

# Smart Factory Connectivity solutions



## Digital networking creates transparency

The ability to react more quickly, to process more parts in less time and cut costs at the same time: These are all benefits brought by that renowned term Industry 4.0. Connect components both within and outside your production facility and boost your digital information exchange. This all makes your processes run smoother, and in turn increases your profits.

- TRUMPF creates transparency: Along your entire shop floor, regardless of the age, manufacturer or technology of your machines
- It makes the integration of TRUMPF machines and other machines easy within a monitoring system

## Get started now!

No matter how networked you already are - the target is clear: To be able to tackle greater complexity and smaller lot sizes in the sheet metal processing business. With our world of Smart Factory solutions, we support you step-by-step on your way. No two companies share the same path to that end: The modular components are combined to form the ideal solution for your needs.

- It provides an overview and flexibility: Saves you cash and valuable time
- It facilitates the condition monitoring, analysis and preparation of data for local systems.

## Not all of your machines can send data!

What do you do with existing machines when they have no standardized data exchange function? TRUMPF has the right answer for this.



Connect TRUMPF machines  
with your monitoring system

**Integrate TRUMPF machines with  
Extension Cube OPC UA Retrofit  
your monitoring system.**

### **Transparency through data analysis**

A wave of innovations is currently changing the market and providing technologies and methods with which production can be optimized using concrete analyses. This is impossible, though, without a valid data basis. OPC UA Retrofit provides this basis, enabling you to interpret your data.

### **Technical tradition and innovation**

Thanks to stable, proven mechanical systems, TRUMPF machines are robust and reliable. Take the opportunity to digitally integrate TRUMPF machines in your shop floor. In doing so you can ensure reliable and profitable production.

### **This is how OPC UA Retrofit works**

OPC UA Retrofit makes existing digital interfaces of TRUMPF machines for third-party monitoring systems available. The system consists of the Extension Cube Hardware and OPC UA Retrofit. As soon as it is connected and configured, it provides the available signals in the local network.



# Connect third-party machines to the TRUMPF world



**The Basic Connectivity Kit integrates third-party machines and older TRUMPF machines in Oseon**

## **Reduced downtimes and improved production sequences**

The Basic Connectivity Kit enables the capture of the operational statuses of your machines with Oseon. You can react immediately to problems and reduce idle times.

With your new transparency and analysis, you can identify hidden potential in your production facility and optimize your direct and indirect process steps.

## **The Basic Connectivity Kit works like this**

Once it is installed, the Basic Connectivity Kit provides signals depending on the operating status of the machine - and that with amazing simplicity: "Machine is idle without malfunction", "Machine is idle with malfunction", "Machine is producing". Oseon interprets this information and visualizes it in the same way as your other machines in the dashboard. This functions around the clock and at all the workstations in your production facility.

## **Technical tradition meets innovation**

Thanks to robust, proven mechanical systems, TRUMPF machines run for many years. Over the years, they are modernized in terms of monitoring, control, drive and automation to increase productivity. With the digital integration of the "old machines" through the Basic Connectivity Kit, you can make use of this reliable technology even in a modern shop floor.



## Smart Factory - many paths, one experienced partner

We offer process solutions in all areas

- **Automation**
- **Storage systems**
- **Production planning and programming**
- **Networked production**

Which process steps can you improve in your production system? Find out and optimize it with us!

Make a systematic plan, together with our Smart Factory experts, to identify the optimization potential within your production facility. We look forward to seeing you!  
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