

3D-PROMPT

FAST AND TARGET 3D OBJECT RECOGNITION

Your benefits

The daily grind in manufacturing: new products are introduced and product changes occur, machines are extended or reengineered, increasing numbers of variants. Industrial image processing has to master this complexity in part and workspace preparation. Absolute flexibility is a must: from integration of standard robot and camera system through to software with a variety of protocols and interfaces.

The PROFACTOR Group has the right solutions. The 3D-PROMPT product family makes your production processes robust and cheap.

- Fast integration with existing processes
- Reduction of downtime
- Simple customer-side implementation
- Plug&Play for new hardware

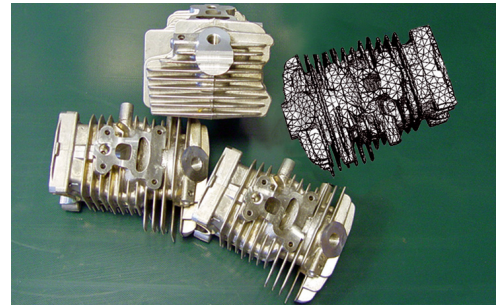
Functional description

3D-PROMPT is a pervasive approach to 3D image processing. The chain starts with the design and development of suitable 3D sensors. Extremely precise, and robust laser measurement guarantees customer-specific integration. The next step is precise analysis and evaluation. For the PROFACTOR Group, 3D object recognition means identification and targeted manipulation of work pieces.

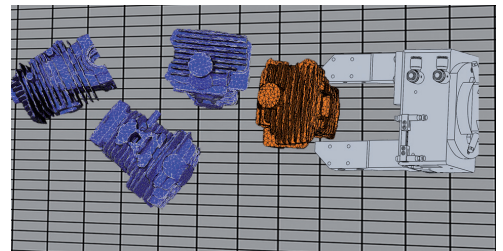
Industrial solutions

3D-PROMPT by PROFACTOR has proved its value in a variety of industrial projects and is now deployed in the following applications:

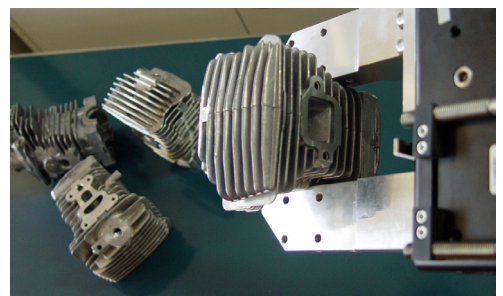
- Customer-specific sensor technology
- Automatic work piece recognition: 3D sensors recognize and identify objects within a fraction of a second
- Automatic work piece identification: targeted object manipulation
- Automatic work piece tracking: tracking of parts in the production sequence by 3D imaging
- Automatic OK/NOK part monitoring



Automatic work piece position recognition



Automatic process planning (e.g. gripping process)



Automatic process execution

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