

THANKI ENGINEERING SOLUTIONS

Delivering Excellence in NDT

TF – 28, Suner Complex, Harinagar Crossing, Gotri Road, Vadodara - 390 007, tesndt@gmail.com, 9428173351

Introduction :-

Thanki Engineering Solutions owned and managed by Experienced Professionals in the field of world-class NDT products and solutions. We believe in providing the best Products and Reliable Service to the Customers. We provide a range of technology products and value-added services towards economical engineering solutions, catering to most of the industry segments. We build good repro with beloved Customers by providing the best Products, reliable Service and Economical solutions.

We would like to enhance the customer base all over the Country. We committed to maintain a competitive edge, by constantly adding Innovative products to our portfolio and serve the Non Destructive Testing (NDT) Community in the State with the best Engineering Solutions.

Thanki Engineering Solutions – A Single Source to cater Industrial requirements of all Types of NDT (Non Destructive Testing).

1. Ultrasonic Testing & Ultrasonic Thickness Gauging.
2. Advanced UT With Phased Array Ultrasonic Testing (PAUT) & Time of Flight Diffraction (TOFD)
3. Oxide Scale Measurement on Boiler Tubes.
4. Magnetic Particle Testing.
5. Dye Penetrate Testing.
6. Hardness Testing.
7. Visual Testing - Remote Visual Inspection (RVI)
8. Eddy Current Testing & Pulse Eddy Current Testing.
9. Industrial Radiography Testing - Film Interpretation.
10. Positive Material Identification Testing (PMI).
11. Vacuum Box Leak Testing.

We have following Verticals in our feather.

1. **NDT Sales** - We supply All NDT Equipments , Calibration blocks , Accessories & Consumables.
2. **NDT Inspection Services** - We Provide Manpower for NDT onsite with Equipment & Accessories.
3. **Calibration** of all NDT Equipments as per National / International Standards.
4. **Training** - Level I & II , Certification & Renewal in all NDT methods as per SNT TC 1 A.
5. **Consultancy**, E-Guidance & AMC of all activity in eLora as per AERB.
6. **NDT Level III Services** - Recertification , NDE Written Practice as per SNT TC 1 A & Procedure Preparation as per ASME/EN Standards
7. Component Level Repairing & Servicing of NDT Equipments.
8. Customization of NDT Techniques for special jobs i.e. Bond Testing , Oxide Scale ,
9. Skilled Manpower supply for Third Party Inspection , Witness , Projects & Shutdown jobs.
10. Product inspection from Raw Material to Final Stage.

Warm Regards,

Viral Thanki (Proprietor)

URL - www.thankiengineering.com

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WHAT IS NDT?

Nondestructive Testing (NDT) plays an important role in assuring that structural and mechanical components perform their function in a safe, reliable, and cost-effective manner. NDT technicians perform the necessary tests to locate the indicators and discontinuities that may cause failures or shut downs in such systems. These tests are performed in a manner that does not affect the future usefulness of the object or material – hence, the name “nondestructive.” NDT allows for careful and thorough materials evaluation without the need for deconstruction or damage. NDT is typically used at various points in a part’s life cycle. NDT can be used prior to the use of a component for the sake of quality control. NDT is also employed while components are in use to detect service related conditions caused by wear, fatigue, corrosion, stress, or other factors which affect reliability.

NDT Technologies Include:

Visual and Optical Testing (VT) :-

Visual Examination can be an effective way to recognize surface imperfections that could adversely affect a part or component. Visual Examiners use knowledge of how a part is manufactured, the function of the human eye, lighting requirements, and precise measuring tools to evaluate materials. Computer controlled camera systems and optical aids such as borescopes may also be used to recognize and measure features of a component.

Radiography (RT) :-

Radiographic Examination involves using radioactive isotopes (gamma rays) or X-rays on materials to peer qualitatively for indications the same way a doctor looks for fractures or other conditions within the body. Radiation is directed through a part and projected onto film or a digital detection device leaving an image which can be examined by the qualified Radiographer.

Ultrasonic Testing (UT) :-

Ultrasonic Examination uses high-frequency sound waves which are transmitted into a material to detect discontinuities or locate changes in material characteristics. Sound is introduced into the object being examined and reflections from internal imperfections, areas of acoustic impedance, or varying geometrical surfaces are returned to a receiver.

