

# Radiographic Film Digitization System for Non-destructive Testing

#### Certificate Nº: BAM/ZBF/007/21

Hereby it is certified by the BAM Certification Body that the

## **Radiographic Film Digitization System**

with the designation

## Microtek NDT-2000

of the manufacturer and certificate holder

### Microtek International Inc. No. 6 Industry East Road 3 Hsinchu Science Park, Hsin-chu 30075 Taiwan, R.O.C.

meets the requirements of the digitization quality class "DS 5.5" according to ISO 14096:2005 and DIN EN ISO 14096:2020 with a maximum density contrast sensitivity  $\Delta D_{cs} < 0.02$  for optical densities  $0.37 < D_{WR} < 4.5$  (working range  $D_{WR}$ ) using the scanner mode with density range "4.5 D" and pixel size of 21.2 µm (1200 ppi) at a scanning speed of 0.16 mm/s. Lower digitization quality classes and larger pixel sizes can be achieved at higher scanning speeds; see test report No. 8.3/8681 dated 2021-08-06. Additionally, the basic spatial resolution of the above scanner mode was determined as SR<sub>b</sub><sup>detector</sup> = 70 µm.

This certification is performed on the basis of the certification contract N° **BAM-ZBF-0003-2021-Microtek** and procedure N° BZS-GS/109/20 according to standard 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 24 August 2025.

Bundesanstalt für Materialforschung und –prüfung (BAM) Unter den Eichen 87, 12205 Berlin, **2021-08-25** 

Dr. J. Sunderkötter BAM Certification Officer

Distribution list: <u>1<sup>st</sup> Certificate holder</u>



Dipl.-Ing B. Redmer BAM Assessor

2<sup>nd</sup> [

2<sup>nd</sup> BAM Certification Body

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