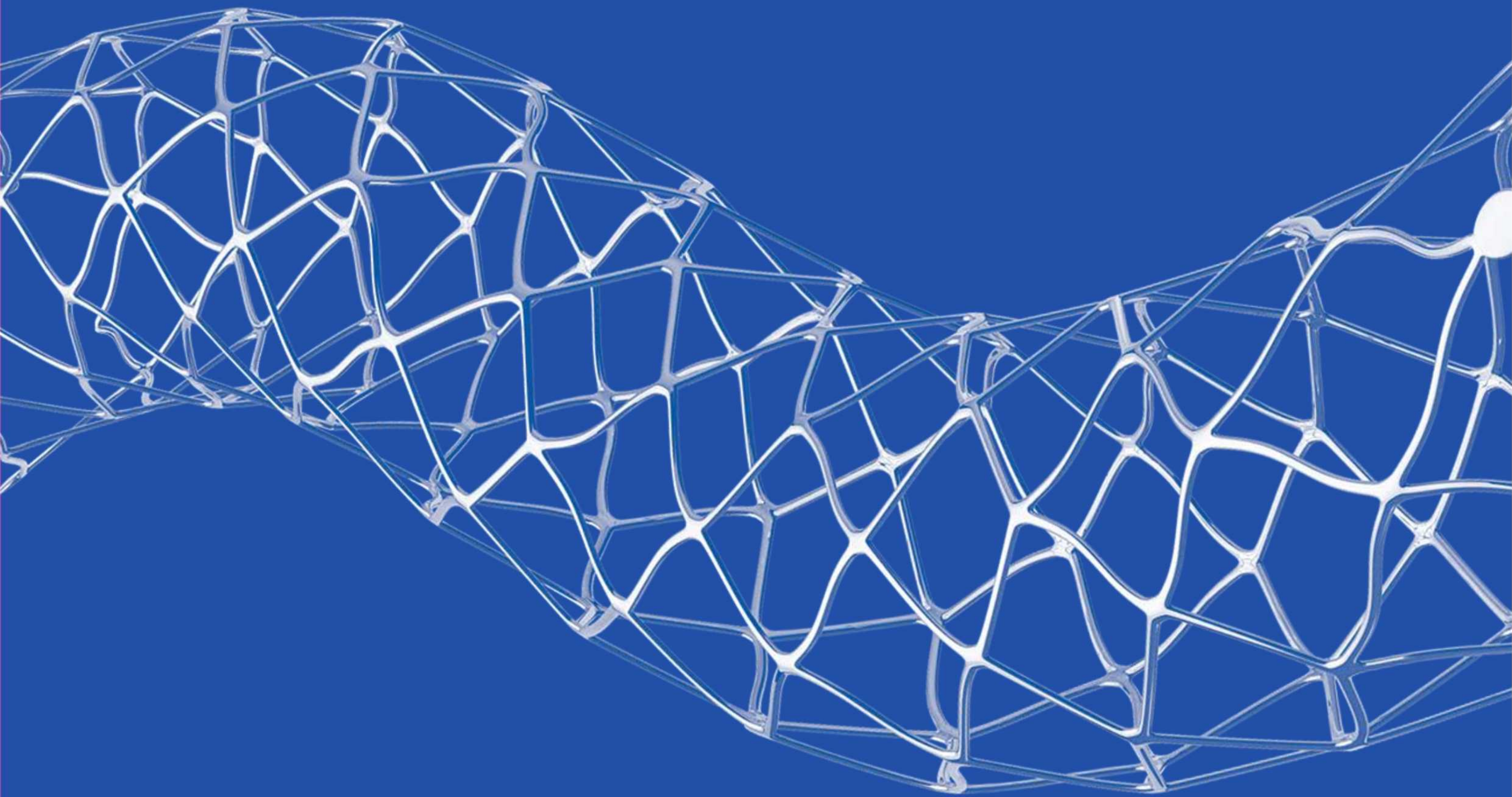


ELECTRO POLISHING