Magnetic Particle Testing (MT) :-

Magnetic Particle Examination is accomplished by inducing a magnetic field into a ferromagnetic material and applying iron particles to the surface of the item being examined. Surface and near-surface discontinuities affect the flow of the magnetic field within the part causing the applied particles to gather at locations of flux leakage, thus producing a visible indication of the irregularity on the surface of the material.

Penetrant Testing (PT) :-

Penetrant Examination is performed with a dye solution. Once applied to the surface, the dye will effectively penetrate any surface-breaking cavity. Excess solution is removed from the object. A developer is then applied to draw out any penetrant that remains unseen. With fluorescent dyes, ultraviolet light is used to make the “bleed-out” fluoresce brightly, allowing imperfections to be readily seen. With visible dyes, a color contrast between the penetrant and developer makes the "bleed-out" easy to see.

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TES Product Range

Thanki Engineering Solutions, is one of the prominent **Supplier** of a comprehensive range of **Non Destructive Testing and Measuring & Monitoring Instruments** across the globe. we have successfully achieved the market credibility within a short span of time by offering our clients with All types of NDT and Measuring & Monitoring Instruments , We make use of high grade raw material that is procured from reliable vendors to ensure the quality of the final instruments to design and develop our complete product range to make it in compliance with the industry standards. Supplied instruments are highly appreciated for accurate results, auto Power off to save energy, optimum performance, low maintenance and easy operation.

ULTRASONIC TESTING :-

1. ULTRASONIC FLOW DETECTOR :-

SR. NO.	MODEL	DESCRIPTION
1	OMNISCAN MX	OLYMPUS Make Multi Channel Advance Ultrasonic Flaw Detector With PAUT & TOFD for Weld Inspection , MX , MX2 Series with Scanner and Accessories.
2	OMNISCAN SX	OLYMPUS Make Basic Single Channel Advance Ultrasonic Flaw Detector With PAUT & TOFD for Weld Inspection , SX Series with Scanner and Accessories.
3	EPOCH 650	OLYMPUS Make A Scan Digital Ultrasonic Flaw Detector with Accessories.
4	Arjun 10 / 30	Modsonic Make Digital Ultrasonic Flaw Detector With Accessories and Calibration Certificate traceable to NABL.
5	Einstein II DGS	Modsonic Make Digital Ultrasonic Flaw Detector With Accessories and Calibration Certificate traceable to NABL.
6	Einstein II TFT	Modsonic Make Digital Ultrasonic Flaw Detector With Accessories and Calibration Certificate traceable to NABL.

2. ULTRASONIC THICKNESS GAUGE :-

SR. NO.	MAKE	MODEL	DESCRIPTION
1	ACCUPLUS	MT 180	Digital Ultrasonic Thickness Gauge With Echo to Echo for Through Coating ,Data Logging , Range - 1 to 600 mm with LC 0.01 mm.
2	ACCUPLUS	UTG 222	Digital Ultrasonic Thickness Gauge With Data logging , Range - 1 to 300 mm with LC 0.01 mm.
3	ACCUPLUS	UTG 111	Digital Ultrasonic Thickness Gauge, Range - 1 to 300 mm with LC 0.1 mm.
4	OLYMPUS	38DLP	Digital Ultrasonic Thickness Gauge, With Oxide Scanning , A Scan , Through Coating , Multilayer Option.
5	OLYMPUS	MG 45	Digital Ultrasonic Thickness Gauge, With A Scan &Through Coating Option.
6	OLYMPUS	MG 27	Digital Ultrasonic Thickness Gauge.

