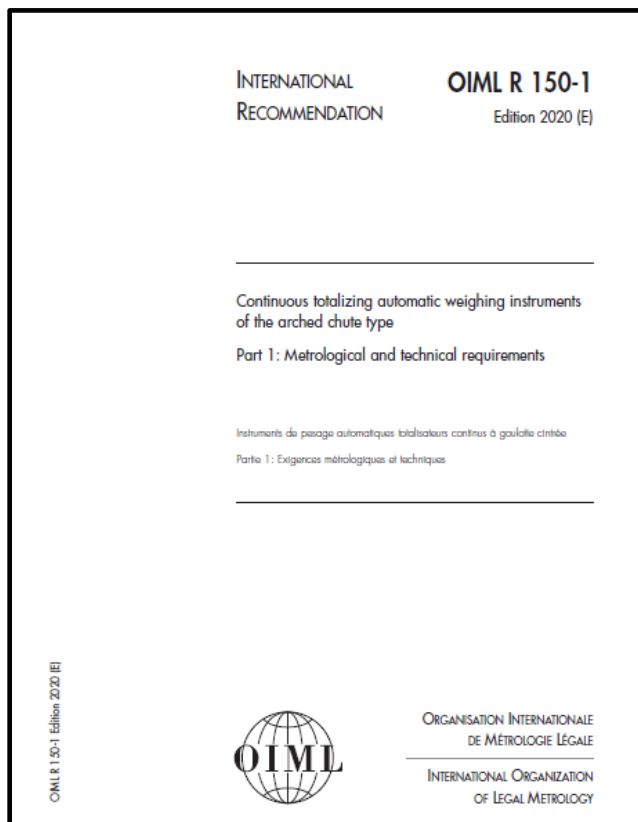


## The International Organization of Legal Metrology Adopts a New Recommendation for Arched Chute Type - Automatic Bulk Weighing Systems

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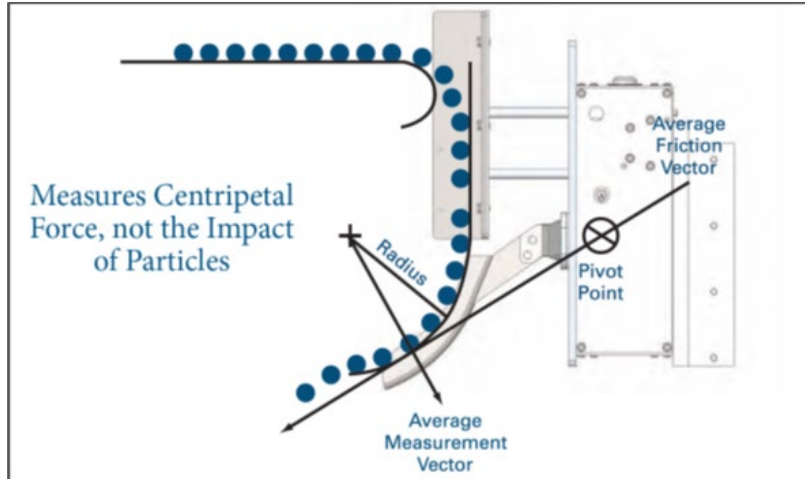
*Credit: International Organization of Legal Metrology.*

The International Organization of Legal Metrology (OIML) has published a new international recommendation for automatic bulk weighing systems that use the arched chute type design weighing element.

The recommendation, titled R 150-1, ***Continuous Totalizing Automatic Weighing Instruments of The Arched Chute Type***, is available for free download on OIML's website.

Designed for use in continuous weighing applications such as filling trucks, unit-trains, barges, and ships with coal, grain, ores, or any other flowable materials, these devices can be adapted for a wide range of applications including in-line production processes.

An arched chute type weighing device is designed so the vertical flow of the product affects centripetal force (not the impact of the product particles) proportionally to the weight of the product, passing along the circular arched surface of the force receptor. This concept is illustrated in the following graphic, used with permission from Eastern Instruments of Wilmington, North Carolina.



Additional information about these devices can be found in the July 2016 edition of the **OIML Bulletin** which is available for free download on OIML's website. The article, *Continuous Totalizing Weighing Instruments of the Arched Chute Type* by Vincent Van Der Wel, Vice President, CECIP (an association of European manufacturers of weighing devices), begins on page 9.

One of the leading developers and manufacturers of these devices in the U.S. is Eastern Instruments, located in Wilmington, North Carolina. On **Eastern Instruments website**, the company provides additional technical and operational information, along with videos illustrating the arched chute devices in operation, weighing everything from soy beans to ores, and even crushed aluminum cans. At the present time, these devices are primarily used in production processes, but their use is expanding internationally into legal for trade applications, which was one reason for OIML's decision to develop R 150-1.

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