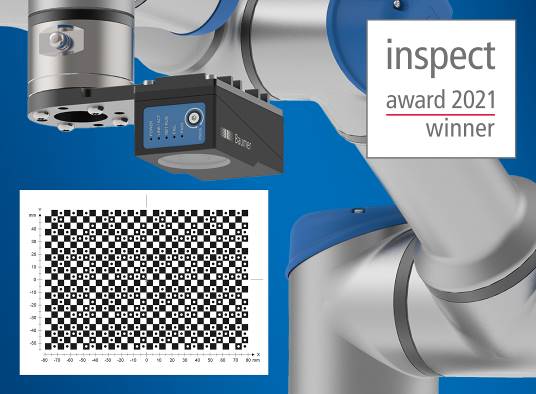
# Press Release

**Baumer wins inspect award 2021: Making robots “see”**

(11/19/2020) The automated coordinate alignment of the robot-compatible *VeriSens* XF/XC900 vision sensors from Baumer convinced the expert jury of the inspect award 2021. Out of nine finalist products in the online voting, the sensors were awarded first place in the category Vision. The award granted by the publisher Wiley-VCH every year honors the most innovative products in the field of industrial image processing.

The smart vision sensors scored high thanks to the intelligent calibration target *SmartGrid.* Chessboard application of the bit pattern allows for unique automated coordinate alignment. It not only eliminates the conventional hassle of manual “hand-eye” coordination but it takes only a few minutes to give “eyesight” to Universal Robots – at higher accuracy in parallel. In addition, the patent-pending *SmartGrid* supports automatic teaching of image rectification for image distortion correction in real time. A mouse click will suffice to eliminate any impairments by lens or mounting – without affecting the following processing time. Converted to world coordinates, *VeriSens* is receiving the scaling specifications directly via the *SmartGrid*. In addition, teaching of 3D orientation enables automatic adjustment to distance.

*VeriSens* XF/XC900 vision sensors essentially expand robot functionalities in image processing. Freely placed parts are precisely recognized and gripped even beyond fixed waypoints, objects will be reliably identified and sorted based on various feature checks which allows for reliable quality checks with robot precision.

Learn more at: <https://www.baumer.com/c/42216>

Photo: The robot-compatible *VeriSens* XF900 and XC900 vision sensors from Baumer win the inspect award 2021 in the category Vision.

Number of characters (with spaces): approx. 1700

Text and picture download at: [**www.baumer.com/press**](http://www.baumer.com/press)

**Baumer Group**

The Baumer Group is one of the worldwide leading manufacturers of sensors, encoders, measuring instruments and components for automated image processing. Baumer combines innovative technologies and customer-oriented service into intelligent solutions for factory and process automation and offers an unrivalled wide technology and product portfolio. With around 2,700 employees and 39 subsidiaries in 19 countries, the family-owned group of companies is always close to the customer. Baumer provides clients in most diverse industries with vital benefits and measurable added value by worldwide consistent high quality standards and outstanding innovative potential. Learn more at [www.baumer.com](http://www.baumer.com) on the internet.

|  |  |
| --- | --- |
| **Press contact:**  Nicole Marofsky  Marketing Communication  Vision Competence Center  Phone +49 (0)3528 43 86 19  Fax +49 (0)3528 43 86 86  nmarofsky@baumer.com  www.baumer.com | **Company contact global:**  Baumer Group  Phone +41 (0)52 728 11 22  Fax +41 (0)52 728 11 44  sales@baumer.com  [www.baumer.com](http://www.baumer.com) |