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Press Message

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CE marking for robot assistance systems of the BMW Group - Pilz protects HRC applications in car production

Ostfildern, 18.06.2018 - **For safety when working with robot assistants, the BMW Group works together with Pilz: the automation company carries out the conformity assessment including final CE marking. That enables Pilz to ensure safe human-robot collaboration (HRC) at multiple production sites of the BMW Group.**

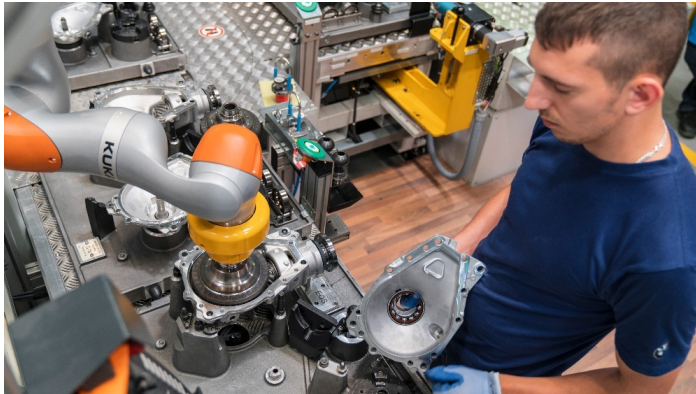
One of the particular challenges when it comes to safety is presented by workstations where [humans and robots](#) work together without [guards](#). Here the BMW Group both in Europe and in the USA is trusting in the [expertise](#) of Pilz: the automation company is conducting the conformity assessment procedures required by law at a variety of production sites of the BMW Group in Germany, England and the USA, from [risk assessment](#) through the [safety concept](#) and [validation](#) to the [CE marking](#) of multiple applications.

Pilz takes responsibility worldwide

Pilz signs the final declaration of conformity as authorised representative, taking responsibility for ensuring that every [application](#) meets the requirements of the respective market. The BMW Group employs flexible robot assistance systems in its production. Here workers and robots work together “hand in hand” in the most confined of spaces - entirely without safety fences.

Touching, yes - injuring, no

While there may and can be collisions between humans and machines, these must never present a danger to the humans. That's why the validation of HRC applications takes on particular importance: the experts from Pilz use a safe and reliable measuring process to determine whether the possible collisions are acceptable in terms of safety. With the BMW Group, as with other customers, Pilz uses a [collision measuring set](#) it has developed in-house.



Caption: Human-robot collaboration in axle drive assembly, BMW Group Dingolfing plant: BMW Group is working together with Pilz on safety. Image: BMW Group

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In our social media channels we give you background information concerning the company and the people at Pilz, and we report on current developments in Automation Technology.



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