



# **Bhartia Infra Projects Limited**

**Fabrication Unit, JL-32, Mouza-Barunda,  
Po-Bagnan, Howrah, WB-711303, INDIA.**

**Tools Plants & Machinery.**

# CNC CUTTING MACHINE



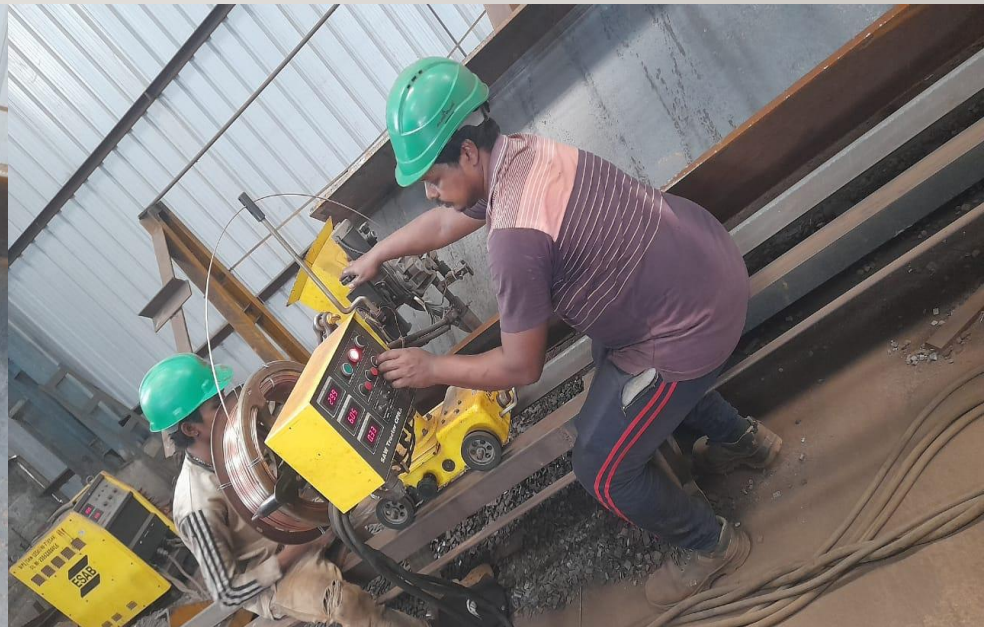
# CNC DRILLING MACHINE



# CNC WELDING MACHINE



# SUBMERGED ARC WELDING





# MIG WELDING MACHINE



# ARC WELDING MACHINE



# RADIAL DRILLING BR624



GANTRY - 02No's (30 MT/08MT)

