

# DEMAGNETISING UNITS

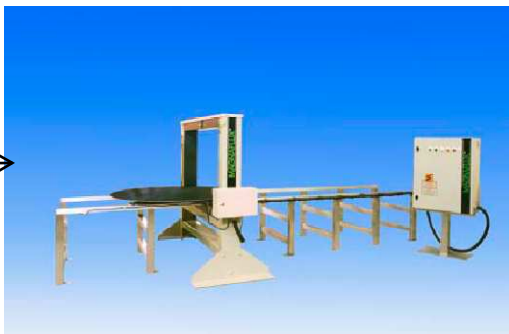
## MAGNETIC PARTICLE INSPECTION EQUIPMENT



SB Demagnetising Units as illustrated offer up to 12000 ampere turns as an option to the standard 8000 ampere turns

### Product Features

- Fast through demagnetisation
- Demagnetisation of a broad range of part types and sizes
- Rugged construction
- Type SB intermittent duty cycle and Type S continuous reversing magnetic field



Special Type SB Unit  
for large disc/casing  
demagnetising

### Product Description

The Magnaflux Demagnetising Units consist of a range of units designed to meet the requirements and specifications of Non-Destructive Testing (NDT).

Demagnetisation of ferromagnetic parts and materials is a pre-requisite to final finishing or to prepare an item for its ultimate use.

Typical applications for demagnetisation units include:

- Demagnetising parts that have been subjected to Magnavis® and Magnaglo® magnetic particle inspection
- Removing residual magnetism in parts intended for use near magnetic instrumentation
- Demagnetising parts with bearing or journal surfaces
- Demagnetising parts after contact with magnetic chucks or lifting magnets

Industrial demagnetisation is not an easy task unless an effective demagnetising system is used. It is especially difficult when the magnetic field must be reduced to a very low level.



Compact continuous duty  
cycle Type S Demagnetiser  
for high throughput

## Type SB Demagnetising Units Specifications

Type	Floor space (mm)		Height (mm)		Current input (Amps)	Ampere-turns (with coil empty)	Approximate weight (Kg)		Part number
	Length	Width	Table	Overall			Net	Shipping	
SB-911	720	1100	895	1322	25	8000*	100	140	007E107
SB-911T	2760	1100	937	1322	25	8000*	160	200	+ 007E108
SB-1416	720	1275	895	1522	42	8000*	225	260	007E110
SB-1416T	3460	1275	937	1522	42	8000*	290	330	+ 007E109
SB-1619	720	1275	895	1522	45	8000*	250	290	007E111
SB-1619T	3460	1275	937	1522	45	8000*	310	350	+ 007E112
SB-2824	760	1580	895	1652	95	8000*	350	390	007E076
SB-2824T	3460	1580	937	1652	95	8000*	410	450	+ 007E127

\*12000 Ampere-turn windings are available to special order

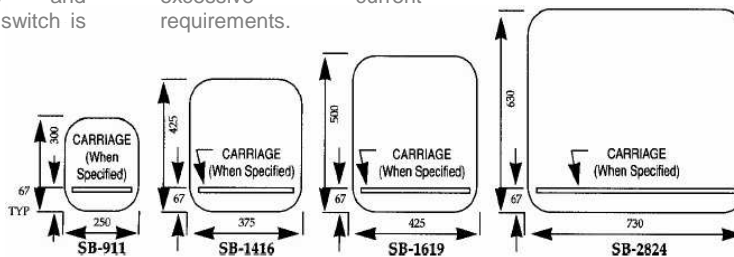
Note – all units carry the CE mark and conform to the appropriate EU directives

- Units are constructed to operate on 380 to 415 volts, 50 Hertz, single phase current. They may be ordered to operate at other voltages and frequencies. Line switch is provided.
- High field strength models (12000 ampere turns) are not recommended for operation on less than 380 volts because of the excessive current requirements.
- Dimensions are nominal only. If clearances are critical contact Magnaflux.

### Applications

The speed, efficiency and power of Type SB Demagnetisers enable these units to be widely applied for many demagnetisation requirements. They are ideal for demagnetising after magnetic particle inspection, but are also versatile enough for efficient production applications in tool and machine shop service.

The models in the Type SB series operate on an intermittent duty cycle – up to 30 seconds on, 2 minutes off – suitable for demagnetising either the largest part that fits the coil opening or an array of small parts



## Type S-66 and S-1212 Demagnetising Units Specifications

Type	Opening size (mm)	Base size (mm)		Overall width (mm) including switch)	Current (Amps) at 240 V	Net weight (Kg)	Shipping weight (Kg)	Part number
		Width	Length					
S-166	155 x 155	444	155	520	5	30	35	007E067
S-1212	310 x 310	624	305	700	35	50	55	007E106

Note – all units carry the CE mark and conform to the appropriate EU directives

### Applications

In operation, the Type S-166 and S-1212 Demagnetisers provide a continuous reversing magnetic field controlled by a conventional on-off switch. This method permits fast effective demagnetisation specifically suited for volume demagnetisation of small components on production lines.

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