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.

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

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

<table>
<thead>
<tr>
<th></th>
<th>MM KE200/150</th>
<th>MM KE200/80</th>
<th>MM KE160/100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions $W \times H \times T$</td>
<td>$450 \times 300 \times 305$ mm</td>
<td>$450 \times 300 \times 305$ mm</td>
<td>$450 \times 300 \times 305$ mm</td>
</tr>
<tr>
<td>Active opening $W \times H \times T$¹</td>
<td>$200 \times 150 \times 260$ mm</td>
<td>$200 \times 80 \times 260$ mm</td>
<td>$160 \times 100 \times 260$ mm</td>
</tr>
<tr>
<td>Maximum field, peak²</td>
<td>75 kA/m</td>
<td>115 kA/m</td>
<td>105 kA/m</td>
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<tr>
<td>Maximum pulse rate, continuous</td>
<td>1 Pulse / 40 s</td>
<td>1 Pulse / 40 s</td>
<td>1 Pulse / 40 s</td>
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<tr>
<td>Weight</td>
<td>25 kg</td>
<td>25 kg</td>
<td>25 kg</td>
</tr>
<tr>
<td>Frequency of demagnetization³</td>
<td>~16 Hz</td>
<td>~16 Hz</td>
<td>~16 Hz</td>
</tr>
<tr>
<td>Protection class IP</td>
<td>41</td>
<td>31</td>
<td>31</td>
</tr>
<tr>
<td>Configuration</td>
<td>base</td>
<td>base</td>
<td>base</td>
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</tbody>
</table>

¹ Protection base plate, removable, reduces height by 5 mm
² Divide by 1,41 to obtain RMS value
³ Other frequency on request

### Power Module

<table>
<thead>
<tr>
<th></th>
<th>MM DN150</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions $W \times H \times T$</td>
<td>$300 \times 400 \times 210$ mm</td>
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<tr>
<td>Connection</td>
<td>200–240 VAC 50/60Hz</td>
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<tr>
<td>Power supply rating</td>
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<tr>
<td>Weight</td>
<td>12 kg</td>
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<td>Protection class IP</td>
<td>41</td>
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<td>Configuration</td>
<td>wall fastening</td>
</tr>
<tr>
<td>Optional machine base</td>
<td>machine base red</td>
</tr>
</tbody>
</table>

¹ Protection base plate, removable, reduces height by 5 mm
² Divide by 1,41 to obtain RMS value
³ Other frequency on request

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