

TRINITY NDT WELDSOLUTIONS PVT. LTD.

Aerospace and Advanced NDT | Centre of Excellence in Welding | Training

NDT Training Outline

Visual Testing
Level I, II Courses

Brochure

 16000+ Certificates Awarded

 ISO17025 Accredited Labs

 Since 2001

 Serves 45+ Countries

Ranked in India's
10 Top Performing MSMEs

 Rise
TOP MSMEs '21
RANKING INDIA'S BEST



Recipient of
Sreshta Udyama Seva Puraskar 2022
Award from Laghu Udyog Bharati



MSME Award 2025



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Visual Testing Course Overview



- a. Identifying various weld discontinuities
- b. Understanding the relevant welding technology related to VT
- c. Understanding the need for documentation in welding
- d. Familiarity with codes and standards related to inspection
- e. Carrying out inspection of parent materials and consumables
- f. Perform visual inspection of welds, report on them and assess their compliance with specified acceptance criteria
- g. Gaining thorough knowledge about critical weld visual inspections

Training & Certification as per Written Practice Framed to Requirements of ASNT SNT TC 1A		
Initial training & Experience		
Training	Level I : 70 Hours	Level II: 140 Hours
Experience	Level I: 130 Hours	Level II: 270 Hours

Note: For Direct Level II, training and experience consists of the sum of of the hours for Level I & 2

Course Contents Outline

VT Level I Training

- 1. Fundamentals of light and lighting
- 2. Physiology of vision
- 3. Fundamentals of Imaging
- 4. Visual Weld testing practices
- 5. Effect of fatigue
- 6. Fibre optic Bore scopes
- 7. Documentation of visual testing
- 8. Analysis of visual testing

VT Level I Practicals

Light Intensity Measurements, Evaluating discontinuities in Cast, Rolled, Forged, Welded and inspection of engineering components

VT Level II Training

Same as Level I + Weld Symbols, Welding processes, Interpretation and evaluation of welds for flaws as per codes, standards and specifications, Documenting the examination results in the specified test report format

VT Level II Practicals

Same as Level I + Using Welding gauges evaluating visual testing indications as per international codes, standards and specifications

For more information, Contact us

Call/WhatsApp: +91 91413 39994 / +91 98441 29439 | E-mail: training@trinityndt.com

TRINITY NDT WELDSOLUTIONS PVT. LTD.

491, Site No.12, 14th Cross, 4th Phase, Peenya Industrial Area,
Bangalore-560 058, INDIA. M: +91 91413 39994, +91 98441 29439
E: training@trinityndt.com | W: www.trinityndt.com

