

NEWS

SPRING 2015

PRODUCTNEWS AND INFORMATIONS



DEAR CUSTOMERS AND INTERESTED PARTIES,

We welcome you to our spring edition of **CMWTEC NEWS**. In this current edition we would like to present our novelties.

As an innovative company we want to continually support you with new products, it is our job to turn customers' specific wishes into reality.

Our young development team, under the direction of Pascal Lambert, fulfills your wishes and requests especially with regard to the requirements of Industry 4.0.

Look at our current product innovation on the following pages.

Continue to be interested,

Kind regards

Ingrid Wipperfurth
(Managing Director)

OUR NEW REPRESENTATIVE FOR UNITED STATES OF AMERICA

Since March 1st, 2015 Glen C. Hanson is our new representative in the US. He will focus on business meetings with clients and manage the regional launch of several new products being introduced in 2015 and ongoing by **CMWTEC** technologie GmbH.

In the US together with our sales manager Michael Wipperfurth he will not only present our established range of machines but also our new developments.

Contact details

Glen C. Hanson
Phone +1 215 870 6187
Email: glen@hansonreps.com

Michael Wipperfurth
Phone +49 175 221 3034
Email: mi.wipperfuerth@cmwtec.de

At this place we would like to thank Bill Lincoln for his longtime and successful work for **CMWTEC** and wish him all the best.



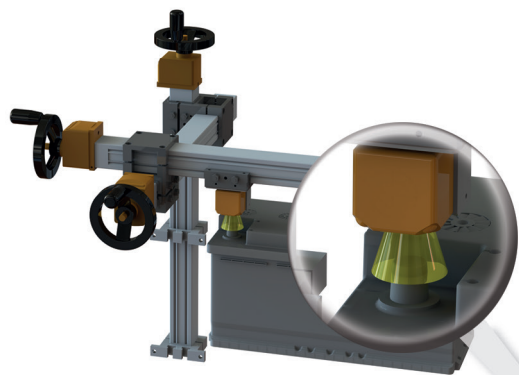
PERFECTION MADE EASY. COMBINE SINGLE MACHINES TO A COMBINATION BASED ON CUSTOMER DEMANDS.

AUTOMATIC COMBINATION MACHINE

POST CHECKING/BRUSHING/ HRD AND HVT TESTING/NEEDLE MARKING

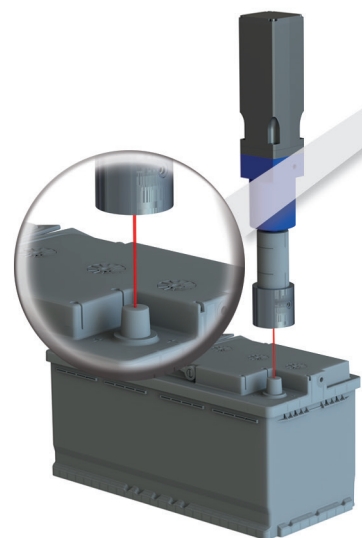
ADVANTAGES AND ATTRIBUTES

- Automatic process in combination as 5-in-1 machine
- One control Panel for all machines
- Independent on/off selection for each section
- Capacity Output up to 8 batteries/min
- Scanner integration for 2D and barcode, with database storage
- Quick change over time less than 3 minutes
- High Quality Test

