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Touch-Screen Monitor
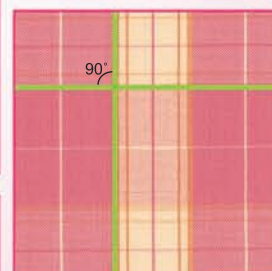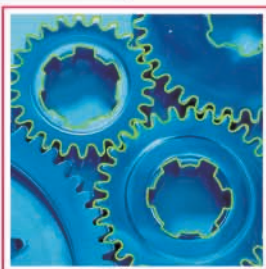
Reg.No.2001 IV S1

L-8765

Lot: 65-87-1233

EXP:

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Rejection

PLC

Trigger

MACHINE VISION SYSTEM
PC-BASED HIGH SPEED IMAGE ANALYSIS

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MACHINE VISION SYSTEM

Semitronik introduces a family of PC-based Vision Systems for high speed machine vision applications for various industries like pharmaceuticals, automobiles, packaging, electronic components and consumer goods.

The system consists of a high speed industrial machine vision camera, high quality zoom lens, touch-screen operator interface and an optional PLC system for machine control.

The camera receives a trigger from an external input which is fired when the object to be scanned is in front of the camera. Highly sophisticated image processing algorithms are implemented to perform various tasks like character recognition, barcode recognition, measurement, pattern matching etc.

The system is equipped with a user friendly software which can be operated using a touch-screen terminal. The touch-screen terminal can be additionally used to communicate with a PLC and serve the purpose of an HMI.

The unique advantage of this system is that a variety of recognition tasks can be done using the same piece of software and the touch-terminal can be utilized as an HMI.

Applications:
- OCR / OCV
- Barcode / Pharmacode
- Presence / Absence
- Measurement
- Pattern Matching
- License Plate Recognition

Features:
- High speed Machine Vision System.
- Integrated panel PC for user interaction.
- Integration with PLC for I/O.
- Modular and scalable architecture.

Specifications:
Machine Vision Camera Options:
- VGA, Mega Pixel Resolution
- Color / Monochrome
- USB / Fire Wire
- Trigger Detection
- Rejection Output

Touch-Screen Terminal:
- 10.4", 12.1" Touch-Screen
- XP- Embedded, Win CE
- 4 GB Compact Flash
- Built-in RS485 for PLC Communication
- Works as HMI for PLC

PLC I/O Cards:
- 16-16 Digital I/O
- 8-8 Analogue I/O
- USB / RS485 Interface

For further details, contact

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exelprint@gmail.com   SEMI/2N/L/9-08