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UTG ACCESSORIES :- Suitable Probes for ACCUPLUS MAKE UTG MODEL MT 180 , UTG 222 & UTG 111

Model	Freq MHz	Diameter Mm	Measuring Range	Supporting Model	Description
P5EE	5	10	P-E : 2-300mm E-E : 3-50mm	MT 180	Normal Measurement
N05	5	10	1-300mm	MT 180 , UTG 222 & UTG 111	Normal Measurement
N07	7	6	1-200mm		For small curvature
HT5	5	14	1-300mm		For High Temperature (Up to 300 ⁰ C)

UFD ACCESSORIES :-

SR. NO.	DESCRIPTION
1	COAXIAL CABLES (SWISS LEMO Make)
	Lemo to Lemo 2 mtrs. (Single and Dual With Sleeve)
	Lemo to Mini Lemo 2 mtrs. (Single and Dual With Sleeve)
	Lemo to Microdot 2 mtrs. (Single and Dual With Sleeve)
	Lemo to BNC 2 mtrs. (Single and Dual With Sleeve)
	BNC to BNC 2 mtrs. (Single and Dual With Sleeve)
	BNC to Mini Lemo 2 mtrs. (Single and Dual With Sleeve)
	BNC to Microdot 2 mtrs. (Single and Dual With Sleeve)
	Cable Microdot to Microdot 2 mtrs. (Single and Dual With Sleeve)
	Mini Lemo to Mini Lemo 2 mtrs. (Single and Dual With Sleeve)
	Mini Lemo to Microdot 2 mtrs. (Single and Dual With Sleeve)
2	CONNECTORS & ADAPTORS
	LEMO 00 , LEMO 01 , BNC , Microdot , UHF, Any Type LEMO Connector.
	LEMO to BNC , BNC to LEMO , BNC to MiniLemo , MiniLemo to BNC , LEMO to Minilemo Adaptor and customized as per the requirement.
	Ultrasonic Testing System Water Proof Connector and Adaptor.
3	CALIBRATION BLOCKS
	V1 - Test Block type V1 as per IIW / EN / ISO
	V2 - Test Block type V2 for miniature angle probe as per IIW / EN / ISO
	Step Block for thickness calibration 10 steps, 1 mm to 10mm or 2mm to 20mm
	ASME BASIC Calibration Block, Specify Thickness required. (19 / 38 / 75 mm Thickness).
	ASTM-AA - ASTM Area Amplitude Set of 8 Nos. Specify Steel or Aluminum
	ASTM-DA - ASTM Distance Area Amplitude Basic Set 10 Nos. Specify Steel or Aluminum
	ASTM-DA19 - ASTM Distance / Area Amplitude Complete Set of (19 Nos) ,Specify choice of 3/64" or 5/64" or 8/64" FBH and Steel or Aluminum.
	ASTM-SR Sensitivity Resolution Set of (9 Nos) and one special block.
	ASTM-DC Shear Wave Distance Calibration, Specify Steel or Aluminum.
	ASTM-SC Shear Wave Sensitivity Calibration,Specify Thickness required.
	I.O.W.- A5 (Beam Profile Block)
	NOTCH preparation in Pipe and Plate as per the Standards.
Customized FBH / SDH as per the Customer Requirement.	

