

## The company

Safematic GmbH is a dynamic company, a leader in innovative compact high vacuum coating systems.

The company is located in St. Gallen's Rhine Valley, a region full of experts in the field of vacuum and coating technology.

The products of Safematic are manufactured in Switzerland.

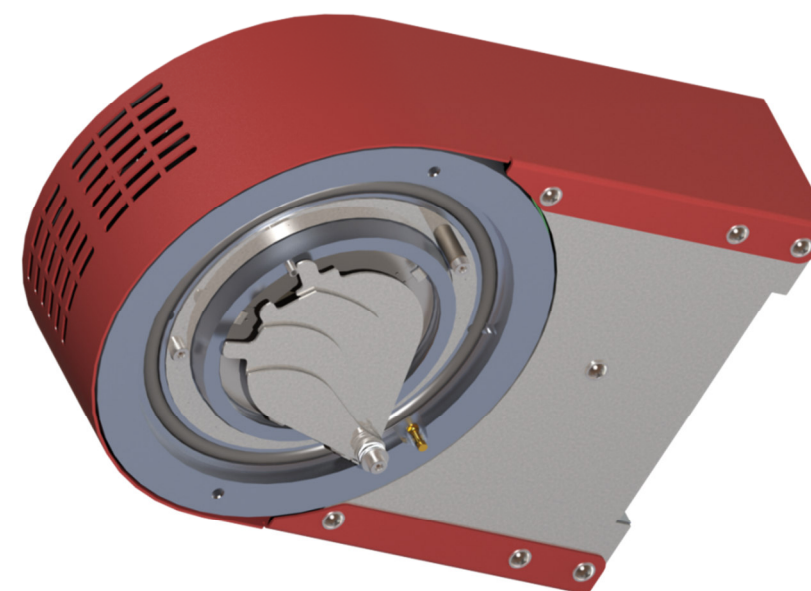
**swiss made**

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**make it visible**

Supplier  
for high-vacuum  
coating systems

# SP-010 Sputterhead | 100002

compact - modular - innovative

## An intelligent head

Safematic sets new standards in laboratory coating with its compact sputter head. Convince yourself of the small form factor and the numerous features that our engineers have packed into this head.

## Application

The sputter head can be used in combination with the **CCU-010 LV** or **CCU-010 HV** base units. A uniform interface (power and gas supply) allows universal use.

## Plug it, lock it, done!

The ingenious interface between sputter head and base unit allows you to connect the head to the base unit in one easy step. To change the target, remove the head from the base unit in no time at all.

## Targets

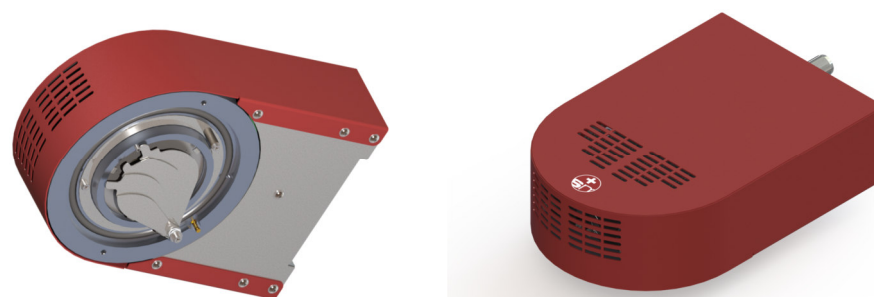
Use targets with Ø54mm and a thickness up to 3mm. The target is attached to the source body with a threaded ring. A tool included in the delivery facilitates the exchange of the target.

## Shutter

The shutter protects your samples during the cleaning process of the target. The control is done automatically by the base unit.

## Service

The sputter head is characterized by its high robustness. If servicing is required, the system can be operated with a spare head from safematic. This guarantees short downtimes of the system.



## Highlights und Features

- The magnetron sputter head allows fine-grained sputtering for high-resolution FE-SEM applications.
- For use with Ø54mm targets up to 3mm thickness
- Targets can be changed easily and quickly
- The high target utilization saves costs
- Sputtering of indium tin oxide (ITO) and carbon is possible. (Prerequisite: Basic unit CCU-010 HV).
- Detection and monitoring of implosion guard guarantees safe operation.
- Automatic target shutter
- Electronically controlled process vacuum ensures stable pressure conditions in the receptacle
- Target cooling with temperature monitoring ensures smooth operation.
- Circular gas orifice ensures homogeneous process gas distribution.
- Uniform electrical and pneumatic interface for use with basic units CCU-010.
- Automatic process head recognition
- Small size and weight
- Swiss Quality

### Technical data

Dimension (LxWxH)	230 x 160 x 60mm
Weight	2.9kg
Targets	Ø 54mm up to 3mm thickness
Connections, electrical	DSUB
Connections, gas	DSUB
Temperature range	10...40°C



### Your coating solution

In addition to our standard products, we also offer customer-specific extensions and options.

