

Demagnetizing with power and speed



Know-how in demagnetizing technology: We have a solution for every requirement

Maurer Magnetic has made a technological quantum leap with the Maurer Degaussing Process. By consistently pursuing the objective of “residual magnetism below the earth field”, we have placed alternating field demagnetization up onto a new technical level.

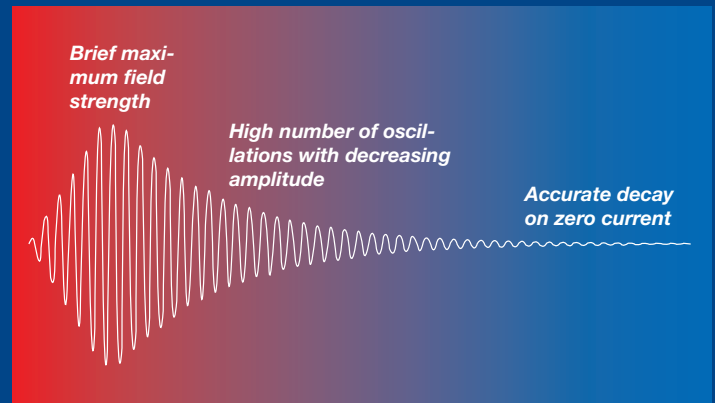
The crucial elements of alternating field demagnetization are:

- 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. Several new applied for and granted patents stand for the expertise of Maurer Magnetic.

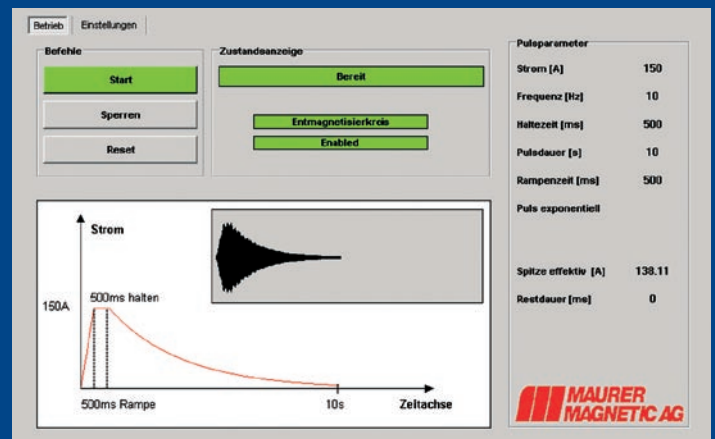
Fulfill your future requirements already today with the solutions of Maurer Magnetic.

Maurer Magnetic's complete solutions:

- Powerful demagnetizing equipment made of modular components and individual device
- Customized demagnetizers that meet specific requirements
- On-call demagnetization



Characteristics of the Maurer Degaussing Process.



The DegaussControl program allows the user to comprehensively parametrize and monitor the demagnetizing process.

