# Automatic Casting Inspection the High-Speed Genius

**XC10-1100-VL**

**THE X-RAY SOLUTION**

by Christoph Grohmann

# Automatic Casting Inspection

No matter, if your parts are small,
middle or large sized,
no matter, if your parts are for cars,
trucks or motorcycles -
THIS **XC10-1100-VL** HANDLES ALL.
The carrier concept with a diameter
of 1100 mm allows single part
loading as well as multiple loading at
the time.

## XC10-1100-VL

## Parts Parameters

- ✓ Casting part size up to 1000 mm
- ✓ Part height max. 400 mm
- ✓ Part weight max. 80 kg
- ✓ Max. material thickness 120 mm

**XC10-1100-VL** is designed for fully automated and inline processed inspection of aluminium parts.
The system reaches its high level of functionality while being compact with a small footprint.
The combined features make **XC10-1100-VL** a unique inspection system accepted by quality standards
of car manufacturers worldwide.

**THE X-RAY SOLUTION**
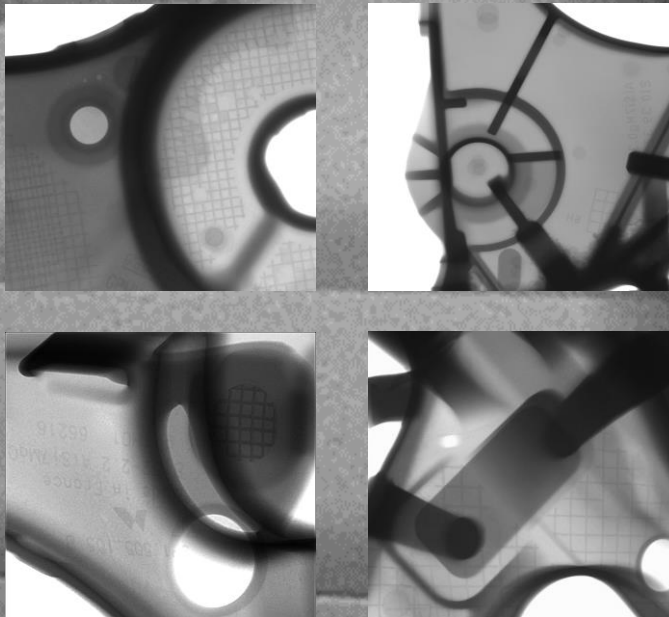*by Christoph Grohmann*

# Automatic Casting Inspection

Thanks to its new C-Frame technology, **XC10-1100-VL** reaches all necessary inspection areas without any dead-zones.

High performed fully controlled servo axes makes it one of the fastest inline casting inspection systems.

Based on integrated automatic type recognition, **XC10-1100-VL** can be used for different casting parts without any delays.

When production changes to a different product, the product specific inlet plate can be replaced within extremely short time.

