

**HYDRA for Electronics** – *The Manufacturing Execution System for the Electronics Industry*

**Digitalization** in production is unstoppable.  
Companies who want to increase productivity need an MES.  
With an MES, you **keep an eye on all resources** and design your  
production processes with the utmost **efficiency**.



Why an MES?

The electronics industry places special demands on manufacturing IT. MES HYDRA for Electronics by MPDV meets the **requirements for electronics manufacturing** and still offers **standard functions** of a classical MES.



Why  
an Industry Solution?

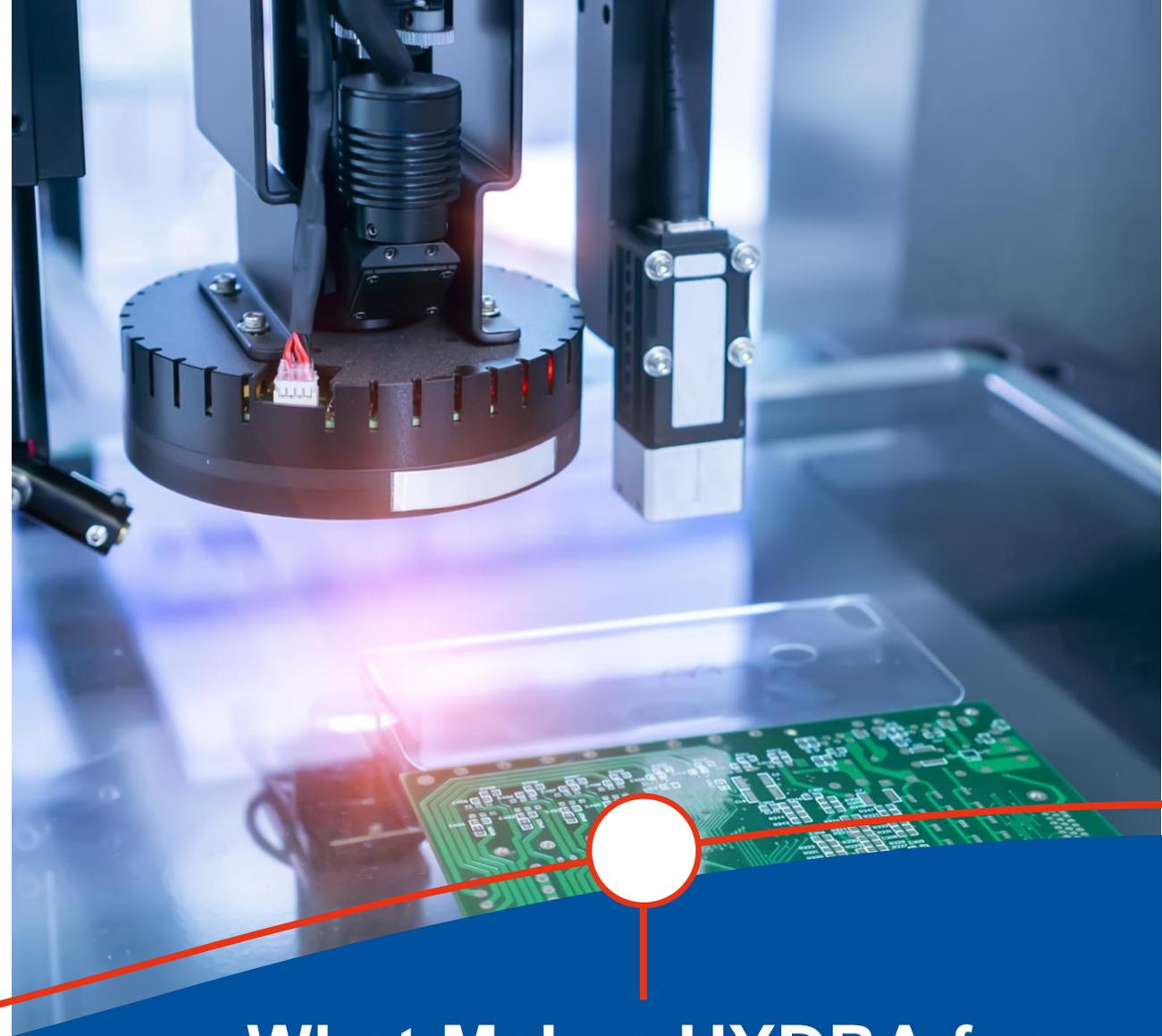


## What Makes HYDRA for Electronics so Special

Machines in the electronics industry place more than 100,000 components per hour when **assembling printed circuit boards**.