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4	MEMBRANE/CONTOR SHOE/WAGES		
	Replaceable Protective Membrane (1 set of 10 nos.) suitable for 10 mm dia probe.		
	Replaceable Protective Membrane (1 set of 10 nos.) suitable for 24 mm dia probe.		
	Spare Soles suitable for Angle Probes - 8x9mm , 14x14mm , 20x22mm Crystal Size (Set of 10)		
	WA - 45,60,70 degree Angle Wedges for 5 mm , 10 mm , 24mm Dia Normal Probe		
WACC - Curvature wedge, 45/60/70 deg. (Specify the Angle & Curvature OD or ID)			
5	Ultrasonic Testing PROBES (Transducers) :-		
	Freq. MHz	SIZE mm	APPLICATION
A	NORMAL PROBES - For detecting defects which are oriented parallel to the test surface. e.g. Plates, Forgings, Castings, Bars, Flats etc.		
	0.5,1,2,2.2 5,2.5,4,6	24	0.5 MHz,1 MHz – for very coarse grain material. 2 MHz,2.25MHz, 2.5 MHz - for medium size grain material
	0.5,1,2,2.5 ,4, 6,10	10	4 MHz , 5 MHz - fine grain material & 6 MHz - very fine grain material 10MHz-very fine grain material for best sensitivity & resolution
B	DUAL CRYSTAL NORMAL BEAM PROBES – For detecting defects oriented very near to the test surface (subsurface), wall thickness measurement of new components or remaining wall thickness of eroded/corroded components. e.g. Thin Plates, Pipes, Tubes etc.		
	2,4,5,6	24	For large components which can give full contact to probe surface & also for high gain reserve – With Mini Lemo Female Sockets.
	2,4,5,6, 10	10	For small size components and better detectability due to smaller “crystal size” to “flaw size” ratio – With Mini Lemo Female Sockets.
	4,5 6,10	5	For very small components where area of access or control area is extremely limited ratio – With Potted cable with Big Lemo Male Plugs.
	4	10	For testing of Plates, With replaceable contour correction Attachment to increase Probe life.
	4,5,6	5,10	For testing of Pipes, Tubes and Bars. With replaceable contour correction wedges “CTRF” type suitable for Dia of Pipe / Tube / Bar to be fitted on the probe, Suitable Range 10 to 19 mm dia. – With 3 mtr. Potted cable with Bigi Lemo Male Plugs.
C	ANGLE BEAM PROBE (38,45,60,70,80,90 DEGREE) - For detecting defects which are oriented at an angle to the last surface & to scan in accessible areas or parts with complicated geometry e.g. Welds, Pipes, Tubes, Bars, Gears etc.		
	2,4	20X22	For large components which can give full contact to probe surface & high gain reserve– With Big Lemo Female Socket
	2,4	14X14	For large components which can give full contact to probe surface & high gain reserve – With Big Lemo Female Socket
	2,4	2,4	For small size components and better detectability due to smaller "crystal size" to "flaw size" ratio. – With Mini Lemo Female Socket
	2,4	5X5	Fingertip Angle Beam Probes For very small components where area of access or contact area is extremely limited.

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SPECIALIZED / CUSTOMISED ANGLE BEAM PROBE			
	Fr (MHz)	SIZE (mm)	APPLICATION
D	1,2	24	Longitudinal Angle Beam Probes -For very coarse grain material e.g. Austenitic Steel – With Big Lemo Female Socket
	2,4	10	Miniature Longitudinal Angle Beam Probes - For very coarse grain material e.g. Austenitic Steel– With Mini Lemo Female Socket
	2,4	20X22	Miniature Universal Angle Beam Probe - Variable angle from 38deg shear wave to 90 deg surface wave
	2,4	8X9	
	2,4	20X10	Combination of Advt. of TR Probe in an angle Beam scanning application.
	2,4	8X4	
	2,4	24	
	2,4	10	Longitudinal Angle Beam Probes – For Coarse grain material (+ Advantage of “TR” Probe)
	2,4	8X9	For angle beam scanning at an elevated temperature up to 450° C Intermittent contact only. (Angle+ 4 deg)
	4,6,10	10	Immersion Testing – Probes can be supplied with Line/Spot focus & also with special casing & connectrors. Choice of potted cable with LEMO/BNC or UHF Connectors. Also available in Line/Spot IM-4 U / LF 25 mm focus. i.e. LF/SF e.g. or IM-4 U / SF 25mm
	4,6,10	5	
TESTING COIL / PLATE TESTING SYSTEM PROBES			
E	TR-5-25	Immersion Dual Crystal (T/R) probe 5mhz / 25 mm dia for plate testing with micro dot Socket.	
	TR-5	Array TR probe UT PLATE SYSTEM PROBE TR 16X12X24 CRYSTAL 5 MHZ WITH 3.0 METER CABLE	
	TR-5-56X4	Array probe T/R PROBE - 5 MHZ, 56X4 MM WITH POTTED CO-AXIAL CABLE (IMPORTED) 3 MTR. LONG WITH MINILEMO (LEMO MAKE	
	A-45-4-S	WELD UT PROBE , Element Size 8X9 MM, Angle-45 degree, housing 1" OD with 35 mm dia X 5.0 mm Thick, Lemo 1E Connector (ERA.1.E.275.CTL) , frequency : 4 Mhz.	
	A-60-4-S	WELD UT PROBE , Element Size 8X9 MM, Angle-60 degree, housing 1" OD with 35 mm dia X 5.0 mm Thick, Lemo 1E Connector (ERA.1.E.275.CTL) , frequency : 4 Mhz.	
	A-70-4-S	WELD UT PROBE , Element Size 8X9 MM, Angle-70 degree, housing 1" OD with 35 mm dia X 5.0 mm Thick, Lemo 1E Connector (ERA.1.E.275.CTL) , frequency : 4 Mhz.	