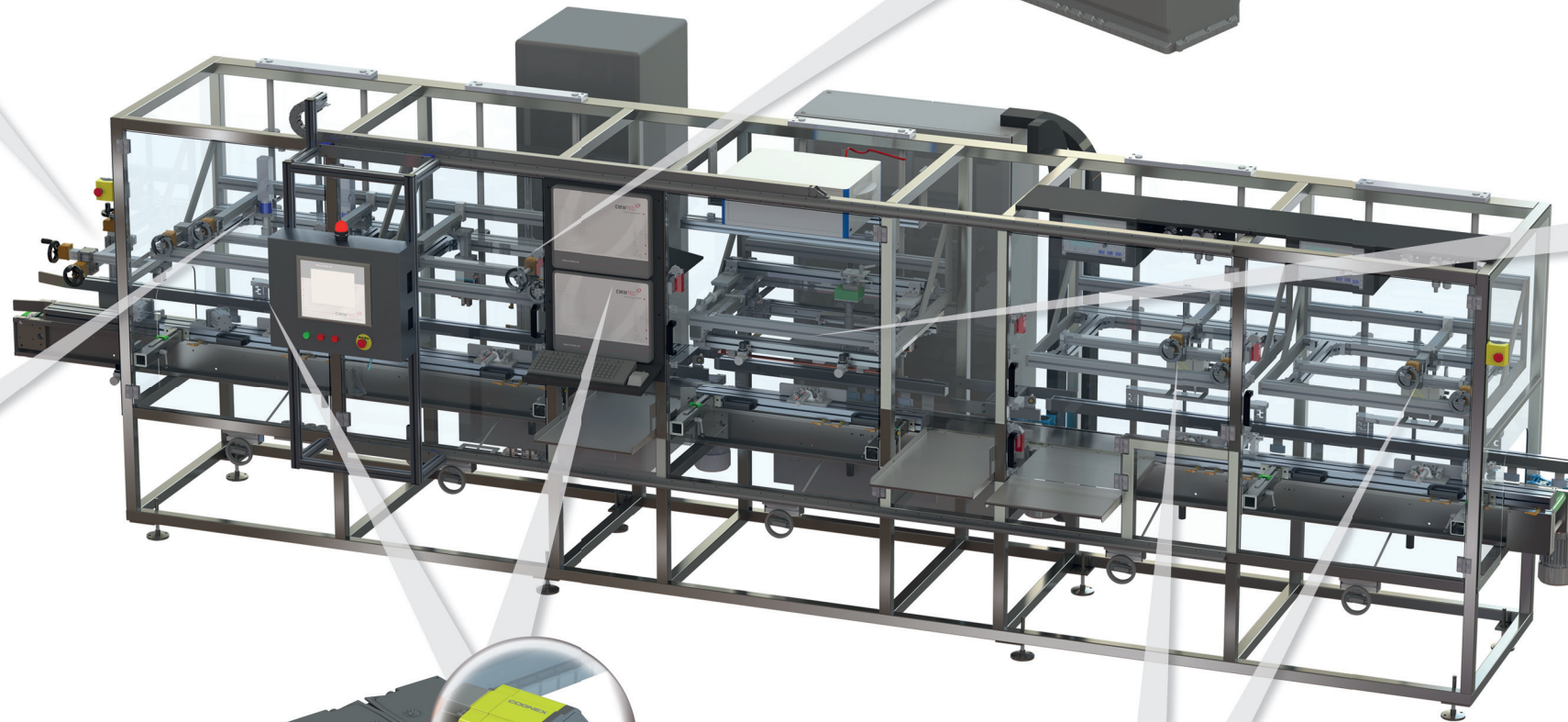


Comply with OEM Standards

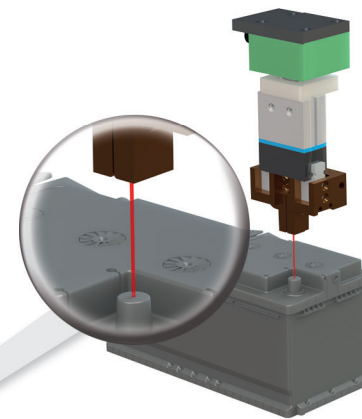
The machine is used for **Post Positioning Checking** at the entrance of the machine to avoid any damage on the battery when feeding batteries in wrong direction through the machine.



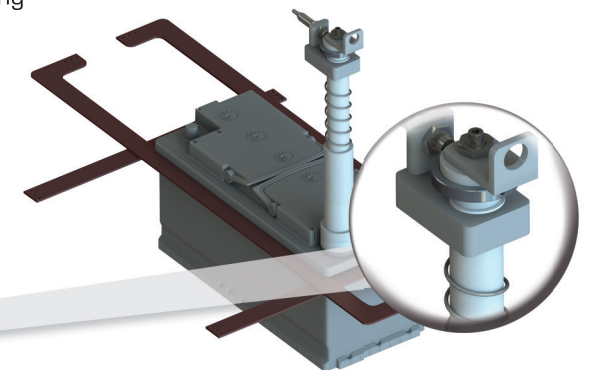
As another part of the combination machine the **Post Brushing** section is integrated behind the Post checking. This machine section is used to polish the terminals before entering the HRD test machine.



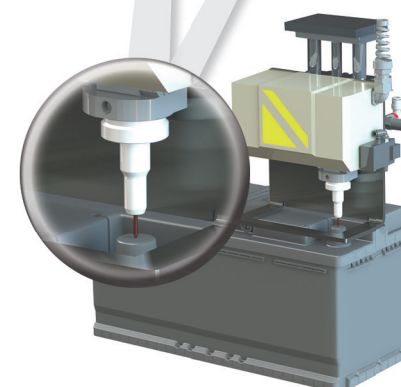
With a **Scanner and a High-Tech Software solution** along with a database storage to read 2D code and barcode this machine is ready to collect all information from the test results and store it together with the battery code. This is perfect for reporting and analyze of tested.



