Industrial robot programming by demonstration using stereoscopic vision and inertial sensing

CHALLENGE

Task/operations teaching system, transparent to the human operator and without the need for programming knowledge.

SOLUTION

- Solution based on a luminous 6DoF marker and an artificial vision system;
- It is only necessary to attach the marker to the operator's tool;
- It has an integrated solution based on inertial sensors capable of dealing with temporary occlusions of the marker in relation to the vision system;
- It has interfaces for use with the main industrial robot brands on the market.

APPLICATION

Robotized system for applying functional coatings on the surface of technical parts.

TECHNOLOGIES

Advanced Automation, Control & Industrial Robotics

SCAN ME!

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