Demagnetize fast, efficiently and reliably

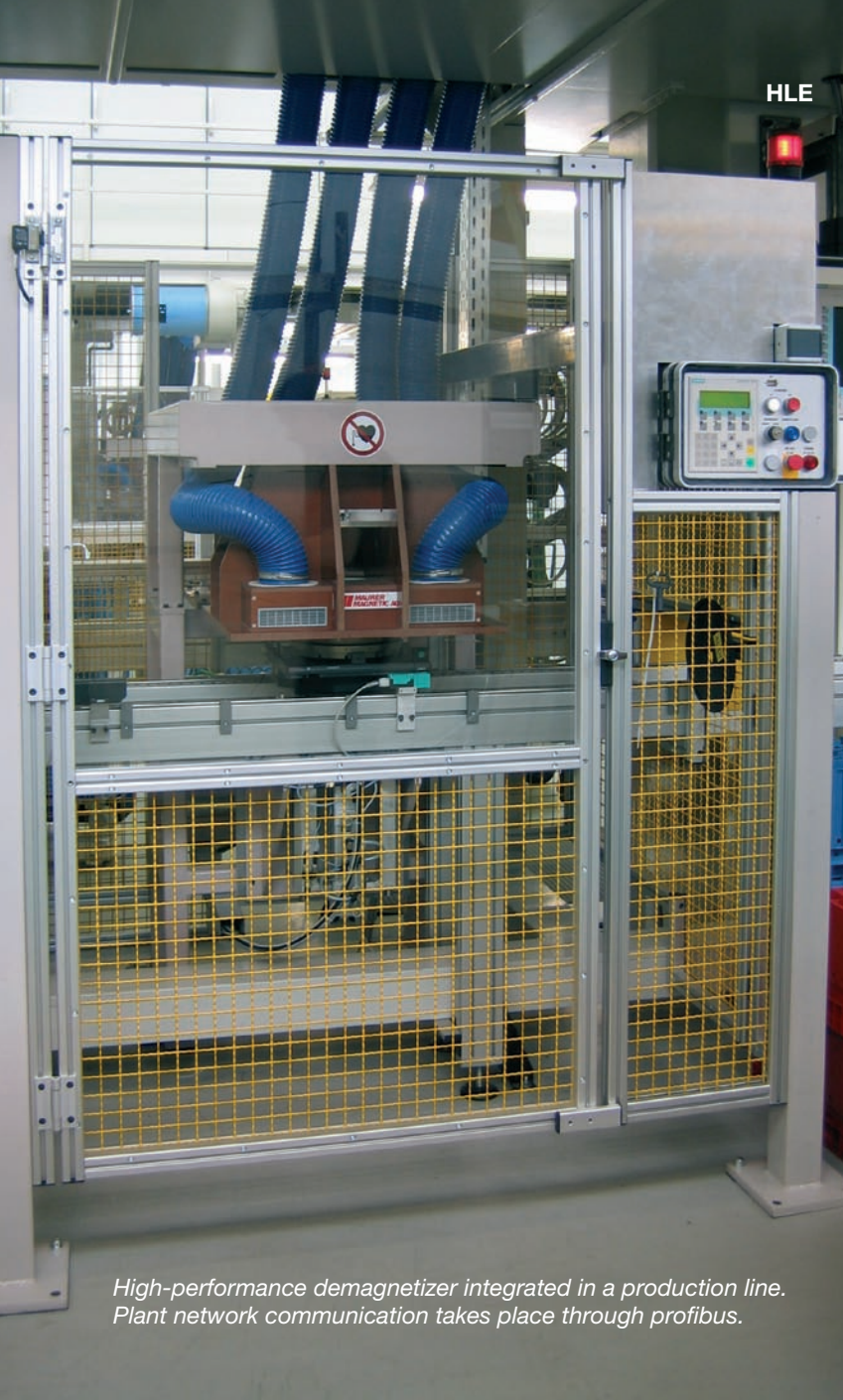
The Constant Field Technology innovation keeps the magnetic field constantly high, independent of the filling of the coil.

- Continuous demagnetization • Pulse demagnetization

Demagnetize tubes or bars with high throughput.

The loop opening performs more efficiently.





High-performance demagnetizer integrated in a production line. Plant network communication takes place through profibus.



Demagnetization of medical needles by a powerful degaussing pulse. The demagnetization takes about 7 seconds.



Large individual parts are demagnetized with the DM200 mobile demagnetizer. The flexible cable allows parts to be suitably wrapped in a coil.



With a classic plate demagnetizer, thin-walled, flat parts are successfully demagnetized.

Bulk material is demagnetized within a few seconds by an enhanced demagnetizing pulse using Field Multiplier Technology.

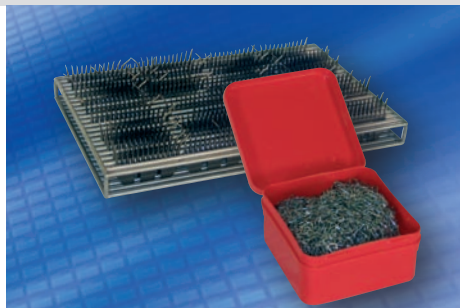
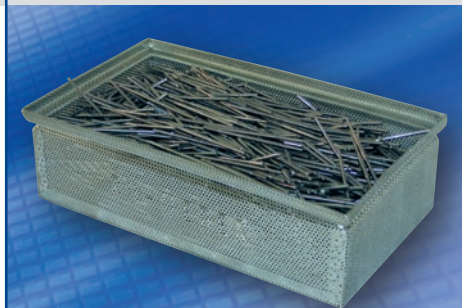
- Pulse demagnetization

Productivity boost by Maurer Degaussing Pulse Demagnetization.

The extremely strong magnetic alternating field penetrates the entire bulk material, independently of the number and orientation of the parts.

Perfect demagnetization equals perfect cleanliness.

To eliminate the contamination of ferrous particles during the cleaning process, the parts must be completely demagnetized – down to the earth field.



The right equipment for each demagnetization

	HE	PE	CT+DN	KE+DN	RE+DN	VE+DN	HLE	DM
Suitable for:								
Surfaces	•	•						(•)
Individual parts	•	•	•	•	•	•	•	•
Bars/pipes			•		•		•	•
Bulk material			•	•		•	•	
Large parts								cable coil
Functionality:								
Continuous demagnetization		•	•		•	(•)	(•)	
Pulse demagnetization			•	•	•	•	controlled	controlled
Field multiplication				•		•	•	(•)
Constant field			•		•		(•)	(•)
Automation		switchable	I/O	I/O	I/O	I/O	I/O+Bus	
Process monitoring							•	
Application range:								
Manual	•	•						•
Laboratory/workshop	•	•		•				
Large-scale production	•	•	•		•	•	•	•

• Requirements fulfilled

(•) on request

I/O 24 Volts interface



Magnetizing & Demagnetizing Technology



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