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Press Message

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## **New module for bending angle measurement on the camera-based protection system PSEnvip 2 from Pilz - Making bending processes more productive!**

Ostfildern, 06.04.2021 - **A new module for bending angle measurement is now available for the camera-based protection system PSEnvip 2 from Pilz, which forwards usable image data to the press controller. So the operator sees the bending angle value directly on the user interface (HMI) when press braking, removing the need for expensive angle measurement systems and complex manual measurements. So the time and costs involved in the initial and subsequent adjustment of the system are reduced to a minimum. The bending process can be implemented productively and safely with PSEnvip 2, thereby guaranteeing high availability on press brakes.**

Over and above the time and cost savings, users also save space that would otherwise be needed to install additional devices.

### **Innovative technology even for rugged applications**

The [camera-based protection system PSEnvip 2](#) from Pilz monitors the whole bending process using innovative optics. When installed on the upper die of the press brake, the PSEnvip 2 detects even the smallest foreign body in the protected field between the transmitter and receiver, enabling productive work practices in complete safety. Instead of a laser light source, PSEnvip 2 uses an LED-based solution, in which simple illumination of the receiver along the upper tool is sufficient. Even under rugged application conditions, with vibration, reflection and external or diffused light for example, the protection system guarantees very high availability.

### **All-round package for safe press braking**

The camera-based protection system PSEnvip 2 offers maximum safety for press brakes as a complete solution with the Fast Control Unit in the [automation system PSS 4000](#) in accordance with EN ISO 12622. The complete solution guarantees faster processing, so a shorter overrun distance and therefore an even faster shutdown of the bending processes. Maximum productivity and simple handling make for an efficient bending process.

You can find more information about [PSEnvip here](#)



**Caption:** A new module for bending angle measurement is now available for the camera-based protection system PSEnvip 2 from Pilz, which forwards usable image data to the press controller. (Photo: Pilz GmbH & Co. KG)

You can find texts and images for downloading at:

<https://www.pilz.com/en-INT/company/press/messages/articles/227744>

### **Pilz - The Spirit of Safety**

Pilz is a global supplier of products, systems and services for automation technology. As a pioneer of safe automation, Pilz creates safety for human, machine and environment. Founded in 1948, today the family business with its head office in Ostfildern is represented worldwide with 2500 employees in 42 subsidiaries and branches.

The technology leader offers complete automation solutions for Safety and Industrial Security on the machine. These include sensor, control and drive technology - as well as systems for industrial communication, diagnostics and visualisation. An international range of services with consulting, engineering and training completes the portfolio. Pilz solutions are used in many industries beyond mechanical engineering, such as intralogistics, packaging, railway technology, or the robotics sector for example.

### **Pilz in social networks**

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.



<https://www.facebook.com/pilzINT>



[https://twitter.com/Pilz\\_INT](https://twitter.com/Pilz_INT)



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