



Powder and Bulk Engineering

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On the cover: Model 410-170-MI-5 Weight-Loss microingredient weighfeeder is shown metering a difficult-to-handle food additive by loss in weight at a low 0.005-ft³/h feedrate. Weighfeeder is metering the material into a collection vessel, which is placed on a checkweigh scale that's linked to an automated sampling program recording samples at 10-second intervals. Quick-disconnect weighfeeder can be disassembled and reassembled in minutes without using tools. Weighfeeder allows total cleanout, making it suitable for sanitary, pharmaceutical, and other applications with frequent material changeovers. Courtesy of Acrison, Moonachie, NJ, 201-440-8300 (www.acrison.com).

INDUSTRY PERSPECTIVE

8 Don't ignore the combustible dust early warning signs!

Gary Q. Johnson

WEIGHING AND BATCHING



29 The case for measuring bulk solids inventories by weight

Jimmy Shoulders and Mark Earl

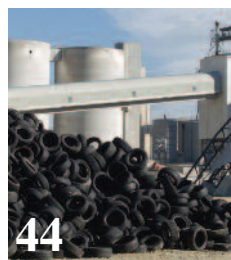
This article explains how weight-based inventory measurement can beat local-measurement methods in reliability, accuracy, and consistency for vessels on steel support structures.

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Equipment suppliers suggest ways to safely improve your batching system's speed.

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37 A cure for hammer rash: Measuring powder flowability with shear cell testing

Robert G. McGregor

Learn how a shear cell tester can be used in day-to-day quality control by simplifying and speeding tests for measuring a powder's flow behavior.

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