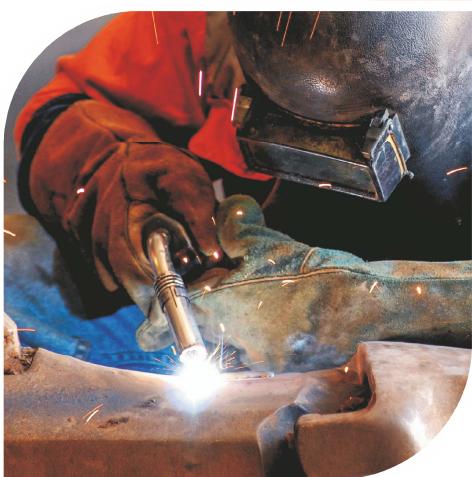




Ace Info**BAHN** Pvt. Ltd.

# WELDING SIMULATORS



*the training is simulated  
...the skills are real*

# **BAHN IE 4.0**

## **Hardware**

### **Real Welding Torches**



Real welding torches for GMAW (MIG/MAG) & FCAW, SMAW (MMA Electrode) and GTAW (TIG) with electrode stick and filler rod. Made by Abicor Binzel in Germany

### **Real Welding Helmet**



Real welding helmet with lens, Fresnel system creating panoramic and surround view

### **Real Welding Gloves**



A pair of real welding gloves to gain skills.

## **Welding Simulator**



Analysis module provides each student a profile where progress, videos and exercises are stored.

Device footprint is small and lightweight (less than 40 cm tall and 10 KG).

Made in Europe ISO 9001 / 14001 certified. CE/FCC marking. Uses standard electricity outlets.

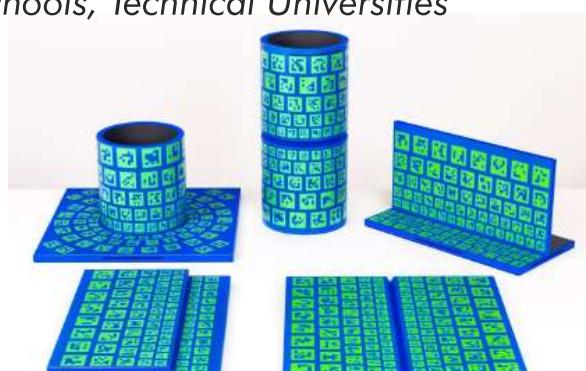
Front panel based on real power source, being able to modify voltage, amperage, gas, etc

User-friendly interface, translated into over 33 languages



## **Education License**

Welding Process	GMAW (MIG/MAG) FCAW G/S SMAW (MMA Electrode) GTAW (TIG)
Base Materials	Carbon Steel
Thicknesses	3, 6, 10 mm
Gases	Argon - CO2 / CO2 / Argon
Transfer Modes	Short circuit, globular, spray
Welding Joints	Education Welding Joints - Included  Overlapped plate V-Butt plate V-Butt pipe T-Angled pipe to plate T-Angled plate to plate
Robot Welding	Not supported
E-learning Welding	<u>Included</u>
Curricula	Augmented Training BHAB Welding Curricula  <u>Optional</u>  Augmented Training Methodology (on demand)
OPTIONS	Yearly Lifetime  Attract young people and modernize welding training programs to create the talent required by the industry  FOR: Metal Manufacturing, Vocational Schools, Technical Universities



## **Most Extensive Catalogue of Welding Joints**

### **Education Welding Joints**

Improved software provides Education joints more realism behavior with the simulation of different thicknesses and bevels.

### **More realism in welding simulation:**

Improved welding behaviour according to different thickness.

New bevels development depending on thickness, processes and joints (ISO 9606.1)

### **New tube-tube definition:**

3 mm tube >> 6" Schedule 10s

6 mm tube >> 6" STD/40

10 mm tube >> 6" XS/80

### **UNE-EN ISO 9606 certified**

## **BAHN IE e-Learning**

### **On premise or on the cloud**

BAHN IE e-Learning can work with an on premise local controller/server or with a cloud-based controller/server.

Cloud e-Learning is a flexible internet-based hosting solution that allows to have a centralized database hosted in cloud.

With the e-Learning database on premise all the data is hosted on the on premise local controller/server.

For welding content, INSTRUCTOR access from desktop app and STUDENT access from web browser.

With the cloud option, teachers and students are connected on real time being able to communicate and share information.

All the data is continuously updated on the e-learning database located on the controller/server.

# BAHN IE

## e-Learning

BHAN E-Learning is a Learning Management System (LMS) application specifically designed to work under the Augmented Training Methodology.

### TEACHER ACCESS

- Upload welding theory or select it from BHAN content.
- Create and customize the welding practices.
- Select the scoring methodology and guides.
- Students management
- Also available for MacOs

### ACCESIBILITY

- Cloud e-Learning: flexible internet-based hosting solution that allows to have a centralized database hosted in cloud.
- With the e-Learning database on premise all the data is hosted on a on premise local controller/server.
- Live Shareview, Sharing and Chat to view and communicate teachers and students on real time.

### STUDENT ACCESS

- Students have access to content - theory and practices remotely..
- Students can review their own performance.
- 100% individualized learning experience
- Web Access.

### REPORTING & STATISTICS

- Generate individual exercises reports.
- Include logos.
- Review the overall score, technique parameters, equipment. Settings and defects.
- Provide actionable and practical feedback to improve the quality of the welds.



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