**XC10-1100-VL**

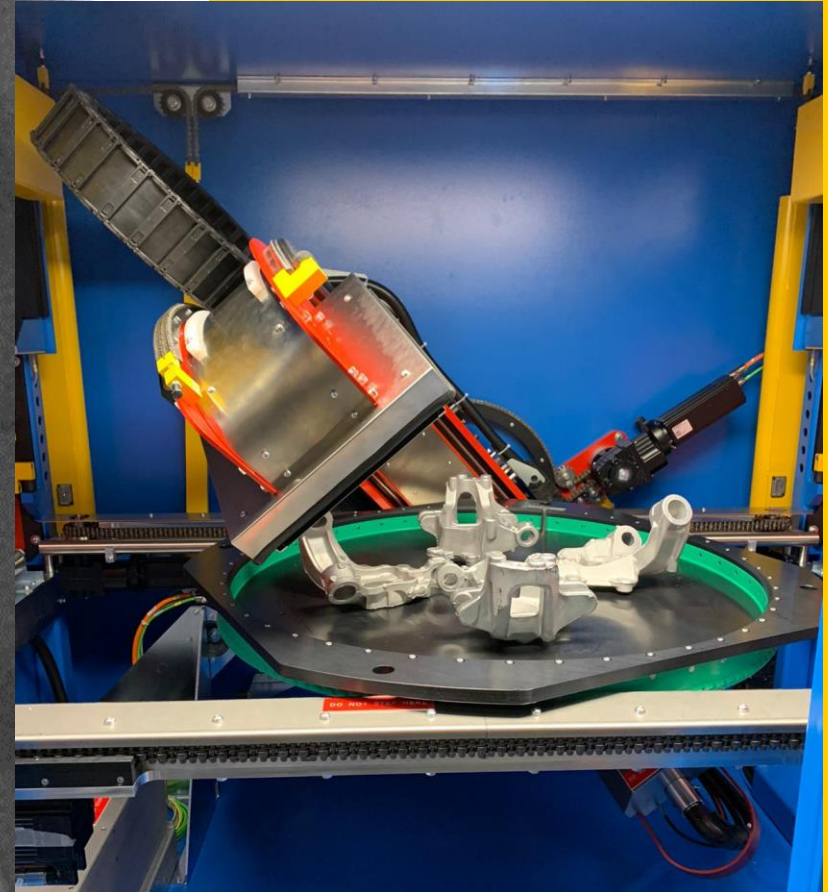**THE X-RAY SOLUTION**

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The new C-frame is designed to take 360° all around view of any specific area of the casting part. This function can be used at any time during the regular inspection and is stored as a complete 360° view video.

The wide lead glass window gives excellent view during teach-in and regular operation.
Integrated touch-pads allow real-time manipulation of all axis during teach-in, automatic and regular operation.

**XC10-1100-VL**

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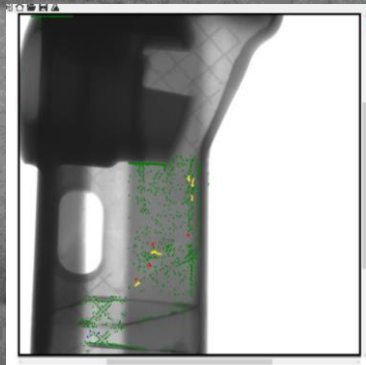


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# Automatic Casting Inspection

## ADR Software

The user interface of the ADR software is structured very straightforward, and a lot of visual tools support the user setting of a specific inspection program within short time and in an intuitive and easy to learn fashion.
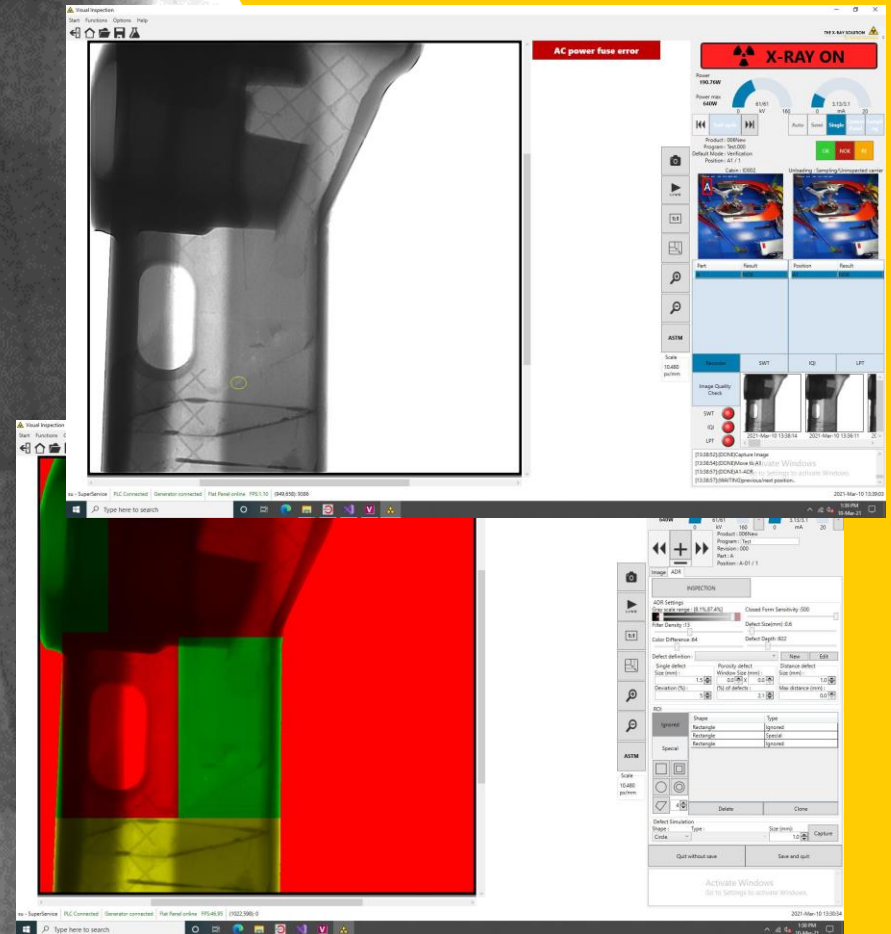
The human machine interface is designed according to the rules of ergonomic workplaces and is to be used for regular operation as well as teach-in process.

Especially during teach-in process the operator needs a good view into the machine and onto the parts while it is being moved into the specific positions.

