**www.machinevision.nl**

# On-The-Spot
## Advanced Robot Vision Guidance

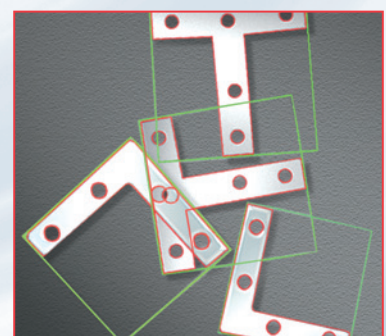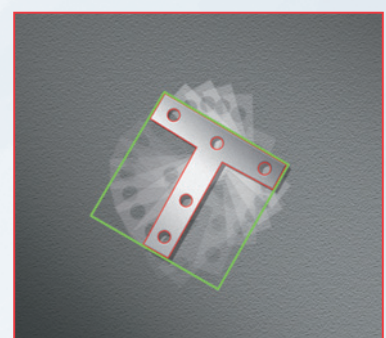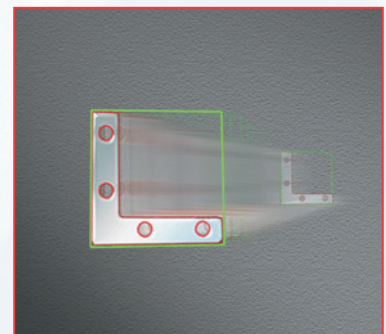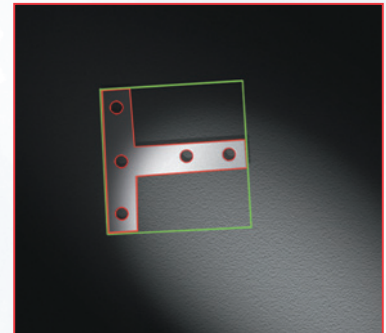| | |
|---|---|
| **Camera** | **Digital Line Scan or Area Scan** |
| **Features** | **Calibration and object training** |
| | **Conveyor tracking** |
| | **Quality control tools** |
| **Algorithm** | **MIL GMF Geometric Model Finder** |
| | **BLOB finder** |
| | **Model finder Rotation** |
| | **0 – 360 degrees** |
| | **Scale 50 – 200%** |

Speed and accurate picking are key for your advanced robot application. With the On-the-spot robot guidance a High-speed Picker robot can pick any object from a moving conveyor without the need of an inflexible feed solution.

On-the-spot gives you the flexibility to:
• Put your product into a package (e.g. tray, crates) with a specified orientation or…
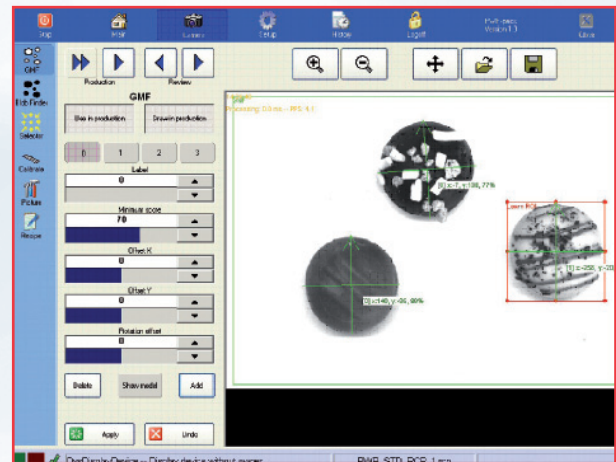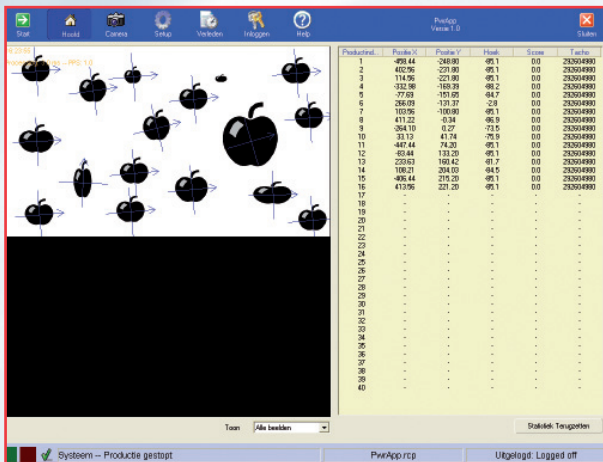• Simply detect and remove downgraded products from a fast moving conveyor belt.

**Flexible picking of different objects**
To achieve optimum picking of your product, accurate measurement of the product is necessary to determine the pick coordinates.
An innovative Geometric Model Finder tool is capable of locating a model (or multiple models) quickly and accurately at any position and angle, at any scale from 50-200 percent. The embedded controller transfers real-time picking coordinates to the robot controller

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## Features and benefits

| | |
|---|---|
| The camera system is insensitive for environmental lighting variation | Accurate picking coordinates |
| Tracking of the objects by using encoding information of the conveyor belt | Accurate picking coordinates |
| Using advanced image processing tools | Accurate picking coordinates |
| The software is monitoring the calculation speed of the image processing in order to work real-time | Easy optimizing the conveyor belt speed at complex models |
| Windows environment and touch screen | Easy learning, familiar look and feel for your operators |
| Selectable simulation mode during production | The operator can prepare the next Production run or simulate current For optimalization |

*Geometric Model Finder software is a product from Matrox Imaging Ltd.*
*Windows is a trademark of Microsoft Corporation*

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