

**Automatica 2016 in Munich****Mayser makes robots safe**

***Ulm, 9th May 2016 – From 21st to 24th June, Mayser will present itself for the first time as an HRC system supplier at the Automatica in Munich. In Hall B05, on Stand 513, the company will showcase safety concepts specially geared to robotics. The systems feature pressure-sensitive and capacitive 3D components, ultrasonic safety devices, area sensors and soft covers. In these solutions, Mayser applies to robotics the vast expertise it has gained from the automotive and industrial fields. The systems are designed to ensure top protection of humans working with robots.***

Today's production processes are becoming increasingly automated, with humans and robots collaborating ever more closely. The benefits are obvious: increased productivity, higher quality, more flexibility and reduced strain on workers. However, the close human-robot collaboration leaves no room for safety guards. Now, Mayser has developed new safety concepts that guarantee human protection during work with robots.

**3D collision protection for more safety**

One system component from Mayser that guarantees safety during collaboration is the company's 3D collision protection. It features pressure-sensitive and capacitive arm and joint safety devices that protect workers from or during contact with the robot. To achieve this,

the moving elements are encased in PU foam. Its sensitive skin reacts to slight pressure or approach of the employee. To develop its 3D collision protection systems, Mayser draws on its many years of experience in medical technology – e.g. with mobile computer tomography units. The pressure-sensitive safety systems are practice-proven, offering high safety and robustness.

The 3D collision protection can be individually adapted to the robot's geometry. It is resistant to outside materials such as diluted acids, cleaning agents and lubricants. Mayser also supplies a soft cover without tactile sensors which gives the robot a soft appearance. This is designed to reassure employees working with the robot.

### **Tailor-made safety concepts**

Apart from the 3D collision protection, Mayser HRC safety solutions include area sensors and non-contact systems such as safe environment recognition with ultrasound (USi Safety). These systems are suitable not only for new development of HRC-capable robots, they can also be retrofitted into non-HRC-capable robots.

With its HRC systems, Mayser is targeting robot manufacturers, system integrators and users who want to make automated workplaces safe for humans.

*Characters: 2,481*

Pressebogen  
Press release  
Pers informatie  
Comunicato stampa  
Información de prensa

## About Mayser

Mayser is an internationally operating group of companies with three business fields: safety technology, foam and moulding technology and metal foam. The company's roots stretch back to 1800. Mayser has evolved into Europe's leading manufacturer of tactile sensors for safety technology. Mayser is a partner to many branches of industry whose requirements for tailor-made system components has increased with the advance of automation in many areas of life and work. Sensors from Mayser are used to protect industrial production plants, on automatically controlled doors, gates and windows, on bus and train doors, in stage, furniture and medical technology as well as on electrically operated tailgates, sliding doors, hinged windows or sliding roofs in cars.

## Image material

Image 1



Image 2



3D collision protection from Mayser: pressure-sensitive and capacitive arm and joint safety solutions protect humans from or during contact with robots.

Image 3



From 21st to 24th June, Mayser will present itself for the first time as an HRC system partner at the Automatica in Munich.