Following the Brushing section the battery will be transported to the **High Rate Discharge Test** which is equipped with a clamping system for solid connection.



Behind the HRD follows the **High Voltage Leakage Test** section with self-adjustable test bars for checking the lid sealing and battery bottom box. These two test machines are used for final quality performance test and leakage test of the batteries. These units guarantee a high quality check of the battery at the end of the line. Connected to high-end digital electronic test devices, these units fulfill the OE requirements standards.

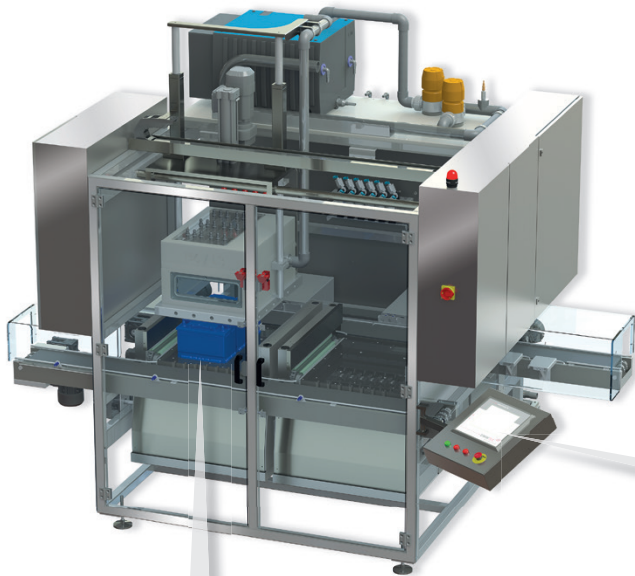


At least this combination machine has two **Needle Marking** units integrated behind the Test section. One unit for marking the top lid and one unit to mark the battery terminal with customer or factory specific information. Single characters or 2D code are possible as well as a brand logo.

HIGH CAPACITY OUTPUT WITH PRECISE FILLING

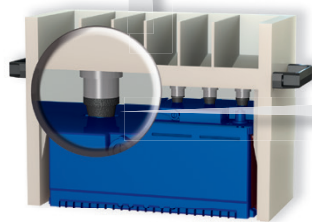
FULLYAUTOMATIC AGM/VRLA VACBOX ACID FILLING MACHINE

We would like to introduce our new generation of AGM/VRLA Vacuum Filling Machine. With its space-saving design it is a unique machine with a high capacity output of 6 batteries per minute. The patented VACBOX with the Anti-Dripping-Valve guarantees a very accurate filling of $\pm 0,3\%$ of the filling volume. The image-based menu for easily menu navigation is also an advantage to allow a smart operation of the machine.



ADVANTAGES AND ATTRIBUTES

- High Speed filling capacity up to 6 batteries/min
- Battery evacuation inside & outside of the battery
- Very accurate filling, ($\pm 0,3\%$ of filling volume)
- Exact filling volume by flow meter per cell
- Space saving design – temperature control monitoring
- Integrated acid tank – self-cleaning lift and transportation system below the filling unit



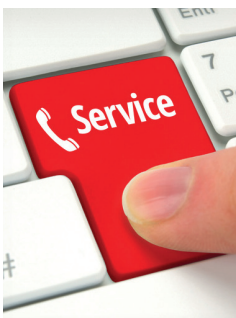
- patented VACBOX System
- patented Anti-Dripping Valve
- up to 90% vacuum possible



- no dripping
- modular system
- optimal acid distribution



- image-based menu
- easily menu navigation
- status display of aggregate



TOP SERVICE FOR SATISFIED CUSTOMERS

With the delivery and installation of our machines we will not give up our responsibility. We place a high value on trustful and cooperative partnership. Therefore, we continue to be your first choice when it comes to finding a solution for your problem. It even goes so far that if necessary we will also come to you personally. Because with us service is not a blank promise but part of our philosophy!

CMWTEC technologie GmbH

Grossmannswiese 14 ■ D-65594 Runkel-Ennerich ■ phone +49(0)64 31.992 40 ■ fax +49(0)64 31.744 43
info@cmwtec.de ■ www.cmwtec.de