# GANTRY - 02NO'S (30 MT/10MT)



# EOT- 06NOS (20MT/15MT/10MT)



# END MILLING MACHINE



# PLATE BENDING MACHINE



2024.08.12 15:30

# BEAM STRAIGHTENING MACHINE



2024.08.10 18:16

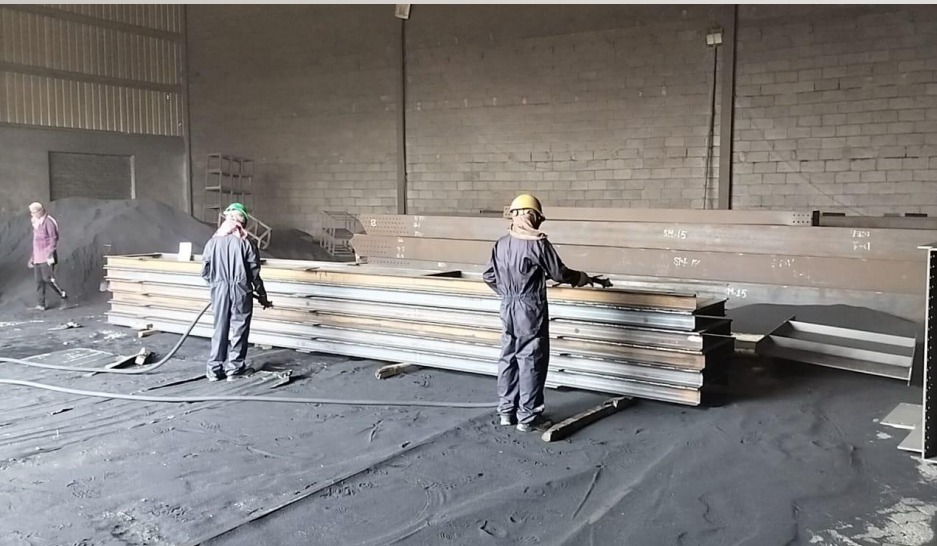
# STUD WELDING MACHINE



# AIR COMPRESSOR



# BLASTING, METALLIZING & PAINTING



# HYDRA - 07NO'S (15 MT/20MT)



vivo V50e |

26mm f/1.79 1/2100s ISO72  
07/13/2025, 09:07

vivo V50e |

26mm f/1.79 1/1988s ISO72  
07/13/2025, 08:57



vivo V50e |

26mm f/1.79 1/2600s ISO72  
07/13/2025, 09:15

vivo V50e |

26mm f/1.79 1/1261s ISO72  
07/13/2025, 09:10

vivo V50e |

26mm f/1.79 1/1182s ISO72  
07/13/2025, 09:20

# UT TEST MACHINE



**MODSONIC  
INSTRUMENTS  
MFG. CO. (P) LTD.**  
(ISO 9001:2015 Certified)



REGD. OFFICE & FACTORY: Elecon MHE Campus,  
Survey No. 340/P & 343, Anand-Sojitra Road,  
Vallabh Vidyanagar - 388 120, Gujarat, India.  
E-mail : modsonic@modsonic.com  
Web : www.modsonic.com  
CIN : U31900GJ1976PTC055623

No: UFD/E5880/2627/0180

Date: 22-04-2026

## TEST AND CALIBRATION CERTIFICATE

**PRODUCT** : DIGITAL ULTRASONIC FLAW DETECTOR  
**MODEL/SR.NO.** : Einstein-II DGS/E5880-1220  
**SUPPLIED TO** : BHARTIA INFRA PROJECTS LIMITED.  
KOLKATA.  
**VALID UPTO** : 14-04-2027

We certify that the above machine was tested and calibrated by us on 15/04/2026 in accordance with the ASTM-E317-21 using Ultrasonic Block (IIW - V1 Block) identified with Sr. No.: 2868-05-2022 calibrated / certified by NPL - New Delhi (vide Certificate No. 24090850/D1.06/C-145 dated 11/10/2024 valid up to 11/10/2026. Following are the values of the important parameters evaluated by us.

- Horizontal Linearity** : Non-Linearity within  $\pm 1\%$  (plus/minus one percent) for 0 % to 100% FS range.
- Vertical Linearity** : Non-Linearity within  $\pm 5\%$  (plus/minus five percent) for 0% to 100 % FS range.
- Resolution** :
  - Near Surface Resolution** : Modsonic Probe Type MM4SN (10mm dia. x 4MHz) could distinctly resolve a Flat Bottom Hole (FBH) of 8/64" dia. (3.175mm dia.) at a metal distance of 0.3" (7.62mm) from the near surface.
  - Far Surface Resolution** : Modsonic Probe as in 3 (A) above could distinctly resolve a Flat Bottom Hole (FBH) of 3/64" dia. (1.19mm dia.) at a metal distance of 0.25" (6.35mm) from far surface.
- Sensitivity** : Modsonic probe as in 3(A) above could distinctly detect a FBH of 1/64" dia. in Aluminium block type 1-0300 with the gain 76dB and signal to noise ratio of 6:1.
- Penetration** : Modsonic probe type M2SN (24mm dia. x 2MHz) gave little more than 5 (five) full scale reflections and 6th appearing on the perspex in V1 (IIW type) Reference Block, with noise level of about 10%.  
[Scan QR Code To Authenticate]

Calibrated By : UTPAL OZA  
Designation : SR.ENGINEER



This is a computer generated document and does not require a signature.