These include **components from different manufacturers**, which are processed at a very high speed.

HYDRA for Electronics from MPDV **records large amounts** of data to provide traceability.

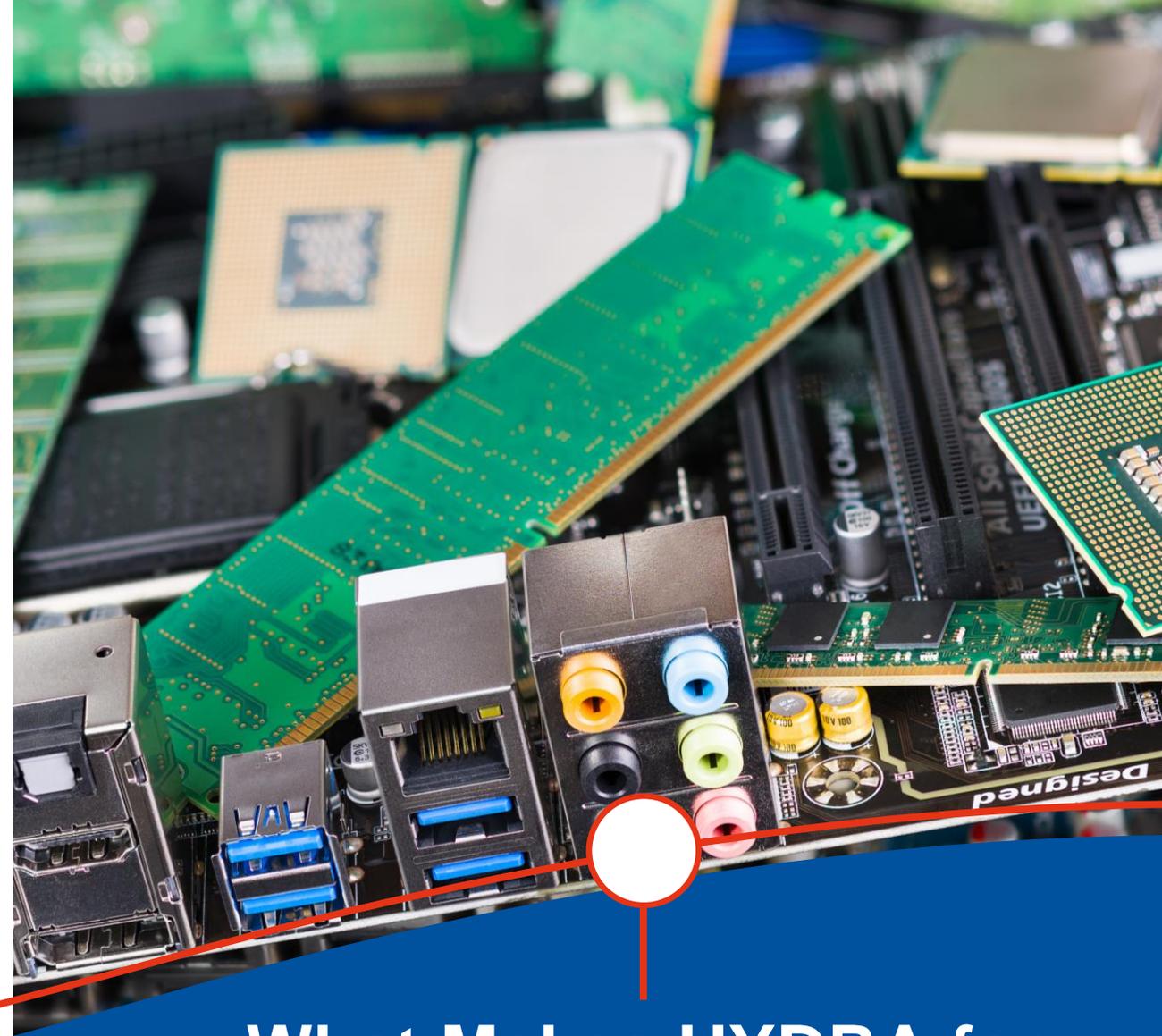


**What Makes HYDRA for Electronics so Special**

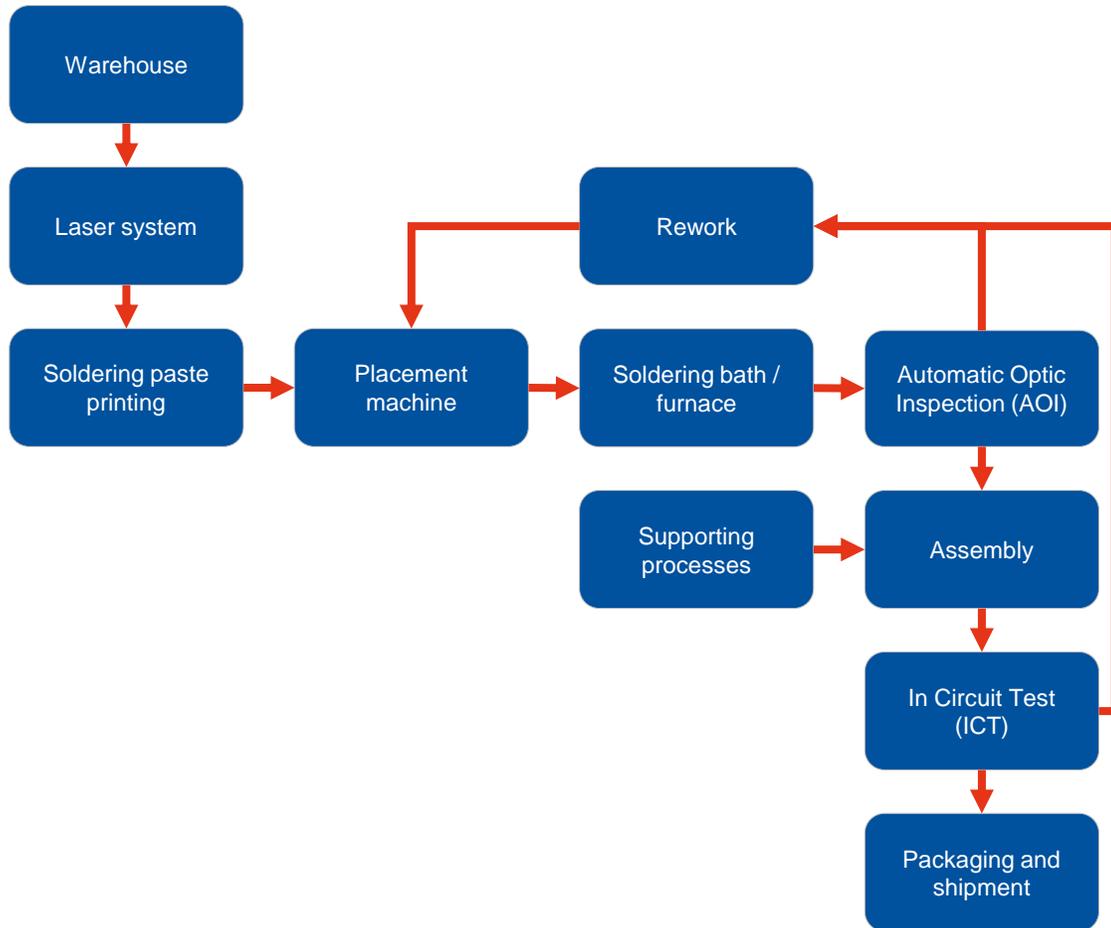
Most electronic components are sensitive to **humidity** and must be processed quickly.

You can **manage the moisture sensitivity level (MSL)** with HYDRA for Electronics and know exactly where and for how long any component is stored.

The advantage: **less material waste** due to excessive storage times.



## What Makes HYDRA for Electronics So Special



HYDRA for Electronics **records all information** on different components. With HYDRA for Electronics, **you know how long material is stored in the open** and where the component is used.

What Makes HYDRA for Electronics so Special

**Placement machines or test machines** can be connected to HYDRA for Electronics in no time at all.

**Complete documentation** and traceability is thereby guaranteed.

**A number** is assigned to each component in the process for **identification purposes**. HYDRA for Electronics can generate a UID (unique ID) or it can be passed from the ERP system.



