

High Precision Demagnetizer MM DN + KE



FMT® Field Multiplier Technology®



Demagnetize easily and efficiently

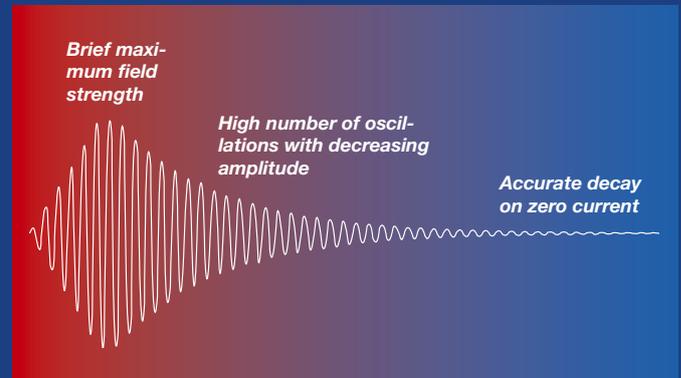
A complete demagnetization of parts and equipment requires powerful and handy demagnetizing devices. Meet this challenge by using our easy and efficient demagnetizing process.

The High Precision Demagnetizer MM KE is a demagnetizing coil incorporating the advanced Maurer Degaussing® Technology. It is a compact and easy-to-operate device made specifically for exacting demagnetization jobs with small lots and manual operation.

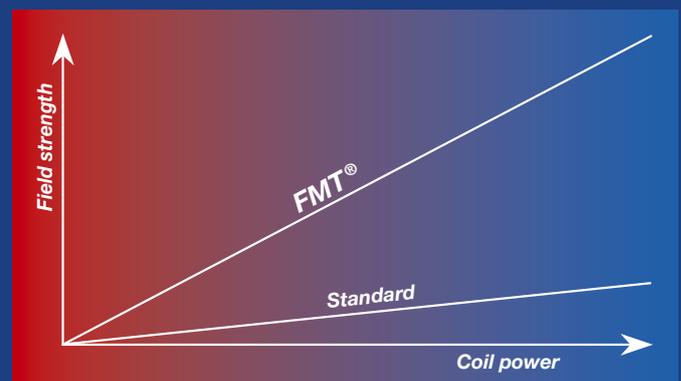
Characteristics

- Intuitive, secure operation
- Device to be used at the workplace
- Pulse demagnetization for treatment of stationary parts
- Pulse demagnetization with repeatable results
- Increase in productivity by demagnetizing batches of multiple parts
- Energy-saving due to pulse demagnetization
- For lab or occasional shop floor use

Maurer Degaussing® Technology



Intensity, number, and precision in the process of decreasing pole reversals, and the choice of the frequency. These elements are optimally set with our demagnetizing devices.



High field strength with low coil power.



Power module

The power module includes the power electronics, the interfaces and the control processor of the demagnetizing system. The cables connecting the demagnetizing coil and the power module are pluggable.

Power Module MM DN 150

- Optimal, preset demagnetizing frequency
- Demagnetization of parts at fixed position by means of proprietary demagnetizing pulse (patent granted for)
- Low power consumption due to power factor correction
- Indicator lamps for easy process monitoring

Intuitive and safe operation

The parts get demagnetized by putting them into the Coil Module MM KE and activating the demagnetizing pulse. There is no need to move the parts through a stationary magnetic field. Operation requires a minimum of instruction. The demagnetizing pulse is triggered by remote control. Depending on local regulations, the operator has to keep some distance from the Coil Module MM KE during the demagnetizing pulse. Consult your safety inspector for applicable limits regarding exposure to magnetic fields.

Complete demagnetization offers you:

- No sticking of swarfs
- Improved efficiency of subsequent cleaning processes
- No cohesion of individual parts after demagnetization
- No impact on sensitive components
- Compliance with requirements for residual magnetism according to process

Range of parts

- Boxes up to approx. 100 x 100 x 100 mm containing bulk parts
- Complex parts of various shape
- Material containing magnetically hard spots
- Demagnetization of large oblong parts by repeated pulses



Activation at the required distance.



The parts get demagnetized within a few seconds by the demagnetizing pulse.



Increase in productivity by demagnetizing multiple pieces concurrently.



Coil Module MM KE

The Coil Module MM KE is contained in a functional housing which suppresses leakage fields. It also includes an indicator lamp which shows the power applied. A 10-ft. plug-in cable connects the Coil Module MM KE to the Power Module MM DN.

Coil Module	MM KE200/150	MM KE200/80	MM KE160/100
Dimensions W×H×T	450 × 300 × 305 mm	450 × 300 × 305 mm	450 × 300 × 305 mm
Active opening W×H×T ¹	200 × 150 × 260 mm	200 × 80 × 260 mm	160 × 100 × 260 mm
Maximum field, peak ²	75 kA/m	115 kA/m	105 kA/m
Maximum pulse rate, continuous	1 Pulse / 40 s	1 Pulse / 40 s	1 Pulse / 40 s
Weight	25 kg	25 kg	25 kg
Frequency of demagnetization ³	~16 Hz	~16 Hz	~16 Hz
Protection class IP	41	31	31
Configuration	base	base	base

Made in Switzerland 

Power Module	MM DN150
Dimensions W×H×T	300 × 400 × 210 mm
Connection	200–240 VAC 50/60Hz
Power supply rating	10 A
Weight	12 kg
Protection class IP	41
Configuration	wall fastening
Optional machine base	machine base red

Made in Switzerland 

¹ Protection base plate, removable, reduces height by 5 mm

² Divide by 1,41 to obtain RMS value

³ Other frequency on request

MM KE200/150

MM DN150



MM KE200/80

MM DN150



MM KE160/100

MM DN150



Magnetizing & Demagnetizing Technology

 **MAURER[®]
MAGNETIC AG**