



Breaking new ground.

Let's start the digital transformation together.

TRUMPF Hüttinger
generating confidence



Our IoT Service Promise:

We assist you to reach
best-in-class operational performance.

Maximum generator availability – brought to a new level

Since decades, TRUMPF Hüttinger demonstrates its strengths: Development of robust process power supplies, continuous design of sophisticated application solutions as well as fast and fair service support. This mindset enables us again for

pioneering technologies: TRUMPF Hüttinger Service goes IoT. Our commitment: Your coater up-time will be maximized, service support even more preventative and projectable. Even your coater productivity will benefit!

What's different to your previous service support?

IoT Services address a number of critical challenges in plasma coater operations ...

- Operational state of power supplies is often insufficiently monitored by coater control system
- Interpretation of power supply state requires additional expert knowledge not available on-site
- Issue resolution by TRUMPF Hüttinger technical service slowed down by lack of data about issue
- Optimisation potential (product quality, coater productivity) often goes unused because of lack of data and on-site expertise

... by combining comprehensive data with power supply and process expertise.

What are your benefits?

- Proactive, precise and fast issue resolution
- Increased coater up-time
- Identification of coater optimization potential
- Productivity improvements through expert advise
- Generator operation transparency
- Ready for comprehensive IoT solutions (e.g. predictive maintenance, full coater monitoring)

Highly secured. Your digital guard.

Connected Services for TRUMPF Hüttinger Power Supplies:

- We are striving to provide an optimal solution throughout the product life cycle
- Connected services enable us to leverage our know-how about power supplies and their associated processes anywhere, anytime
- New capabilities derived from IoT- and cloud-technologies make the approach feasible and cost effective



TruControl Power

OPC UA

Visual Assistance

Ethernet

OPC UA

Cloud based data

TRUMPF Hüttingers IoT Service System continuously monitors and analyzes the generators data in the cloud. Due to early detection of maintenance requirements and errors, unscheduled downtime is reduced.

OPC UA

Power supplies such as the TruPlasma MF7000 G2 or the TruPlasma Bipolar 4000 G2.1 series can be equipped with an OPC-UA interface for connecting to IoT systems.

Visual Assistance

At your side: Live broadcast of your smart glasses, tablet or smart phone. Experts from TRUMPF Hüttinger can support users in maintenance, repair and optimization. TRUMPF Hüttinger employees can connect to your device via Video stream. The user can be guided in real time in maintenance or repairs. Additional information can be shown on his screen or in his field of vision.

Remote Connection

A secure remote connection allows technical support from TRUMPF Hüttinger experts to support at any time.

Telemetry

Dashboards in the TRUMPF Hüttinger Service Center provide accurate real time information about the power supplies for optimum support of power supply users.

TruControl Power

The TruControl Power Software allows the setting of various parameters (for example Arc-Management) as well as the diagnosis of device and process behavior via a convenient graphical user interface.



Remote Connection

TruControl Power

Telemetry

For maximum uptime: IoT based Service Packages.



Not sure about digitalization yet? We still got your back:

Enhanced warranty extension

Hotline

Pioneering technologies. **Our Standard.**

The history of TRUMPF Hüttinger is defined by technical developments and patents, offering sophisticated solutions to practical challenges, consistently developed in close cooperation with our customers. Here the concrete application or problem always takes center stage. With its pioneering spirit and expertise

accumulated over decades, TRUMPF consistently helps bring efficient and lasting innovations to the market. Numerous processes worldwide have been intensified, accelerated, improved and made more environmentally friendly by TRUMPF Hüttinger developments. You can benefit from this and challenge us.