

S Y S C O N



Our Vision
is Your Future.



Concept design and performance of
inspection tasks in automation and quality
assurance using industrial image processing
and laser measurement technology

Precision and reliability made by Syscon

As a system company and service provider, SysCon GmbH specializes in the concept design and performance of control tasks in the areas of automation and quality assurance using industrial image processing and laser measurement technology.

Already since 1995, we have been delivering image processing solutions to all industrial branches, mainly the automotive industry and its suppliers, the consumer goods industry and jewelry producers as well as the food and beverage industry.

SysCon operates all over the world. Customers in Europe, Asia and America rely on our expertise in image processing.

SysCon was awarded the Innovation Prize 2000 by the Wirtschaftsförderung Rheinland-Pfalz (Economic Support Organization of Rhineland-Palatinate).

ISB Investitions- und Strukturbank
Rheinland-Pfalz (ISB) GmbH

Wirtschaftsförderung



On-site inspection: benefit from a well-co-ordinated team with many years of experience in the smooth implementation of customer-specific solutions.



QuickSweeper

■ **QuickSweeper is a stand-alone control and sorting device for small parts.**

It enables the fast geometric measuring of objects in three dimensions. Inspection of the parts' surfaces for cracks or surface defects is also possible.

Up to five high-resolution cameras serve to inspect the parts, which are fed in a stable position. Freely configurable test procedures, which are set using a simple menu, ensure QuickSweeper's high flexibility. Special inspections can be added on request.

The special in-feed concept and an upstream bunker system ensure a trouble-free 3-shift operation.

Due to simple re-fitting and handling by entering target values or teach-in of a "good" part, even small lot sizes can be run profitably. QuickSweeper works together with downstream packaging machines.



For more information on QuickSweeper, please visit our website:

www.syscon-vision.com/en/produkte/quicksweeper.html



DesignSweeper

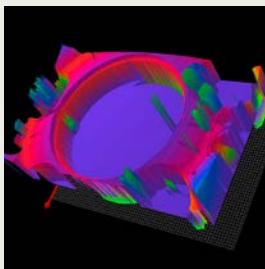
■ DesignSweeper camera systems for the identification of aluminium wheels (cast or forged aluminium rims).

DesignSweeper is effectively used in wheel production for almost all production steps – from casting to packaging. The identification of the wheel type based on the wheel design and various geometric parameters is necessary for the subsequent production steps, e.g. x-raying, selecting the machining facilities for further processing, correct packaging etc.

Additional optoelectronic sensors monitor and control the bolt-circle, the screw holes themselves, the wheel width and the rim offset.

Additional functions, e.g. identification of the valve hole position, support the unbalance test or the preparation for the helium leakage test.

DesignSweeper has been optimised for modern wheel designs and current varnishings as well as for high gloss finished or front respectively ceramic polished surfaces. This high reliability is achieved through an optimal lighting and the use of high dynamic range cameras.



For more information on DesignSweeper, please visit our website:

[www.syscon-vision.com/en/
produkte/designsweeper.html](http://www.syscon-vision.com/en/produkte/designsweeper.html)

Systems Solutions – developed by Syscon

As a system company for industrial image processing, we offer customer specific solutions in the areas of automation and quality assurance. Our solutions are based on the application of camera systems or supplementary optoelectronic sensor systems, which are used in the monitoring of product quality, control of manufacturing processes and sorting of products by a wide range of different criteria.

Every project begins with a task to be solved. Together with the customer, we then develop a specification. Following a detailed analysis of the customer's requirements and a close look at the problem at hand, we develop solution approaches, which we discuss with the customer. We then select the technically and economically optimal solution approach.

Our project work concerns the detailed implementation of this approach, resulting in a solution that can reach from software development to machines or complete lines which we build in cooperation with partners.



Right from the beginning, we focus on finding the optimal solutions for your customer specific requirements.

We are here to help!

We look forward to discussing with you your requirements and tasks without obligation for you.

Benefit from our know-how and almost 20 years of experience in the planning and realisation of customer specific applications.



Markus Auer

Dipl.-Ing. (FH)

Managing Director

Phone: +49 621 724941-10

auer@syscon-vision.de



Michael Häs

Dipl.-Ing. (FH)

Managing Director

Phone: +49 621 724941-20

haes@syscon-vision.de

SYSCON Gesellschaft für
Systemlösungen der Automatisierung
und Qualitätssicherung mbH

Ölhafenstraße 44
68169 Mannheim, Germany
www.syscon-vision.com

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