



# CAM CURING CHAMBERS

A KEY COMPONENT FOR ACHIEVING TOP QUALITY

## 50 YEARS EXPERIENCE

Our extensive experience in the industry tells a lot about the deep knowledge we have acquired regarding lead acid battery production and innovation. Our R&D department is constantly updating and innovating all manufacturing and engineering processes to achieve incomparable quality levels. Highly controlled temperature and moisture conditions, as well as effective air flow are the basic ingredients for high quality battery plates!

CAM Srl is best in class in the battery industry, excelling in all key factors for fine-tuning the curing process.

## WHY OUR CHAMBERS

Our latest curing chamber models are all equipped with an **ADVANCED DIGITAL CONTROL PANEL** to monitor temperature constantly humidity, number, and duration of curing cycles to achieve the best in terms of plate quality, adhesion and performance, as well as an unprecedented **ENERGY SAVING RATIO!**

- ✓ Effective energy probes
- ✓ Innovative Control Software
- ✓ Effective Air Flow Turbulators



Find out more!

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# WE SOLVE REAL ISSUES

OUR CHAMBERS STREAMLINE YOUR MANUFACTURING BOTTLENECK

Curing chambers transform the free lead content (Pb) in battery plates into PbO in a controlled environment. Curing, followed by a drying phase is generally considered a bottleneck in the battery manufacturing process. CAM srl has developed advanced solutions capable of significantly shortening such time. The core of our innovative process is located on top of the machine, where steam, air, and heat

are conveyed into the chamber to generate a consistent, horizontally directed process flow to the plates.

Steam is an essential part of this process, because it helps the heat and air penetrate more deeply into the active material, thus favoring consistent oxidation, while preventing water drops and sulphatization of the plates.

## STEAM CURE SL

Best for small and medium production

The STEAM CURE SL curing chamber with self loading can house up to 16 standard pallets and is designed to carry out both tribasic and tetrabasic treatment of the plates.

	<b>POSITIVE PLATES (+)</b>	<b>NEGATIVE PLATES (-)</b>
Number of plates per pallet:	(Pos.+) 3.920	(Neg.-) 4.900
Number of plates per chamber:	(Pos.+) 62720	(Neg.-) 78400
Kg of lead per pallet:	(Pos. +) 176	(Neg.-) 196
Kg of lead per chamber:	(Pos. +) 2.816	(Neg. -) 3.136
Kg of active material per pallet:	(Pos. +) 320	(Neg. -) 390
Kg active material per chamber:	(Pos. +) 5.120	(Neg. -) 6.240
Pallet weight:	Kg (45÷50) each	
Total weight per pallet:	(Pos. +) Kg 546	(Neg. -) Kg 636
Total weight per chamber:	(Pos. +) Kg 8736	(Neg. -) Kg 10176
Duration of cycle 'horizontal plates'	(20÷28)h	
Duration of cycle 'vertical plates'	(16÷24)h	



## STEAM CURE 52

Best for high and very high production

The STEAM CURE 52 curing chamber can load up to 52 standard pallets.

Target manufacturers are those with high production levels.

This model can also be equipped with a vertical roll-up door, to significantly reduce space requirements and loading time.

	<b>POSITIVE PLATES (+)</b>	<b>NEGATIVE PLATES (-)</b>
Number of plates per pallet:	(Pos.+) 3.920	(Neg.-) 4.900
Number of plates per chamber:	(Pos.+) 211.680	(Neg.-) 264.600
Kg of lead per pallet:	(Pos. +) 176	(Neg.-) 196
Kg of lead per chamber:	(Pos. +) 9.504	(Neg. -) 10.584
Kg of Active material per pallet:	(Pos. +) 320	(Neg. -) 390
Kg of active material per chamber:	(Pos. +) 17.280	(Neg. -) 21.060
Pallet weight:	(45÷50) Kg each	
Total weight per chamber:	(Pos. +) Kg 29484	(Neg. -) Kg 34344
Duration of cycle "horizontal plates"	(28÷36)h	
Duration of cycle "vertical plates"	(21÷28)h	



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