

Global Pioneer in NDT Consumables & Equipment



Magnetic Particle inspection

Equipment Features

All Equipment are designed to meet the requirements of ASTM - E 1444 and **NADCAP**



Superior Stainless Steel (SS 301) Bath tank & Main Tank design allows operator to use both Oil based and water-based systems









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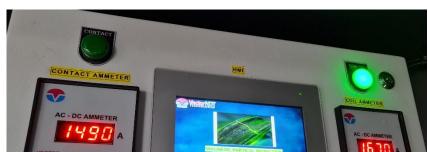


Thyristorized current control - stepless control with Feedback system - Ensures delivery of set currents within the range of +/_ 10% with an alert to the operator

Current Flow assurance Indicator

Visual & Audio







Sy.No. 11/2/6, Puradapalya Village

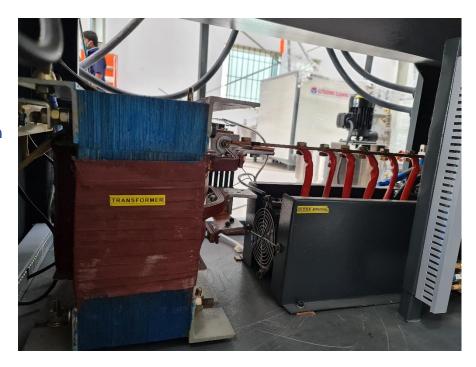


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Superior Transformer design

with F class Insulation



6.2.4 Magnetizing Current Application- Alternating current is to be used only for the detection of defects open to the surface. Full-wave rectified alternating current has the deepest possible penetration and must be used for inspection for defects below the surface when using the wet magnetic particle method. Half-wave rectified alternating current is advantageous for the dry powder method because it creates a pulsating



AC / FWDC output current (for 3000 Amps and Above) machines.

Refer ASTM -E 1444 . 6.2.4 FWDC is recommended to be used when inspecting

with wet continuous method of Magnetic Particle Inspection





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Bath Pump with controlled agitation system

Ensures the safety of the Fluorescent Particles from getting damaged there by creating lose pigments which will interfere in quality of inspection and lesser life

Superior Pneumatic cylinders

Brand - SMC or FESTO





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In house Fabrication and testing of all welds using Liquid Penetrant Inspection (LPI)

MS Powder coated Inspection Hood -

Protects from Fire hazards and better aesthetic look







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Digital Ammeters with memory retention - will retain the reading till the next

magnetizing shot



- Optional







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Low Air Pressure alarm



Bath Level indicator & alarm



Transformer Overload Protection & alarm



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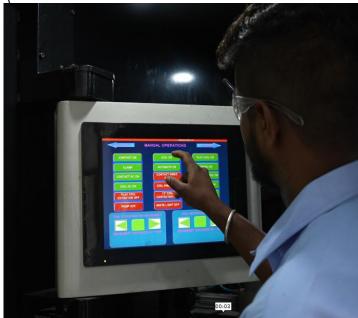


Optional Features



New age Multi Directional Machine – Optional





New age Multi Directional Machine – Optional





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3 Phase output machines exclusively for Aerospace Industry with Reversing
DC Demag and Quick break circuit

Optional Servo driven Tail stock for automatic length adjustment



Optional Servo driven Magnetizing Coil for automatic multiple coil shots







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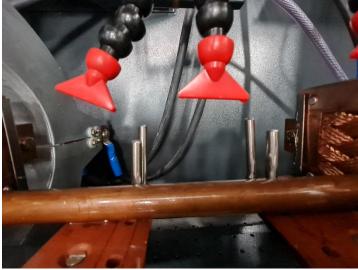
Optional Flux- Flo coils

Cable Drag Chains for better life of Magnetizing cables



Custom designed Fixturing for any Component -





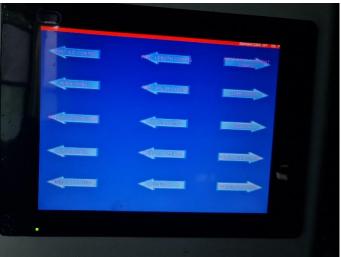


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Data, recording logging and recall with optional connectivity to internet





Automatic Black Light Intensity monitoring - optional







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- Interlocking for set current assurance
- Interlock for Demagnetization sequence
- Dark adaptation timer to protect eyes from dark adaptation
- MPI Power Packs with rugged design from 2000 to 20,000 Amps
- **Multidirectional Power Packs**

