

# Machine Tool Vision System

This vision system is a component for machine tools, enhancing materials processing. It provides advanced visual inspection and analysis, improving precision and quality control in manufacturing.



## Product Overview

### Machine Tool Vision System

The Machine Tool Vision System is a high-performance visual inspection and analysis component designed to enhance the precision of industrial manufacturing processes. Built for reliability in demanding environments, it integrates seamlessly with machine tools to improve quality control and operational accuracy. This robust system supports a wide range of industrial connectivity options and is designed to operate efficiently across various manufacturing conditions.

## Technical Specifications

### Processor Compatibility

- Intel i3
- Intel i5
- Intel i7

### Memory and Storage

|                    |                              |
|--------------------|------------------------------|
| <b>8 GB</b><br>RAM | <b>120 GB</b><br>SSD Storage |
|--------------------|------------------------------|

### Connectivity Ports

HDMI, VGA, Serial, USB, LAN, PCIE, PCI

## Power and Environment

### Power Requirements

|                                      |                                      |                                       |
|--------------------------------------|--------------------------------------|---------------------------------------|
| <b>100 V AC</b><br>Voltage Range Min | <b>240 V AC</b><br>Voltage Range Max | <b>500 W</b><br>Max Power Consumption |
|--------------------------------------|--------------------------------------|---------------------------------------|

### Environmental Limits

| Metric                | Range                          |
|-----------------------|--------------------------------|
| Operating Temperature | -10°C to 50°C                  |
| Humidity              | 20% to 95% RH (Non-condensing) |