

THE MAKING OF AN ICON®



See the high-tech, behind-the-scenes manufacturing processes that go into the production of DETECTO's state-of-the-art icon® physician scale



0.0002

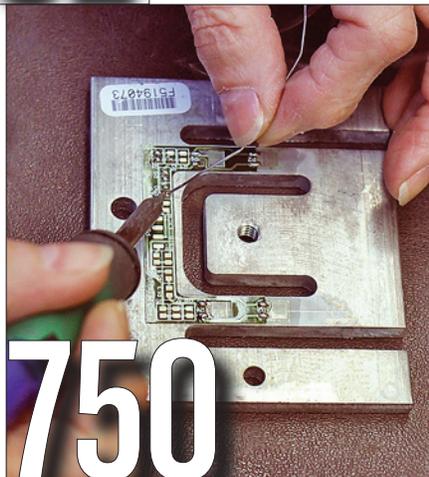
The origin of weight in every DETECTO icon® physician scale begins on a microscopic level with the strain gauge. Every icon® strain gauge is constructed with a **foil sensor that is 0.0002" thick.**



110

The icon's load cell bodies are stamped out with **110 tons of force.** The load cell bodies are constructed of aircraft quality aluminum for maximum longevity and durability.

The flat plate load cell's flex circuit is **soldered at 750° Celsius.** The load cell's soldering processes allow for proper adhesion and a low-profile cell that best serves the icon's thin platform design.



750

The icon's low-profile scale base is **comprised of 27 discrete parts.** The assembly of each of these individual parts creates an ultra-thin platform that is highly responsive for optimal customer satisfaction.



27



400

Each icon® column is prepped and painted with the highest quality powder coat paint. From start to finish, an icon® column can be completely painted and cured at **400° Fahrenheit in 60 minutes.**



135

DETECTO's surface mount technology electronics machinery produces its own circuit boards in-house from American and foreign components. **135 components are added to each raw board** before it is placed in the indicator. Each individual circuit board takes 150 seconds to complete on the SMT machine.

SEE THE HIGH-TECH, BEHIND-THE-SCENES MANUFACTURING PROCESSES THAT GO INTO THE PRODUCTION OF DETECTO'S STATE-OF-THE-ART ICON® PHYSICIAN SCALE



Assembling the indicator to the column and scale base is a streamlined process that minimizes potential production issues. Altogether, an indicator can be **assembled completely in 6 minutes or less** at DETECTO's factory in Webb City, MO.

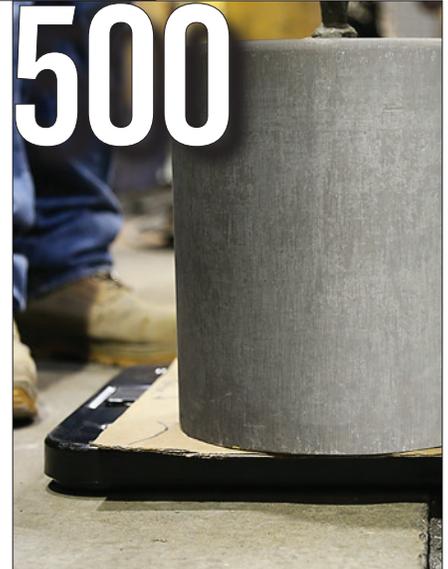


A visually-appealing and easy-to-use indicator face is what DETECTO seeks to achieve on every icon®. DETECTO's CMYK **full-color printing capabilities allow for a new icon® indicator face to be produced in 150 seconds**. DETECTO's high-speed industrial ink-jet printing capabilities yield a waterproof and virtually chemical-resistant indicator face that thrives in medical environments.

A quality product is the highest priority for DETECTO when constructing an icon®. **35 meticulous steps** are taken during final assembly to meet the highest-quality assembly standards for customer satisfaction.



Each of the four load cells in the scale base are calibrated individually. **500-lb test weights** are used to test the icon's accuracy.



DETECTO's icon® has become a favorite of healthcare professionals domestically and internationally. icons are **shipped to over 160 countries** across the globe from the company's factory in Webb City, MO.

 **DETECTO**
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