Liquid Penetrant Inspection :-

Sr. No.	DESCRIPTION
1	Cleaner , P-Met Make , Magnaflux Make , M.R.Chemie Make
	Developer, P-Met Make , Magnaflux Make , M.R.Chemie Make
	Penetrant , P-Met Make , Magnaflux Make , M.R.Chemie Make
2	Aluminium Comparator Block
3	NI Cr - NICKEL ALLOY PLATE
4	Cotton Waste

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Magnetic Particle Inspection : -

Sr. No.	DESCRIPTION
1	PORTABLE ELECTRO MAGNETIC INSPECTION YOKE with Carrying Bag , Instruction manual and NABL Traceable Calibration Certificate.
	Battery operated 12 V, DC input With Two battery pack(BAT-03) & Battery charger (CGR-02)
	Selectable AC / HWDC magnetizing Modes, Input supply, 230 V & 110V, 50 Hz, 1 Phase. Infinitely variable HWDC Magnetizing current.
	AC magnetizing Modes Input supply, 230 V & 110 V , 50 Hz, 1 Phase.
	Permanent Magnetic Yoke Along with Carrying Case & Operational Manual.
2	PORTABLE MPI UNIT. Each with Infinitely Variable transistorized Magnetizing Current control, heavy duty cycle- 2 min ON / 2 min OFF, delivering AC/HWDC current as specified based On use of two (pair) 5 m long cables (Not included) & instruction manual.
	Output 1000 & 1500 Amps Input supply 230V, 50 Hz, 1 Phase
	Output 2000 Amps Input supply 415 V, 50 Hz, 2 Phase
	ACCESSORIES FOR PORTABLE MPI UNITS
	Pair of prods with or Without two 2.5 m / 5m long cable with remote switch
	Cable for wrap magnetizing, 5m / 10 m long with remote switch WCL 10
	Transport trolley for MPI units, TL
Built-in Auto Ac De-mag option	
3	UV LED Light , UV Led Touch with UV Intensity more then 1000 $\mu\text{w}/\text{cm}^2$
4	Magnetic Particle Inspection Consumables
	Magnetic powder for dry application / Wet Application (Fluorescent & Non Fluorescent – Water based & Oil Based – Smooth & Rough Surface .
	Aerosol Pre Mixed Can for Magnetic Ink. ((Fluorescent & Non Fluorescent)
	White contrast for MPI in Aerosol Can, 500 ml net
5	Magnetic Particle TEST BLOCK & MEASURING INSTRUMENTS
	Pie Field Indicator as per ASTM-E-709
	ATP / YTP - Test block as per ASTM for yoke technique
	BTP - BHEL Test block for prod technique
	Dry Powder rubber blower
	Residual field indicator - Gauss meter (0-10 Gauss & 0-20 Gauss)
	Digital Gauss meter with Transverse Hall Probe
	Reference Magnet for Gauss meter Calibration
	ASTM centrifuge tube 100 ml with stand with 0.5 and 0.01 ml Least Count.
	UV Intensity Meter
	LUX Meter
	MTU-N03, Test block as per ISO 9934
	Keto's Test ring & Burmah Castrol Strip
	Field indicating shim (Quantitative Quality Indicators – QQI)
Field indicating set of Burmah Castrol Strips	
UV BULB & FILTER for BL-100F Ultraviolet Black Light	
Copper Pad for MPI Bench Unit	

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Monotoring Instruments :-

Sr. No.	DESCRIPTION
1	Portable Hardness Tester With Type D Probe , Standard Block and Accessories 1. Accuplus Make TH 270A , TH 110A based on Rebound Principle. 2. Poldi Hardness Tester 2. TIME Make Model 5100 With based on Rebound Principle. 3. Hardness Tester Blocks.
2	Coating Thickness Gauge (DFT Meter) 1. DFT 222 , Coating Thickness Gague , F & NF, Make Accuplus 2. 456B , Coating Thickness Gague , F & NF, Make Accuplus
3	Video Boroscope 1. Accuplus Make , ACCU 20 With 1 meter Length 2. Accuplus Make , ACCU 40 With 6 meter Length 3. Accuplus Make , 8898 With 1 meter Length (Economic Model)

