



# CR imaging Plate System

Certificate N°: BAM/ZBF/003/15  
2<sup>nd</sup> revised version



Bundesanstalt für  
Materialforschung  
und -prüfung

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Hereby it is certified by the BAM Certification Body that the

## Industrial CR Imaging Plate System

with the designation

### HD-CR 35 NDT Plus

using **Imaging Plates UH-IP**

of the manufacturer

**DÜRR NDT GmbH & Co. KG**  
**74321 Bietigheim-Bissingen**  
**Germany**

meets the requirements of the highest system class IP 1 / 30 according to EN 14784-1:2005 and ISO 16371-1:2011 for industrial computed radiography with imaging plates for non-destructive testing, if the exposure dose is at minimum 18 mGy. This dose corresponds to a CEN speed and ISO speed of 50 at a scanner pixel size of 15,5 µm. CR system performance level III according to ASTM E 2446-16 is fulfilled at an ISO speed of 400. The maximum basic spatial resolution is 30 µm. Other system classes (CEN/ISO: IP 2 / 30 to IP 6 / 30) can be reached with lower exposure dose values (see test report No. 8.3/7843 of 2015-05-25). The spider net graph with the summary of the CR system characterization according to ASTM E 2446-16 is presented in the annex of this certificate. Procedures N°. BZS-GS/089/18 and BZS-GS-/007/22 form the basis of this 2<sup>nd</sup> revised version.

The certification is performed on the basis of certification contract N° **BAM-ZBF-0022-2020-DÜRR** according to ISO/IEC 17065:2012 and comprises a design type test (BAM Certification System I).

The products certified by BAM may be labelled with the BAM certification mark „BAM Baumustergeprüft“ and/or “BAM Design-type tested“ together with the certificate number.

**The certificate is valid until 31<sup>st</sup> December 2023.**

for Bundesanstalt für Materialforschung und -prüfung (BAM)

Unter den Eichen 87, 12205 Berlin, **2022-05-04**

By order

Dr. J. Sunderkötter  
BAM Certification Officer



By order

Dipl.-Ing. B. Redmer  
Assessor

Distribution list: 1st Certificate holder

2nd BAM Certification Body

The BAM Certification Body has been accredited according to standard ISO/IEC 17065:2012 by the DAkkS (Deutsche Akkreditierungsstelle GmbH). The accreditation is valid for the scope given in certificate D-ZE-11075-21-00.

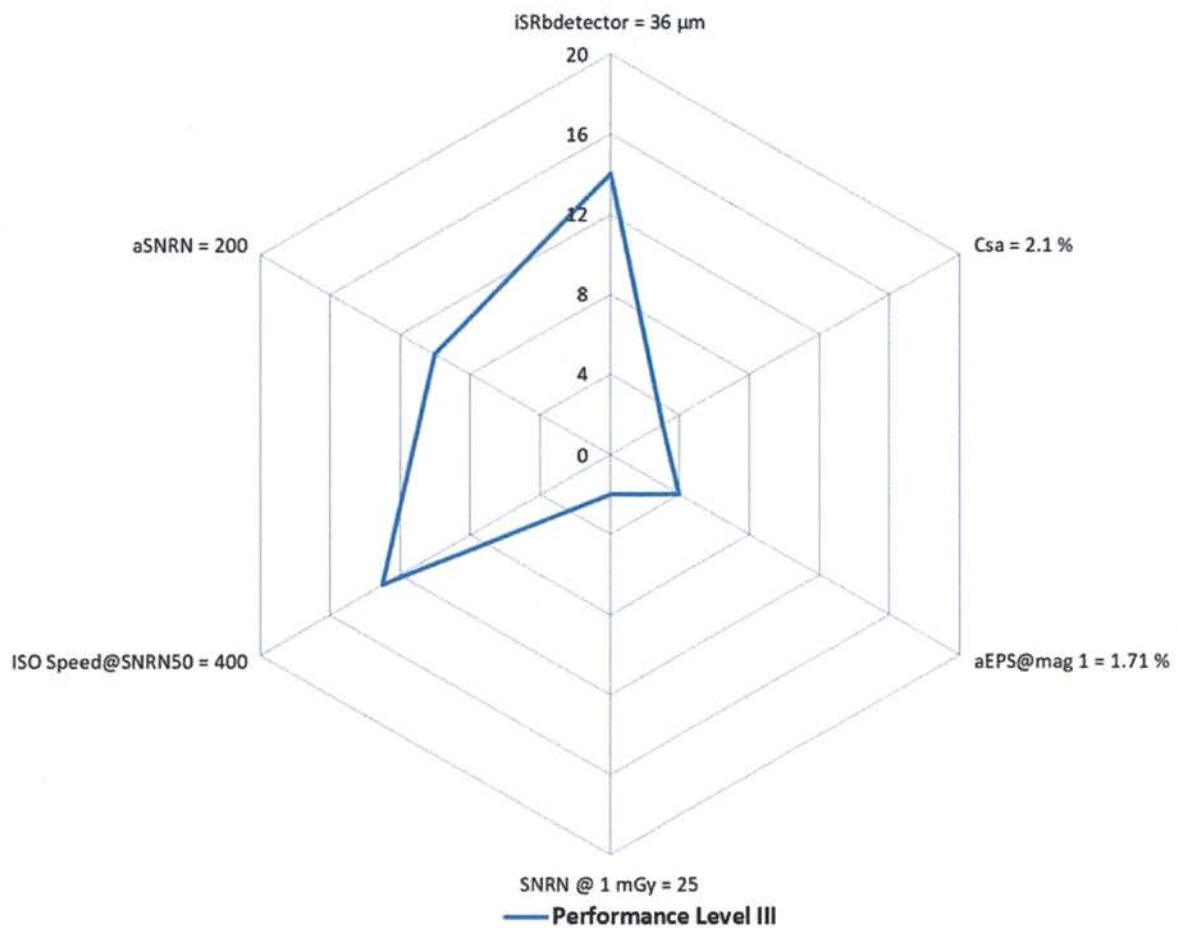
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Annex to Certificate BAM/ZBF/003/15 dated 2022-05-04:

## Qualification of Duerr HD-CR 35 NDT Plus with UH-IP imaging plates according to ASTM E 2446-16:



### System parameters:

CR scanner Duerr HD-CR 35 NDT Plus  
UH-IP Imaging plates B5CYNU  
Scan resolution 15,5 µm

