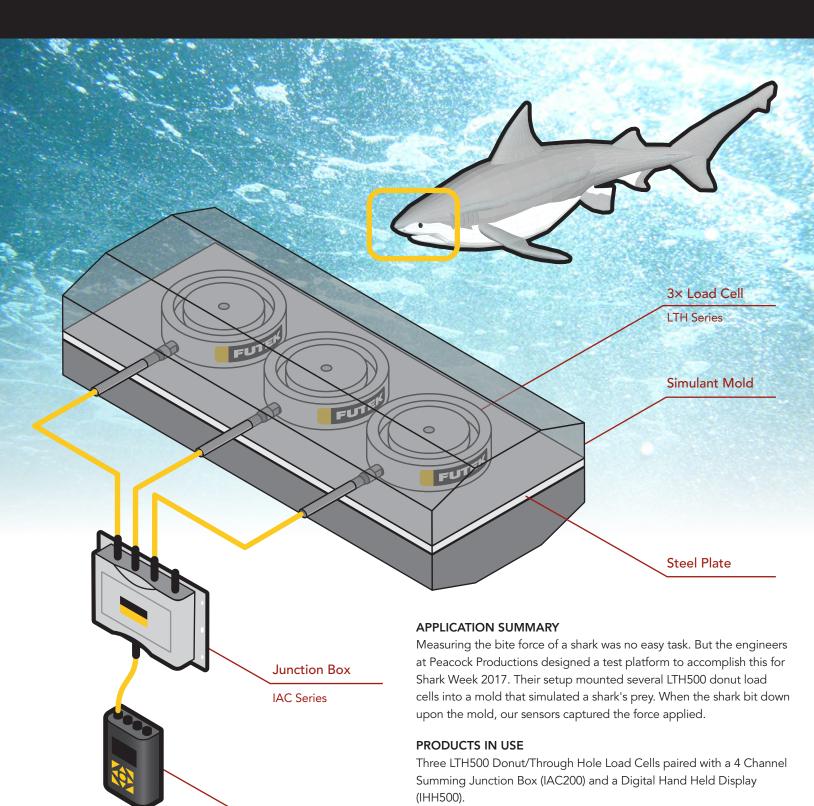












Load · Torque · Pressure · Multi Axis · Calibration · Instruments · Software







All FUTEK application illustrations are strictly conceptual.

Please contact us with questions.

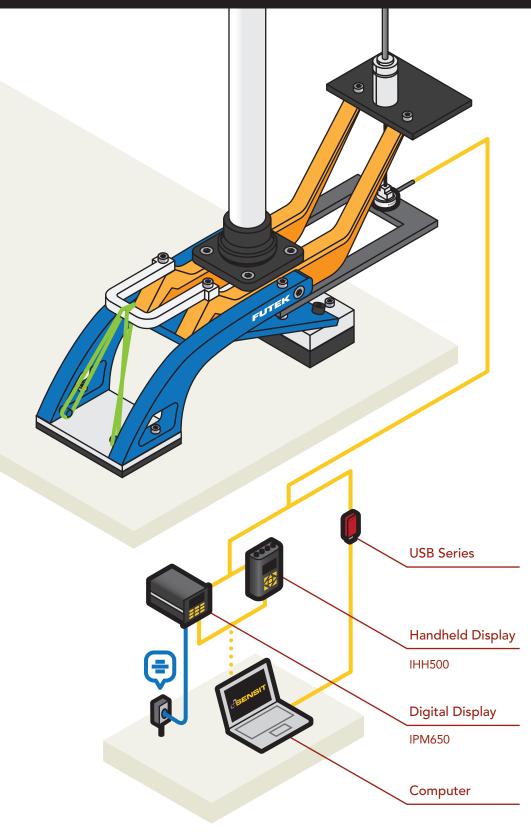




IHH Series

Handheld Display





APPLICATION SUMMARY

For individuals who have lost part or all of a limb, rehabilitation is always a difficult process. For those who has undergone trans-tibial amputation, their prosthesis needs to mimic the tibia, ankle, and foot. FUTEK worked with Humotech in selecting a sensor for a trans-tibial prosthesis that could adapt to an individual's gait during rehabilitation. By mounting our LCM200 Miniature Threaded In-Line Load Cell in-line with a servo-driven cable system, Humotech was able to create a closed-loop system that adapts to the patient's gait for a speedier recovery and rehabilitation.

PRODUCTS IN USE

1 FUTEK LCM200 Miniature Threaded In-Line Load Cell paired with IDA100 Digitally Configurable Amplifier.

All FUTEK application illustrations are strictly conceptual. Please contact us with questions.

Sensor Solution Source









