

# EECIFLUX

## EFD-1500/2 & EFD-2000

### MPI Portable Power Source



SMART DIGITAL CONTROLLER



The portable prod machine are convenient and economical inspection units that are used in a wide range of magnetic particle application that require only moderate power. Prod machine are ideal for large or heavy parts, in-service mobile equipment or job-site welds.

### BENEFITS

- Find surface defects with AC current, switch cable connection to half wave (HWDC) for near-surface defects
- Locate defects in any direction using prods, central conductor, coil (wrap part with 3-5 turns of cable)
- Infinitely variable current control

### FEATURES

- Available in EFD - 1500/2 & EFD - 2000 rating models.
- Mag ON Variable time adjustable from 0.5 sec to 2 Sec.
- Smart Digital control and display meter for easy current setting and closed loop current feedback.
- Equipped with a thermal overload relay to prevent failure of components.
- Thyristorised stepless solid-state current control.
- Quick disconnect type of prod connections.
- Compact, lightweight & portable
- Can detect surface as well as sub-surface defects.
- Standard built equipment for continuous inspection.
- Demagnetization of parts in AC mode by slowly turning the current to zero.
- Current compensation adjustment in smart digital controller.

## TECHNICAL SPECIFICATION

	EFD-1500/2	EFD-2000
Input Supply	230 VAC $\pm$ 5%	415 VAC $\pm$ 5%
Frequency	50 Hz	
Phase	1 Ph	2 Ph
Class of Insulation	F	
Duty Cycle	50%	
Output Current	1500Amps $\pm$ 10%	2000Amps $\pm$ 10%
Shot Time	Digitally Adjustable 0.5 Sec to 2 Sec $\pm$ 0.1Sec	
Magnetizing Current	AC / DC	
Current Control System	Thyristorised Step-less Solid state current control using a smart digital controller	
Display	4 digit Digital LED Display	
Safety Features	Over Heating Protection	
Dimension (L x W x H)	530mm(L) x 256mm(W) x 260mm(H)	
Weight (Approx.)	38Kg	
Standards	ASTM E709, E1444	

*Note: Current ratings based on use of two 5 meter lengths of cable*

## OPTIONAL ACCESSORIES

VNMPA001	Pair of prods with two 2.5 m long cable with remote switch, PCL 2.5
VNMPA002	Pair of prods with two 5 m long cable with remote switch PCL 5
VNMPA003	Cable for wrap magnetizing, 5 m long with remote switch WCL 5
VNMPA004	Cable for wrap magnetizing, 10 m long with remote switch WCL 10
VNMPA005	Transport trolley for MPI units, TL
VNMPA007	Pair of prods without cable Px2
VNMPA008	Pair of prods without cable, Replaceable copper tip PRX2