



ROBOTICS

Devices and Method for Calibrating Industrial Robots

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What we are looking for

We are looking for a suitable partner to enter into license deal/co-development partnership

What it is needed for?

This invention shows a tool, a calibration element and a method for calibration of a mechatronic system.

The idea behind this invention is to make the body of a calibration tool designed so that the tool itself can be coupled with a mechatronic system.

The proposed platform then aims to solve problems related to management of product variants and poorly repeatable geometries of the assembled components.

These problems, in fact, often cause long programming times, low flexibility and non-optimal cycle times.

The invention proposes to overcome this by changing the programmer's work from definition and implementation of low-level work cycles, to definition of a unique simple high-level recipe so that an algorithm generates automatically optimized missions for the robot.

Advantages

- Simplification in programming process of robotic islands;
- Elimination of costs and delays;
- Reuse of recipes already developed in contexts and with different robots / customers;
- Extreme simplification of after-sales assistance

Applications

- All industrial robotic applications that require precision calibration of working areas
- Robot manufacturing applications
- Software design of robotic islands

TRL scale

