

### MAGNE-TECH® PORTABLE MAGNETIC PARTICLE INSPECTION UNITS

#### FEATURES/BENEFITS

- Meets Military & Industrial Specifications
- More output per unit weight & size
- Advanced modular design
- Simple to operate
- Rugged duty cycle
- Highly portable/transportable
- Ideal for use in limited access areas
- Protected recessed front control panel
- HWDC & AC magnetizing power
- 1515D provides auto AC demagnetization
- Thermal overload protection
- For prod or cable wrap use
- Infinity variable current control



Remote control feature

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**The Gould-Bass line of Magne-Tech® portable magnetic particle inspection units can be used for a wide variety of applications to quickly and reliably detect surface and near surface discontinuities in both circular and longitudinal modes. Because of their small size and light weight, the Models 1500 & 1515 can be easily transported by one person to the inspection site. This compact feature is particularly valuable in limited access areas, such as those found on ships, bridges, pipeline, aircraft, petro chemical plants as well as other close quarter applications.**

#### **Key Applications for Magne-Tech® Portables:**

Preventative maintenance in testing weldments on bridges, railroads, pipeline, pressure vessels, tubing, bar stock, forgings, castings, aircraft, ships and anywhere that ferrous metals must be inspected for cracks.

#### **Simple to Operate**

All operating controls and indicators are located on the recessed front panel. The easily read ammeter shows magnetizing current in either AC or half-wave DC operating modes. The AC mode minimizes background interference, permitting high sensitivity, speed, and accuracy of surface defect identification. The DC mode provides increased magnetic field penetration for detection of near surface discontinuities. A current adjustment control permits precise adjustment of the magnetizing current. The ammeter is protected against damage from rough handling, and all units are protected against overheating.

<b>Available Models</b>			
<b>Model Number</b>	<b>1500</b>	<b>1515</b>	<b>1515D</b>
Part Number	N520530001	N520545001	N520546001
Magnetizing Current	AC or HWDC	AC or HWDC	AC or HWDC
Max Output    HWDC AC	1000 Amps 900 Amps	2000 Amps 1800 Amps	2000 Amps 1800 Amps
Demagnetization	AC (Manual)	AC (Manual)	AC (Push Button)
Infinitely Variable Current Control	Standard	Standard	Standard
Duty Cycle	Heavy Duty	Heavy Duty	Heavy Duty
Thermal Overload Protection	Standard	Standard	Standard
Modular Plug-in Electronics	Standard	Standard	Standard
Recessed Front Panel	Standard	Standard	Standard
Cable Output Fittings	Camlocks	Either Ends	Either Ends
Remote Energize Switch	Standard	Standard	Standard
Dimensions	6" X 9" X 17"	9.5" x 11" X 24.5"	9.5" x 11" X 24.5"
Weight	58.5 lbs.	90 lbs.	90 lbs.
Electrical	115/230/60/1	230/460/60/1	230/460/60/1
Line Amp Draw	40/20	70/35	70/35

## **ACCESSORIES AND MATERIALS**

Gould-Bass Company offers a complete line of process control instrumentation and related accessories, such as field strength indicators, clamps, connectors, prods, sprayers, and powder applicators.

All materials necessary for magnetic particle inspection are also available, including dry powders and materials for fluid suspension.

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## **SPECIFICATION COMPLIANCE**

ASTM E1444 & E-709                      ASME Section III (Latest Rev.)  
Navships 250-1500                      Mil-STD-271 (Latest Rev.)

\* Meets other Mil & Industry Standards. Contact Gould-Bass for details.