

AD-4020

MAGNETIC PARTICLE INSPECTION EQUIPMENT

Product Description

The Magnaflux AD-4020 is a light/medium duty machine designed for the inspection of ferrous components up to 500 mm in length. As such it is ideal for machine shops, tool rooms, foundries and similar plants where the low volume testing of ferrous components is required.

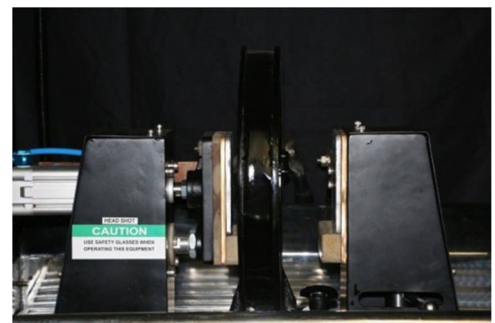
The AD-4020 is a basic, self contained, low cost unit which provides the perfect answer to locating fatigue cracks or processing defects using the 'wet continuous' method of magnetic particle inspection.

As a standard unit it develops 2000 Amps AC/HWDC current and features a fixed headstock, insulated 250 mm coil, sliding tailstock with clamping mechanism, footswitch to initiate the current and a complete bath circulation system comprising a pump, agitator, hose and nozzle.



Product Features

- Laboratory/small workshop unit
- Up to 2000 Amp AC/HWDC
- Infinitely variable
- Stainless steel tank



Manual Contact Clamp



Clamping 250 mm Coil



Product Data Sheet

Specification and Operating Data

Model	AD-4020
Magnetising current output	2000 Amps AC RMS /2000 HWDC RMS
Coil output	5.0 KAT AC RMS 7.0 KAT HWDC RMS
Coil size	250 mm internal diameter
Maximum component length	500 mm
Current control	Infinitely variable non sinusoidal
Typical duty cycle	1 second 'ON', 10 seconds 'OFF'
Main electrical supply requirements	415Volts, 50 Hz, 2 lines of 3 Ph
Line current draw for duration of maximum current shot	45 Amps
Recommended external fuse size	40 Amps
Mains input cable size (15 metre maximum length)	6 mm²
Tank capacity	35 litres
Floor area	1900 mm x 1600 mm (with GD hood) 920 mm x 1250 mm (without hood)
Units carry the CE mark and conform to the appropriate EU directives	☐
Part number	F04021

Optional Features

Part Number F05002	ZB-100F Black Light System
Part Number D03009	PIE Field Indicator
Part Number D01007	Magnetic Flux Indicators G-Type
Part Number D03004	Calibrated field indicator 0-10

ITW INDIA PRIVATE LIMITED,
Plot No: 51, 52, 207 & 208, Phase – 2,
IDA, TSIIC, Pashamylaram, Medak Dist.-502307,
Telangana State, India

Tel: +91 8455 224710 Fax: +91 8455 224709
Email: magnafluxinfo@magnafluxindia.com
www.in.magnaflux.com

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