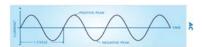


# **A-2030 WET HORIZONTAL UNIT**





# **GENERAL DESCRIPTION**

The Magnaflux® A-2030 is one of our most economical standard wet bench units. It offers great part mobility for finding surface defects using AC magnetization.

#### **BENEFITS**

- Shot time can be adjusted to meet different inspection requirements or needs
- Footswitch to free-up hands for inspection

#### **EXTERIOR**

- Innovative pump system for fluid delivery, agitation with easy maintenance access
- Push bar design for easy activation
- Current assurance indicator for magnetic current flow
- Large, easy to read Digital Ammeter
- Independent Contact and Coil Current Controls
- 12 inch (30 cm) diameter coil
- Footswitch-activated pneumatic headstock
- Adjustable tailstock with crank
- Stainless steel tank
- Front and rear maple hardwood grilles



# PRODUCT DATA SHEET

#### INTERIOR

- Microprocessor control advanced technology; reduce components and increase reliability
- Solid state circuitry
- Liquid Resistant panels, allow ventilation while inhibiting fluid intrusion

#### **SPECIFICATIONS**

- 3000 amp AC magnetizing current capability at contacts
- Demag—One Touch decaying AC
- Duty Cycle 0.5 seconds on, 10 Seconds off (5% with Maximum of 5 seconds)
- 54 inch (137 cm) headstock/tailstock capacity
- Infinitely variable current control
- Available Voltages: 230, 380, 415, 460, 575, 50 or 60 hertz, single phase power
- Recommended 20 Gallon (75 Liter) Tank Fluid Capacity
- Minimum 40 PSI with 5 CFM capability
- 89" (224 cm) x 41" (104 cm) Foot Print, allow 24" (61 cm) per side for ventilation

## OPTIONAL FEATURES

- 16" coil (41 cm) w/raising block up-grade (In lieu of 12" coil)
- Rotating Contacts (70 lb. part capacity) (Minimum 16" coil required)
- NRTL Certification to CSA C22.2 No. 61010-1
- Dual Palm Button
- Configure Unit for 102" Part
  - o Recommended 32 Gallon (122 Liter) Tank Fluid Capacity
  - o 36" (346 cm) x 41" (104 cm) Foot Print, allow 24" (61 cm) per side for ventilation
- Configure Unit for 146" Part
  - o Recommended 55 Gallon (209 Liter) Tank Fluid Capacity
  - o 80" (458 cm) x 41" (104 cm) Foot Print, allow 24" (61 cm) per side for ventilation

#### MATERIALS START UP KIT

#### Please Choose Water Bath or Oil Bath Start-Up Kit

- Centrifuge Tube, 100 ml, 0-1.0 ml in 0.05 ml increments (Part Number 8493)
- Centrifuge Tube Aluminum Stand (Part Number 1837A)
- Field Indicator (Part Number 2480)
- Two Double-Braided Copper Pads with V- Blocks (Part Number 18948)
- Pie Field Indicator (Part Number 169799)
- UV Filtering Safety Glasses non tinted (Part Number 506249)

#### For Oil Baths (Part Number 621452)

- Carrier II oil vehicle, 55 gallon drum
- 14A wet method magnetic particles, 1 lb. bottle

## For Water Baths (Part Number 621453)

• 14A Redi-Bath, 6 - 27 oz. bottles for Water Baths





# **UNIT COMPARISON CHART**

# **AD-2045**

4,000 amps AC or 5,000 amps FWDC - 54" (137 cm)
2 Outputs - Contacts, 12" ID Coil
Voltages Available (230V or Higher)
Standard Coil May be Substituted for 16" or 20" ID Coil

#### **ADH-2045**

4,000 amps AC or 5,000 amps HWDC - 54" (137 cm)
2 Outputs - Contacts, 12" ID Coil
Voltages Available (230V or Higher)
Standard Coil May be Substituted for 16" or 20" ID Coil

#### A-2030

3,000 amp AC - 54" (137 cm)
2 Outputs - Contacts, 12" ID Coil
Voltages Available (230V or Higher)
Standard Coil May be Substituted for 16" or 20" ID Coil

| SIZE COMPARISON CHART |                      |                  |               |
|-----------------------|----------------------|------------------|---------------|
| UNIT SIZE             | PART LENGTH CAPACITY | DIMENSIONS       | TANK CAPACITY |
| Standard              | 54 Inches (137 cm)   | 89" x 41" x 61"  | 20 Gal (75L)  |
| Long                  | 102 Inches (259 cm)  | 136" x 41" x 61" | 32 Gal (122L) |
| Extra Long            | 146 Inches (371 cm)  | 180" x 41" x 61" | 55 Gal (209L) |