

Title (en)  
CALIBRATION OF LASER LIGHT SECTION SENSORS DURING SIMULTANEOUS MEASUREMENT

Title (de)  
KALIBRIERUNG VON LASER-LICHTSCHNITTSSENSOREN BEI GLEICHZEITIGER MESSUNG

Title (fr)  
ÉTALONNAGE DE DÉTECTEURS DE COUPE OPTIQUE LASER SIMULTANÉMENT À LA MESURE

Publication  
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Application  
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Abstract (en)  
[origin: CA2825250A1] The present invention relates to a method and a measuring apparatus (1) for measuring an extruded profile (2) using a measuring apparatus (1) during the simultaneous calibration thereof, wherein the measuring apparatus (1) is designed to produce and measure at least two laser light sections on a surface (20) of the extruded profile (2), which is being pulled through the measuring apparatus (1), by means of at least one laser light section sensor (S1-S4) from a respective, different position around the extruded profile (2), wherein the at least two laser light sections are situated essentially in one plane. In this case, the at least one laser light section sensor (S1-S4) captures at least two references and/or reference markers (31-34) from the adjacent positions together with the extruded profile (2) in a respective common measurement capture area, said references and/or reference markers being used to calibrate respective raw image data with respect to calibrated raw image data from an adjacent position. As a result, both the references or reference markers and the extruded profile (2) in the calibrated raw image data are correctly mapped in a common coordinate system from the respective position.

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