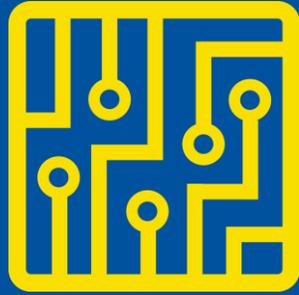
**What Makes HYDRA for Electronics so Special**



## Main Advantages with HYDRA for Electronics



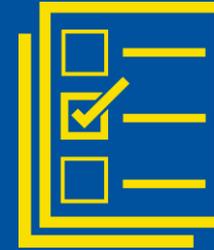
**Unique  
identification (UID)**



**Easily connect  
Placement  
machines**



**Keeping an eye  
on all materials**



**Increased efficiency  
thanks to setup lists**



**First Pass Yield  
calculation made easy**

**Features of HYDRA for  
Electronics**

A photograph of a modern industrial building complex. The main building is white with blue accents and multiple windows. A smaller building with a blue roof and large glass facade is on the right. The sky is blue with white clouds. A red line graphic runs across the bottom of the image, ending in a white circle.

## About MPDV

WE CREATE SMART FACTORIES



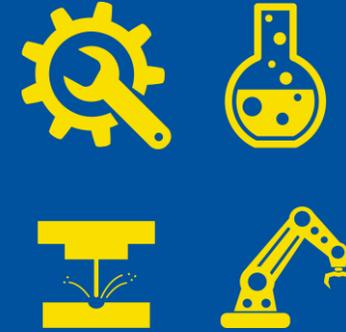


**Market  
leader**

for IT solutions in production



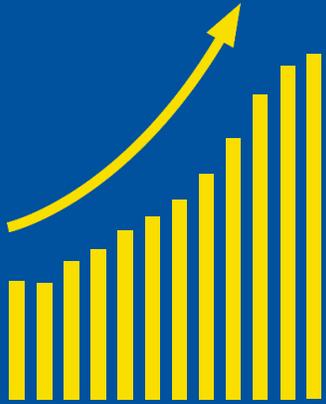
Over  
**45 years**  
project experience



We are at your side on the way to the Smart Factory

**regardless** of  
your **size** and **industry**

**Who are we?**



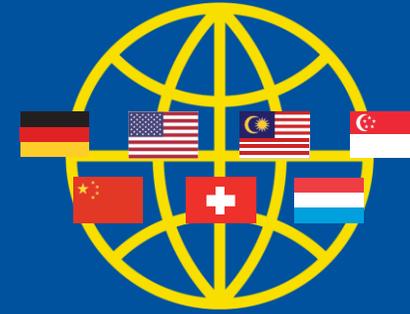
**73 Mil**

Euro group turnover



**520**

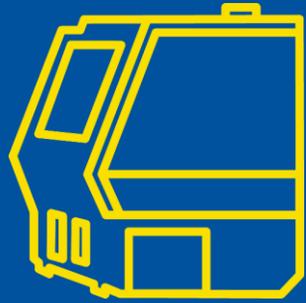
Employees



**13**

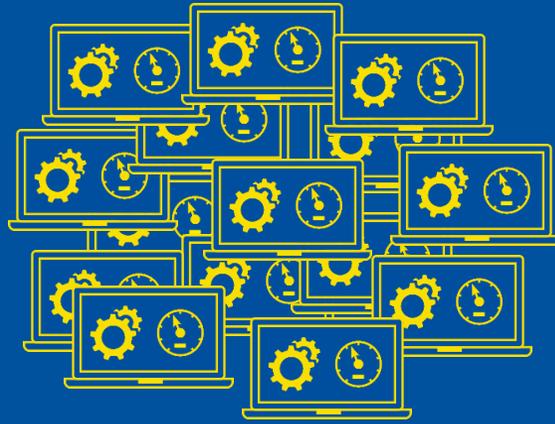
Locations worldwide

**Basic Information**



**100,000**

Machine connections  
worldwide



**1,100,000**

People work with MPDV  
systems every day



**1,750**

Installations

**Basic Information**

# Would you like to learn more about HYDRA for Electronics?



*WE CREATE SMART FACTORIES*



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**Contact**