Keeping an eye on everything

- Brilliant appearance
- Simple operation
- High productivity
- Prepared for every task
High productivity
thanks to sensitive cameras with high resolution

With VisionLine, you have sensitive cameras with high resolution, which contribute to efficient production thanks to short exposure times and fast image capture. The ability to focus throughout the entire marking volume independently of the laser focus allows sharp image capture at all times for the best results.

Simple operation
thanks to intuitive user interface and feature library

Using the image processing software is now even easier: From setting up a new component to using predefined features and specifying parameters such as exposure times – you can quickly achieve the desired result.

Brilliant appearance
thanks to modern lighting functionality

Smart Capture can be used to create homogeneous lighting conditions on a wide range of materials. This creates the ideal conditions for marking highly reflective surfaces – with excellent contrast effects. An even greater reduction in reflections can be achieved with the VisionLine Light Diffuser.

Prepared for every task
thanks to modular design and individual functions

You are optimally prepared for finding and checking the marking position and the distance to the workpiece.

360° process control
from import to quality check

The standard package already includes:
– Real-time view during manual component positioning
– Automatic distance measurement in the entire marking area

Add further functionalities as required:
VisionLine Detect: Feature detection (e.g. circles, lines, crosses)
VisionLine Model: Learning and retrieving simple and complex geometries. This ensures that the marking process is always carried out in the correct position.
VisionLine Code: Reads and grades barcodes and 2D codes
VisionLine OCR: Reads and grades text and numbers

Further information on image processing solutions: www.trumpf.com/s/image-processing-marking-applications

TRUMPF VisionLine image processing

<table>
<thead>
<tr>
<th>Available marking lasers</th>
<th>TruMark Series 3000</th>
<th>TruMark Series 5000</th>
<th>TruMark 6030</th>
<th>TruMark 7050</th>
<th>TruMicro Mark Series 2000</th>
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<tbody>
<tr>
<td>Available focal lengths</td>
<td>mm</td>
<td>160</td>
<td>250</td>
<td>254</td>
<td>160</td>
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<tr>
<td>Available marking workstations</td>
<td>mm</td>
<td>TruMark Station 5000, TruMark Station 7000(3)</td>
<td>TruMark Station 7000</td>
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<td>Supported codes</td>
<td>BC412, Codabar, Code 39, Code 93, Code 128, EAN 8, EAN 13, EAN 14, GS1-128, GS1 Databar, Industrial 2/5, Interleaved 2/5, UPC-A, UPC-E, Data Matrix, QR, Aztec, PDF417, Maxicode</td>
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<td>Smallest readable module size(2)</td>
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<td>Typical image processing time(2)</td>
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<tr>
<td>Typical accuracy position detection(1,2)</td>
<td>μm</td>
<td>30</td>
<td>60</td>
<td>50</td>
<td>150</td>
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</tbody>
</table>

(1) In the image center, at the edge of the image. (2) Depending on the lens type and lighting. (3) Not available: TruMark 3230 in the TruMark Station 5000 and TruMark Station 7000, TruMark 520 in the TruMark Station 7000, TruMark 7050 in the TruMark Station 5000. Subject to alteration. Only specifications in our offer and order confirmation are binding.

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