Radiography Testing :-

Sr. No.	DESCRIPTION
1	Radiation Monitoring & Measuring Devices
	Radiation Surveymeter - GM Tube based Digital Survey Meter for X-Ray and Gamma Ray.
	Pocket Dosimeter :- GM Tube based Digital Dose & Dose Rate meter for X-Ray and Gamma Ray.
	GM Tube based Digital Dose & Dose Rate Survey Meter With PC Interface enable recording data upto 1000 Readings for X-Ray and Gamma Rays.
	Area Zone Monitor with Internal Sensor , GM Tube Based for X-Ray and Gamma .
	Area Zone Monitor with External Sensor & 10m Cable, GM Tube Based for X-Ray and Gamma Ray for Radiation detection range of 0.1mR/hr or 1μSv/hr to 999.9m R/h to 9999mSv/hr.
	Contamination Monitor With Pencake GM Tube based detector for α,β and Gamma Ray with a range of 0-6000CPS or 0-360000CPM or 0.001-100mR/hr or o.o1 to1000 μSv/hr.
2	Radiography Film Viewer
	LED FILM VIEWER (with Paddle Control and Intensity Controller) , Make - ACCUPLUS , Model ACCU-500 , 6" x 3" , ACCU-1000 , 12" x 3" , ACCU-2000 , 12" x 4" , ACCU-3000 , 16" x 4" .
	LED FILM VIEWER (with Paddle Control and Intensity Controller) LHP-1
3	Source Storage room Accessories
	Source Guide tube - 2 / 3 Meter Length
	Connector for Source Guide tube
	Source Guide Tube Extension- 2 / 3 Meter Length
	Control Unit with 8 Meter Length and Source guide tube
	LEAD POT Suitable for Ir 192 , SE-75 & CO-60 Source.
	CEE VEE - Remote Handling CEE VEE Tongue 2 Meter
	LEAD SHOT BAG (1KGS)
	LEAD Sheet (12" x 15" x 5mm / 10mm) Or Customize Size.
	LEAD Apron

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Sr No.	DESCRIPTION
4	RT FILM , STRUCTURIX D4 / D7 - AGFA , 12" X 16" - Set Of 100 Nos., Make-AGFA
	Densitometer , Make - Optel , Trans-4(V).
	DENSTEP , Make - AGFA , Struct Certified Denstep 3.5 CM X 23CM
	Fixture , RX 28 , Make - Photon For Making 22Ltr Solutions
	Developer , RD 28 , Make - Photon For Making 22Ltr Solution
	Pvc Cassettes 3"X6" , 3"X7.5" , 3"X9" , 3"X12" , 3"X15" , 4"X5 , 4"X7.5" , 4"X9" , 4"X12" , 4"X15" , 6"X15" (Iner/Outer)
	S.S Clip Type Hanger-6"X12" 2 In 1 , 6"X15" 2 In 1 , 4"X15" 3 In 1 , 12"X15"
	S.S Channel Type Hanger 3"X15"(4in1) , 4"X15"(3in1)
	Yellow Marking Chawlk (Round)
	Tressing Paper Roll For RT
	Alluminium Stand
	Iqi - Astm S.S Hole Type Pene 10 To 50 , Astm W.T Pene 1a,1b,1c-25/50mm , Din W.T Pene 10iso,6iso-25/50mm , En W.T Pene 10fe,6fe-25/50mm
	Radiation Danger Board-12"X12" , Flag Triangle
	Darkroom Safelight With Filter , Timer Digital
	Film Cutter 16" Length (Harisson) & Film Rottery Cutter
	Film Dryer (15 Hanger Cap)
	LEAD INTENSIFYING SCREEN(0.10mm)12"X15" PAIR
	LEAD NUMBER 0-9 7mm Punch Type/Set , LEAD LETTERS A-Z 7mm Punch Type/Set , LEAD ARROW ½" CASTING TYPE , Lead Letter "B"-15mm Backscatter
	Luco Plast-1",2",3",4"
	Radiation Warning Bleeper With Bat
	Radiography Exposure Scale-Ir-192
	S.S Developing Tank 22.5 With Lid
	S.S Film Clip Long Type
	"U" Shape Magnet Permenent Big & Small
	Darkroom Thermo Meter (Floating Thermometer)
	Arrowtech Pocket Dosimeter
	Pocket Dosimeter Charger (Indian Make)

