



MacBatec regenerators offer the best technology available on the market for the desulfation of lead-acid and nickel-cadmium batteries. The technology is based on the internal resistance in each battery, which guarantees an optimal regeneration.


The current pulses range from 0 to 500 A, adjusting carefully to the age, the temperature and the state of each of the batteries. As a result, the recovery of each battery is maximized, minimizing both the time of the process and the electrical consumption.



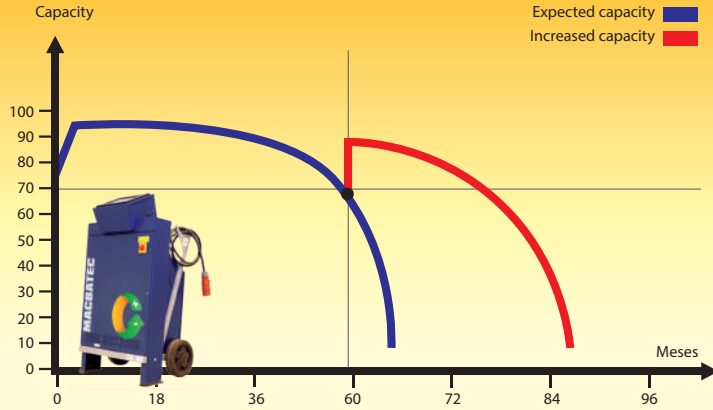
36-48 months



50-80%




x1/2




MACBATEC FULL SERVICE


For used batteries that have lost a significant portion of their capacity. Depending on the type of damage up to 50% of lost capacity will be recovered. **Just 30% recovery in a EUR 4,000.- battery means net profits of EUR 1,200.-**



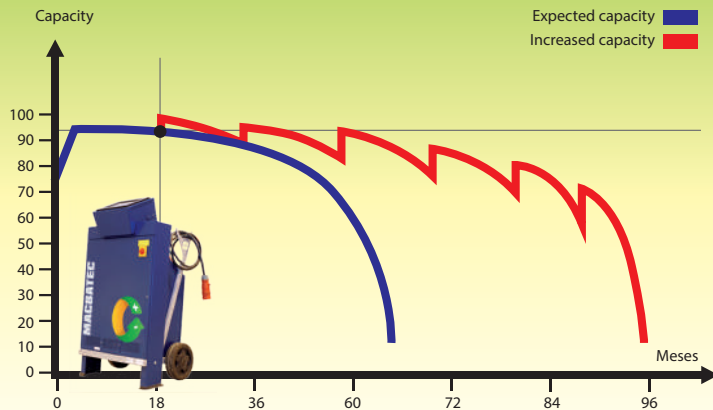
12-24 months



+80%



x2-x3



MACBATEC MAINTENANCE SERVICE

It's done regularly every 12-24 months while sulphation is still low. With no electromechanical damages, life span will be doubled and even tripled. **Doubling life in a EUR 4,000.- battery means net profits of another EUR 4,000.-**

ALL TYPES OF LEAD-ACID AND NICKEL-CADMIUM INDUSTRIAL BATTERIES ARE REGENERATED WITH OUR TECHNOLOGY:

- Traction Power (Material Handling Equipment)
- Stand-by Power (Uninterrupted Power Supply: Telecom & Data)
- Back-up Power (Smart Grids for Storage Solutions)

Working Procedures included in our Advanced Training Program will cover regular WET batteries, GEL, monoblocs and UPS sealed batteries.

Regeneration results can be measured at any time following the applicable battery standard.

Warranty and Continuous Technical Support is provided to all our customers during the whole life of our machines.

MACBATEC DEVICE	MINI	MIDI	MAXI	MAXI PLUS
BATTERY VOLTAGE	12 - 48V	24 - 80V	48 - 120V	TAILOR MADE

PRICE FOR THIS TECHNOLOGY IS JUST A FRACTION OF THE SAVINGS PROVIDED.

Since 1998 in Sweden and currently in Spain, MacBatec has developed, manufactured and perfected the most efficient technology to regenerate batteries in the market. Our double-control software continuously measures internal resistance both in the battery and in the reference cell and applies the type of current that is needed at each time. As a result, the best efficiency that is technically possible is offered for each individual battery.



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