



# The new Böhler Welding DRY SYSTEM for Stick electrodes



# Oven Dry Electrodes without Re-drying



DRY SYSTEM Features	User Benefits
Oven dry electrodes upon opening the vacuum pack and up to nine hours thereafter	<ul style="list-style-type: none"> <li>■ Guarantee of low-hydrogen weld metal – an important prerequisite in the prevention of hydrogen cracks</li> </ul>
Strong vacuum packs that fully resist moisture reabsorption	<ul style="list-style-type: none"> <li>■ Avoidance of costly climate controlled storage and handling and re-drying. Simple distribution to welders</li> </ul>
Label for documenting date and time of opening	<ul style="list-style-type: none"> <li>■ Possibility to check whether electrodes are within 9 hours of safe exposure</li> </ul>
Several filling contents available	<ul style="list-style-type: none"> <li>■ Content can be chosen to match fabricator or industry specific consumption. Fewer electrodes remaining to be re-dried or scrapped</li> </ul>
Fully recyclable materials	<ul style="list-style-type: none"> <li>■ Can be disposed with normal paper and metal waste</li> </ul>

Böhler Welding DRY SYSTEM is the efficient alternative for costly climate controlled storage and handling procedures, providing “oven dry” stick electrodes straight from the vacuum packaging. DRY SYSTEM avoids the necessity of re-drying, and use of holding ovens and quivers in welding applications with a potential risk of hydrogen induced or hydrogen assisted cracking. Safe welding with low-hydrogen weld metal is assured up to nine hours after opening the vacuum pack.

The Böhler Welding DRY SYSTEM ensures for the relevant basic covered non-alloy and low-alloy electrodes a diffusible hydrogen content of

< 5 ml/100 g weld metal according to EN ISO 3690 or <4 ml/100 g according to AWS A4.3-93 within a processing time of 9 hours after opening of the pack. This condition is preserved until nine hours after opening the pack, provided the foil remains in place.

Using a stronger foil made of multi-layered aluminium, the new Böhler Welding DRY SYSTEM offers maximum safety against loss of vacuum due to the undesired penetration of sharp objects during storage and use. Also welders will see immediately if the electrodes are still oven dry.



Elvira Klamming

With the vacuum in place, electrodes are ready to use. The packs can be stocked in any dry place where the packaging cannot get damaged. Packs must be allowed to warm-up to ambient temperature before opening, to avoid condensation of atmospheric moisture on the electrodes.

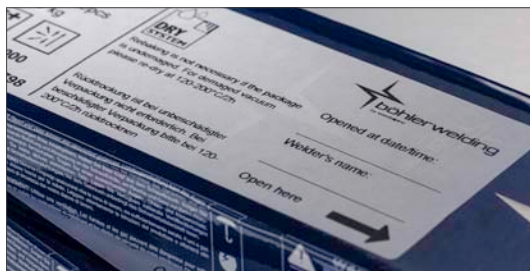
DRY SYSTEM is also user-friendly. The inner carton has a tear flap for easy opening and the vacuum packs themselves carry a special label for

writing the welder's name and date and time of opening. With a choice of filling content – 1.5, 2.0 and 3.5 kg – it is easy to match electrode consumption to specific needs of individual customers and industries.

Last but not least, DRY SYSTEM is environmentally-friendly. No plastic in the form of PE or PP boxes is used at all – all components can be scrapped with normal metal and paper waste.



Strong, recyclable aluminium foil preserving the vacuum



Area for documenting date and time of opening vacuum



Easy opening tear flap and fully recyclable inner carton

## Maximize efficiency by reducing the number of handling steps

### Conventional packaging (non vacuum)

- 1 Climate controlled storage in central stock
- 2 Re-drying as safety procedure
- 3 Climate controlled intermediate storage on site
- 4 Climate controlled storage in quivers before use

### With DRY SYSTEM

- 1 Storage in any dry place where packaging cannot get damaged

- 5 Welding
- 6 Re-drying or scrapping of remaining electrodes

# voestalpine Böhler Welding

## Welding know-how joins steel

Customers in over 150 countries join the expertise of voestalpine Böhler Welding. Focused on filler metals, voestalpine Böhler Welding offers extensive technical consultation and individual solutions for industrial welding and soldering applications. Customer proximity is guaranteed by 40 subsidiaries in 28 countries, with the support of 2,200 employees, and through more than 1,000 distribution partners worldwide. voestalpine Böhler Welding offers three specialized and dedicated brands to cater our customers' and partners' requirements.



**Böhler Welding** – More than 2,000 products for joint welding in all conventional arc welding processes are united in a product portfolio that is unique throughout the world. Creating lasting connections is the brand's philosophy in welding and between people.



**UTP Maintenance** – Decades of industry experience and application know-how in the areas of repair as well as wear and surface protection, combined with innovative and custom-tailored products, guarantee customers an increase in the productivity and protection of their components.



**Fontargen Brazing** – Through deep insight into processing methods and ways of application, Fontargen Brazing provides the best brazing and soldering solutions based on proven products with German technology. The expertise of this brand's application engineers has been formulated over many years of experience from countless application cases.

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### Böhler Welding

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