

GANTRY.SPECTOR

The machine vision gantry system for your production



High-resolution testing

efficiency increase

flexibility and adaptability



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MABRI.VISION
BEYOND MATTERS

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GANTRY.SPECTOR

The machine vision gantry system for your production

In today's fast-paced production world, companies need reliable and adaptable systems for quality control. The GANTRY.SPECTOR combines both - as a universal machine vision gantry system it is the answer to your individual inspection requirements. Thanks to its combination of state-of-the-art HALCON Machine Vision and advanced AI, it offers unparalleled precision and flexibility. Whether you position components manually or automatically: With our scalable and user-friendly system, you can optimize your production efficiency and ensure that every component meets the highest quality standards. Discover how the GANTRY.SPECTOR can revolutionize your quality control.

Our advanced pipe inspection systems cover all major quality control points - from accurate inspection of the face, inner and outer bevel, to thorough examination of the surface and weld. In addition, we offer inspection solutions for pipe inside diameters along the entire pipe length.

Experience how our Machine Vision inspection systems optimize the efficiency and quality of your manufacturing processes. With MABRI.VISION you invest in highest quality and precision for your tube production.

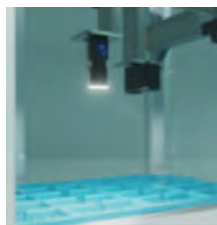


The advantages at a glance



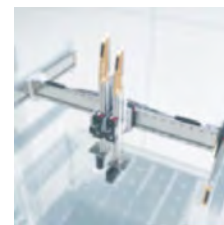
high resolution testing technology

Combination of HALCOM Machine Vision and AI for maximum precision



efficiency increase

automated quality control reduces errors and increases productivity



flexibility and adaptability

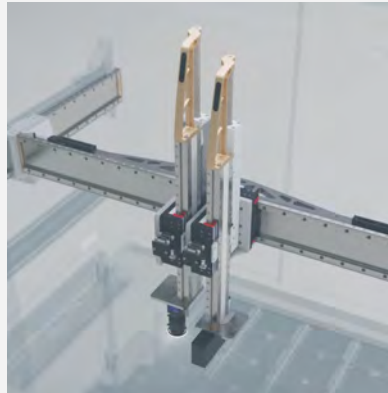
Self-controlled, individually adaptable test sequences for various products

Flexible sensorintegration.



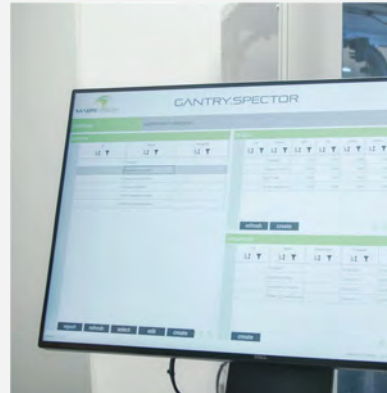
With integrated sensors, GANTRY.SPECTOR customizes to your inspection needs.

Unsurpassed precision:



Axes vary in size based on customer needs, adapting the system for diverse production settings.

Self-controlled test sequences.



Whether optimizing inspection recipes or creating new processes for fresh products, you're in control.

Minimizing errors through automation



No more human errors. Count on GANTRY.SPECTOR for flawless automated quality control.



LEARN MORE ABOUT OUR MV.BRIX PLATFORM

MACHINE VISION DATA

camera MP	2, 5, 12, 20, 31, 70
camera type	mono, color
camera image fields	4 x 4 mm ² - 800 x 800 mm ²
objectives	standard, bi-telecentric
3D Profile Sensor Line Width	8 mm - 420 mm
3D profile sensor resolution	from 0,3µm

GANTRY SYSTEM

standard travel (LxWxH)	400 x 600 x240 mm ³
maximum travel (LxWxH)	1.200 x 1.200 x 1.000 mm ³
repeatability	up to 100nm + - 300nm
speed	max 2 m/s (depending on load)
acceleration	max 5 m/s ² (depending on load)

SYSTEM

weight	approx. 400 kg
control cabinet integrated	yes
air pressure	6 bar
supply voltage	230 volt
ambient temperature	15 - 30°C
vision controller	Win 11, 16GB Ram, i5
monitor	24 inch
interface	TCP/IP, Profinet



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