X-Ray Equipment :-

Sr No.	DESCRIPTION
1	X-Ray Pipeline Crawler
2	Portable X-Ray Machine With Glass Tube Directional
3	Portable X-Ray Machine With Glass Tube Panaromic – Flat / Cone Target
4	Portable X-Ray Machine With Ceramic Tube Directional
5	Portable X-Ray Machine With Ceramic Tube Panaromic – Flat / Cone Target

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Measuring Instruments :-

SN.	DESCRIPTION
1	Vernier Calipers 1. Basic Vernier Caliper from 0 to 3000mm Range with 0.03mm to 0.26mm Accuracy. 2. Dial Calipers from 0 to 1000 mm Range with 0.03 mm to 0.07mm Accuracy. 3. Digital Calipers from 0 to 1000 mm Range with 0.03 mm to 0.08mm Accuracy.
2	Depth Vernier Calipers 1. Basic Vernier Caliper from 0 to 1000mm Range with 0.03mm to 0.07mm Accuracy. 2. Digital Depth Vernier Calipers from 0 to 600 mm Range with 0.03 mm to 0.07mm Accuracy.
3	Outside Micrometers 1. Basic Outside Micrometer from 0 to 200mm Range with 2µm to 4µm Accuracy. 2. Outside Micrometers with Interchangeable Anvils , Range - 300mm with 5µm to 9µm Accuracy. 3. Outside Micrometers with Interchangeable Anvils - Tubular type from 300 to 800mm Range with 11µm to 18µm Accuracy. 4. Digital Outside Micrometer from 0 to 150mm Range with 2µm to 4µm Accuracy. 5. Digital Adjustable Outside Micrometer from 0 to 300mm Range with 6µm to 8µm Accuracy. 6. Double Ball Type Tube Micrometer from 0 to 25mm Range with 4µm Accuracy. 7. Depth Micrometer from 0 to 150mm Range with 2µm to 3µm Accuracy.
4	Dial Indicator 1. Dial Indicator from 0 to 50mm Range with 17µm to 50µm Accuracy. 2. Digital Indicator from 0 to 50.4mm Range with 5µm to 30µm Accuracy. 3. Precision Dial Indicator from 0 to 1mm Range with 5µm Accuracy.
5	Dial Surface Profile Gauge 1. Dial Surface Profile Gauge from 0 to 1mm Range with 2µm Accuracy. 2. Digital Surface Profile Gauge from 0 to 12.7mm Range with 0.05mm Accuracy. 3. Precision Dial Indicator from 0 to 1mm Range with 5µm Accuracy.
6	Slip Gauge Block Set of 32 , 38 , 83 , 87 , 112
7	Feeler Gauge - 0.03 to 1 mm , Length -100 , 150 , 225 , 300 mm as per DIN2275
8	Bridge Cam Weld Gauge
9	Hi-Low Weld Gauge
10	Fillet Weld Gauge With Range - 3 - 25 mm with Accuracy 0.5mm
11	Taper Gauge , 1-15 mm
12	Telescoping Inspection Mirror
13	Magnifier With Illumination with 8x Zoom
14	Digital Surface Roughness Tester
15	Rubber Hardness Tester , Shore A,B,C,D (Analogue & Digital)
16	Wet Film Thickness Gauge
17	Cross Hatch Cutter
18	Digital Gloss Meter , GLOSS 11 - 60° , GLOSS 111 - 60° , GLOSS 333 - 20° / 60° / 85°
19	Digital Infrared Thermometer
20	Digital Hygrometer
21	Digital Anemometer
22	Digital Sound / Noise level meters (30 to 130dBA)
23	Digital Vibration meters