

## RedMag & RedMag Pro

### Product

Redcliffe offers a comprehensive range of magnetisers and processors, and a full coil and fixture design and manufacturing facility.

Standard units range from 100Joule to 15kiloJoule, and higher power ratings are available as required. RedMag series magnetisers provide single pulse capacitor discharge magnetising capability.

600V electrolytic capacitors are the cost effective solution, and are suitable for most magnetising/processing of Alnico, Ferrite and many Rare-Earth magnets and assemblies. They have a high stored energy density, and so are to be preferred over film capacitor units for highly inductive many-turn loads such as large industrial coils.



### Features

RedMag magnetisers and RedMag Pro processors are available in three ranges, 600V (electrolytic capacitors), and 1000V and 3000V (film capacitors).

- Magnetise Pulse Rate**

1 pulse every 8 seconds maximum.

- Magnetising Pulse Output Energy**

4752 Joules nominal from 26,400 $\mu$ F.

- Capacitor Voltage**

Continuously variable from 20 to 600V.

- Output Current Rating**

Maximum peak discharge current 10000A (10ms pulse). Maximum di/dt 1000 A/ $\mu$ S.

### Technical Specifications

- Power Pack Control Unit (largest)**

•1.2m x 0.6m x 1.8m  
(48 in. x 24 in. x 72 in.)

- Input Power Source**

•230V  $\pm$  10% single phase 50 Hz for European operation.

•115V  $\pm$  10% single phase 60 Hz for North American operation. Maximum line current 17A (at 240VAC).

MAGNETICS

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