## ADVANCED NON DESTRUCTIVE TESTING GROUP

H.No. 260/22, Road No. 10A, Gandhi Nagar, Gurugram, Haryana – 122001.

Email : [andtgroup@gmail.com](mailto:andtgroup@gmail.com) ; Mob : +91-8789074171/9199425249

### CERTIFICATE OF PROFICIENCY

Certificate No.- 2301020011 Certificate Issue Date : 30/01/2023



This is to certify that **Mr. Subrata Bag** has met the qualification and certification requirements by successful completion of theoretical and practical training and passed the examinations as per written procedure and recommended practice No. **SNT-TC-1A(2020 Edition)** of American Society For Non Destructive Testing and has demonstrated the proficiency in the method of :

#### ULTRASONIC TESTING; LEVEL-II (Two)

| Personnel/ Training Record |                                    | Method Examination Record   |             |
|----------------------------|------------------------------------|-----------------------------|-------------|
| Education                  | : B.Sc.                            | Near Vision                 | : Jaeger J1 |
| Experience                 | : 3 Years                          | Color Vision                | : Normal    |
| Training period            | : 20/01/2023 To 27/01/2023         | Method Examination Result – |             |
| Training Hours             | : 80                               | General                     | : 86.00 %   |
| Instructor                 | : KISHOR KUNAL(ASNT NDT LEVEL-III) | Specific                    | : 83.00 %   |
|                            |                                    | Practical                   | : 83.00 %   |
|                            |                                    | Composite Marks             | : 84.00 %   |

Certificate Valid Up to: 31/12/2027

Examiner  
  
KISHOR KUNAL  
ASNT NDT LEVEL III (RT,UT,MT,PT)  
Cert. No. 224801

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#### LIQUID PENETRANT TESTING; LEVEL-II (Two)

| Personnel/ Training Record |                                    | Method Examination Record   |             |
|----------------------------|------------------------------------|-----------------------------|-------------|
| Education                  | : B.Sc.                            | Near Vision                 | : Jaeger J1 |
| Experience                 | : 3 Years                          | Color Vision                | : Normal    |
| Training period            | : 06/01/2023 To 09/01/2023         | Method Examination Result – |             |
| Training Hours             | : 30                               | General                     | : 81.00 %   |
| Instructor                 | : KISHOR KUNAL(ASNT NDT LEVEL-III) | Specific                    | : 83.00 %   |
|                            |                                    | Practical                   | : 82.00%    |
|                            |                                    | Composite Marks             | : 82.00%    |

Certificate Valid Up to: 31/12/2027

Examiner  
  
KISHOR KUNAL  
ASNT NDT LEVEL III (RT,UT,MT,PT)  
Cert. No. 224801

# CALIBRATED INSTRUMENTS





MI NOTE 13 PRO 5G

# MAGNETIC CORE DRILLING MACHINE



Shot on OnePlus  
By SKY

# MAGNETIC CORE DRILLING MACHINE



# GRINDING MACHINE



# METALIZING GUN



# SURFACE PREPARATION & METALISING EQUIPMENT



# Surface profile Tester



# Surface profile Tester calibration

## Certificate of Calibration



This product was tested and calibrated to verify compliance with published specifications.

We confirm that the product was tested and calibrated under the observation of an ISO 9001:2008 quality assurance system.

The calibration used measurement standards traceable to the National Institute of Standards and Technology.

**Product:** Surface Roughness Tester

**Model:** ACCU200

**Serial Number:** DC025031204523

**Environment Temperature:** 25°C

**Environment Relative Humidity:** 50%RH

**Display Test:** passed

**Keyboard Test:** passed

### Calibration Result:

| Standard Value | 1.63 $\mu$ m  |      |      |      |      |
|----------------|---------------|------|------|------|------|
| Tested Value   | 1.62          | 1.61 | 1.63 | 1.62 | 1.63 |
| Accuracy       | $\pm(7-10)\%$ |      |      |      |      |
| Result         |               |      |      |      |      |

# WRENCH TOOL KIT

