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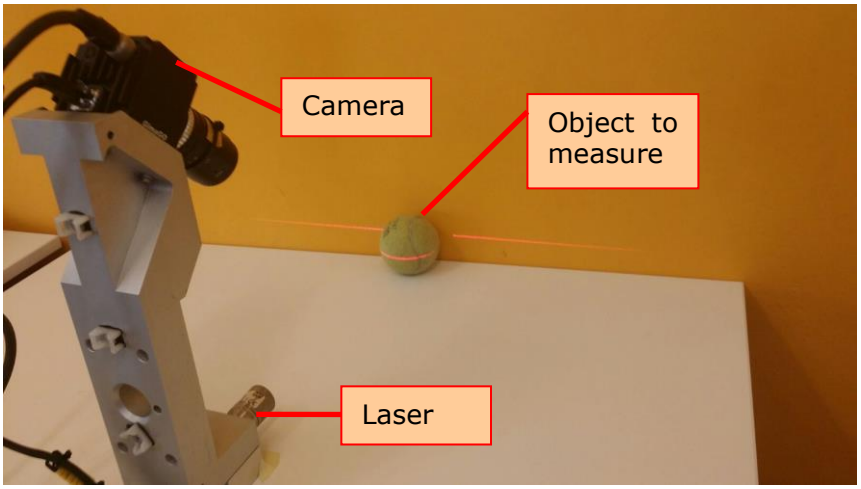
Camera Measurement System (CMS)

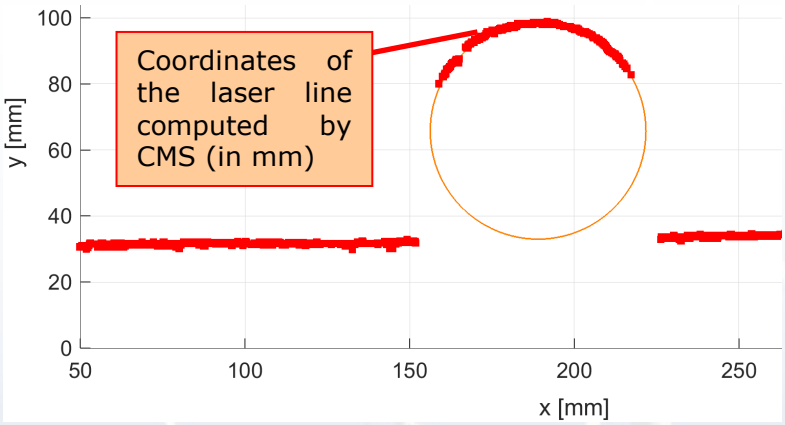
Introduction

The Camera Measurement System (CMS) is a high-resolution vision device built in coorperation with Tebulo (www.tebulo.com). CMS can accurately measure the 3D coordinates of both small and large objects.



Functional description

The CMS system projects a line-laser on an object and makes a photo of the object. The embedded software then detects the laser light projection points and computes the exact coordinates of these points. Subsequently, this information is processed further into relevant data. For instance, in case of a tennis ball, CMS can measure its diameter.



Applications

Applications of the CMS system include :

- the measurement of a steel coil's centre of gravity location (with CMS system as shown in photo to the left),
- determination of the amount of loose wraps on steel coils,
- telescoping sizes,
- strip thickness
- strip profile measurements.

Specifications

Accuracy: +/- 0.5 mm
Measurement distances from CMS to object: 0.01 – 5.00 m
Software: coded in C++
Communication with external hardware: Ethernet and Profibus

More information

For more information on the CMS system, please contact either

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