



**On the cover:** Model RS safety stop control pull cord for mechanical conveyors is shown at a rock quarry installed on a 365.76-meter (1,200-foot) transport belt. Unit provides quick positive equipment shut off via an actuated cable pulled by endangered personnel. Unit meets stringent requirements for various global safety agencies, and its standard housing construction is corrosion-resistant cast aluminum with an optional polyester or epoxy powder coating. Courtesy of Conveyor Components Co., Croswell, MI USA, +1 810 679 4211 ([www.conveyorcomponents.com](http://www.conveyorcomponents.com)).

# POWDER and BULK ENGINEERING *International*

VOLUME 10, NUMBER 6

NOVEMBER 2017

## MECHANICAL CONVEYING

---

- 12 Using aeromechanical conveyors for difficult-to-handle materials  
*Nick Webber*
- 16 Equipment feature: Mechanical conveying

## SIZE REDUCTION

---

- 17 Achieving particle size reduction with a multirow cage mill  
*Eric Marcotte*
- 20 Equipment feature: Size reduction

## GENERAL FEATURES

---

- Cover 2 Ask an expert: Effective dust collector hood design  
*Jack Osborn*
- 8 Drying desk: Improving drying efficiency with mechanical dewatering  
*John J. Walsh*
- 21 Featured trade shows: International Conference and Expo on Advanced Ceramics (21-26 January, Daytona Beach), Upakovka 2018 (23-26 January, Moscow), Interphex Osaka (21-23 February, Osaka), European Pellet Conference 2018 (28 February- 1 March, Wels).

## DEPARTMENTS

---

- 4 *PBE* update  
4 Industry news  
11 Special section: Explosion protection  
22 Events
- 24 Supplier notes  
Cover 3 Advertiser index  
Cover 3 Product update

[www.pbeinternational.com](http://www.pbeinternational.com)

**Powder and Bulk Engineering International** [ISSN 1098-6480] (print) [ISSN 1944-8023] (online) is published six times a year in January, March, May, July, September, and November by CSC Publishing, Inc., 1155 Northland Drive, St. Paul, MN 55120 USA.