## Special Features

✓ Manual, Semi-Auto and Automatic Mode

✓ Automatic Image Quality Check

✓ Automatic Positioning Correction

✓ Zooming

✓ ASTM Reference

**XC10-1100-VL**

Doc: Product Info Sheet XC10-1100-VL Rev00

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# Automatic Casting Inspection

## General Features

- ✓ Fully automated Inline System
- ✓ Brilliant Image Quality
- ✓ 160 kV X-ray System
- ✓ Digital Flat Panel, 300x300 mm, 145µ
- ✓ C-frame with tilting +/- 45°
- ✓ Automatic Type Recognition
- ✓ Automatic Defect Recognition - ADR
- ✓ Throughput of up to 6000 parts/day
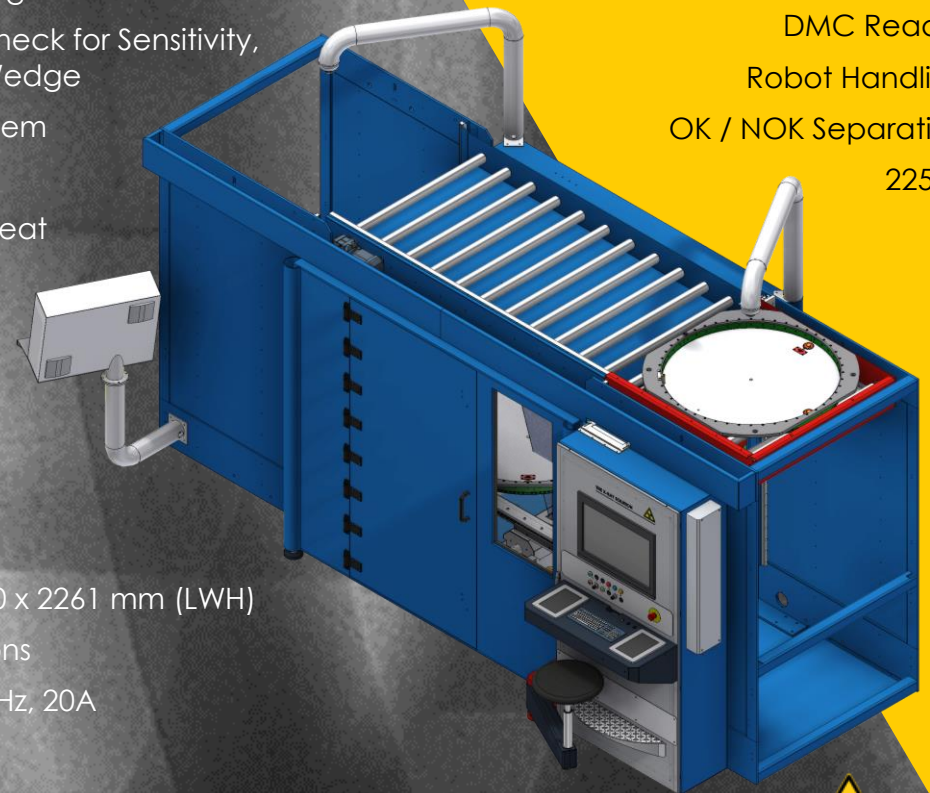
## Special Features included

- ✓ 360° All Around View
- ✓ Surveillance Cams and Tele-maintenance
- ✓ Re-check and Sampling
- ✓ Auto Image Quality Check for Sensitivity, Resolution and Step-Wedge
- ✓ Automatic Shutter System
- ✓ Statistical Database
- ✓ Ergonomic Operator Seat
- ✓ Vacuum Cleaner

## Options

Automatic Mold Recognition

Casting Deck Alarming System

Flat Panel 430x430 mm

NOK Ink Marking

Needle Printing Unit

DMC Reader

Robot Handling

OK / NOK Separation

225kV

## Technical Data

- ✓ Dimension: 4876 x 2200 x 2261 mm (LWH)
- ✓ Weight: 6.5 metrical tons
- ✓ 3P~/N/PE, 400V, 50/60Hz, 20A

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# Automatic Casting Inspection

## Our Commitment

- ✓ Highest Level of German Machine Design and Quality
- ✓ World-class Components like Siemens PLC and PC, SEW
- ✓ System Concept: immediate ready to use
- ✓ Industry 4.0
- ✓ TUV Approval Certificate
- ✓ 2 Years Guaranty
- ✓ Service Contract with 24/7 Support
- ✓ Sustainability

**XC10-1100-VL**

## ASK FOR DETAILED PERFORMANCE LIST
## XC10-1100-VL AND QUOTE

FOR MORE INFORMATION, PLEASE CONTACT
contact@thexraysolution.de

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# Contact Addresses

## Visit our Website

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