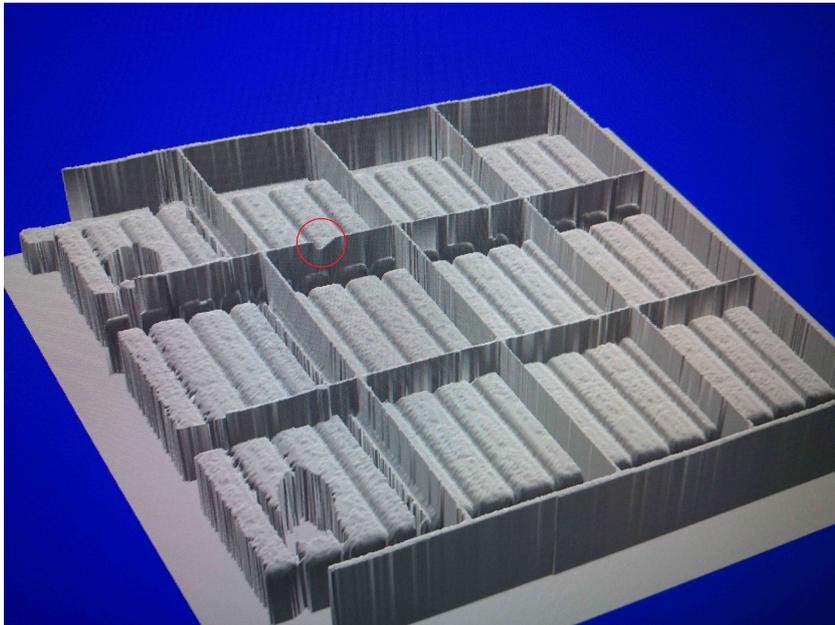


## Keeping plastic pieces out of chocolate bars

### Bi-Ber showcasing innovative 3D check of chocolate molds at VISION 2016

In their 16th exhibition at the VISION 2016 trade show in Stuttgart, Berlin-based Bi-Ber GmbH & Co. KG will present their latest developments and products in Hall 1, booth B10, from 8 to 10 November, 2016. The Bi-Ber stand is part of the VISION Integration Area. The image recognition specialists are focusing on this year's special topic "FOOD & BEVERAGE VISION". Among other innovations, Bi-Ber will show a newly developed 3D scanning system using a laser-profile sensor for mold breakage detection in chocolate molds.



Bi-Ber's 3D scanning system employs a triangulation process that allows the safe and precise detection of broken-off chips (circled in red) in chocolate molds.

Using the triangulation method, the scanner reliably detects faulty break-offs on chocolate molds immediately during manufacture. The system features a resolution of up to 1.6 mm perpendicular to and 0.5 mm level with the observation plane. Even the smallest irregularities, such as chocolate mix splashes, can be reliably distinguished from broken-off plastic pieces. In addition, the use of multiple DS1300 cameras from Cognex enables wear monitoring of molds even at very broad scan widths. The system can be easily adapted to various applications, can be custom-dimensioned and is geometrically adjustable to any given installation environment. At the fair, prospective users will find a demonstration system in action that highlights the

advantages of this latest Bi-Ber in-house development. In addition, Bi-Ber will give a presentation about 3D mold check systems during the Industrial VISION Days of the German Mechanical Engineering Industry Association (VDMA). Look out for the FOOD & BEVERAGE logo at VISION 2016!

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