EP-AVANTGARDE

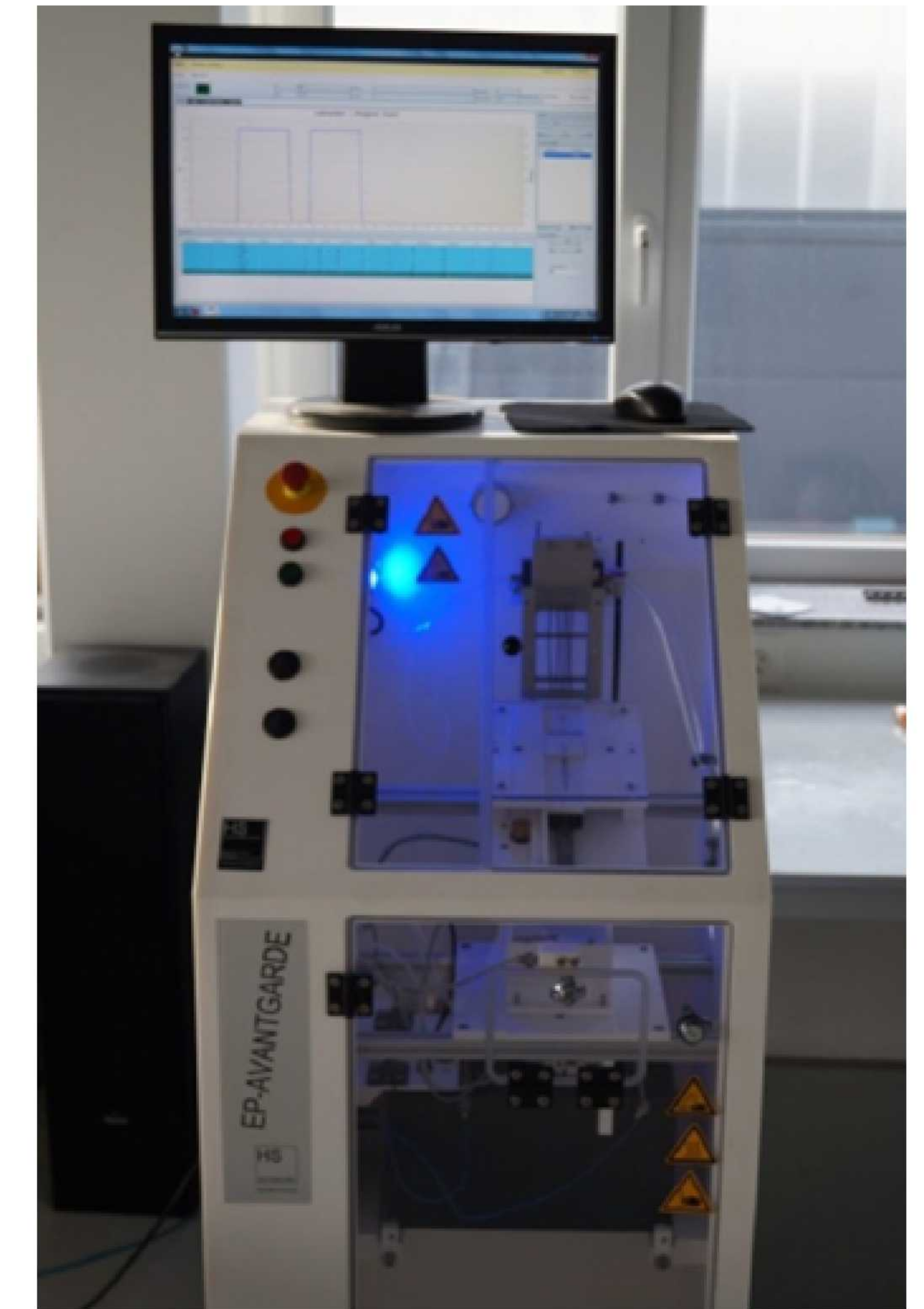
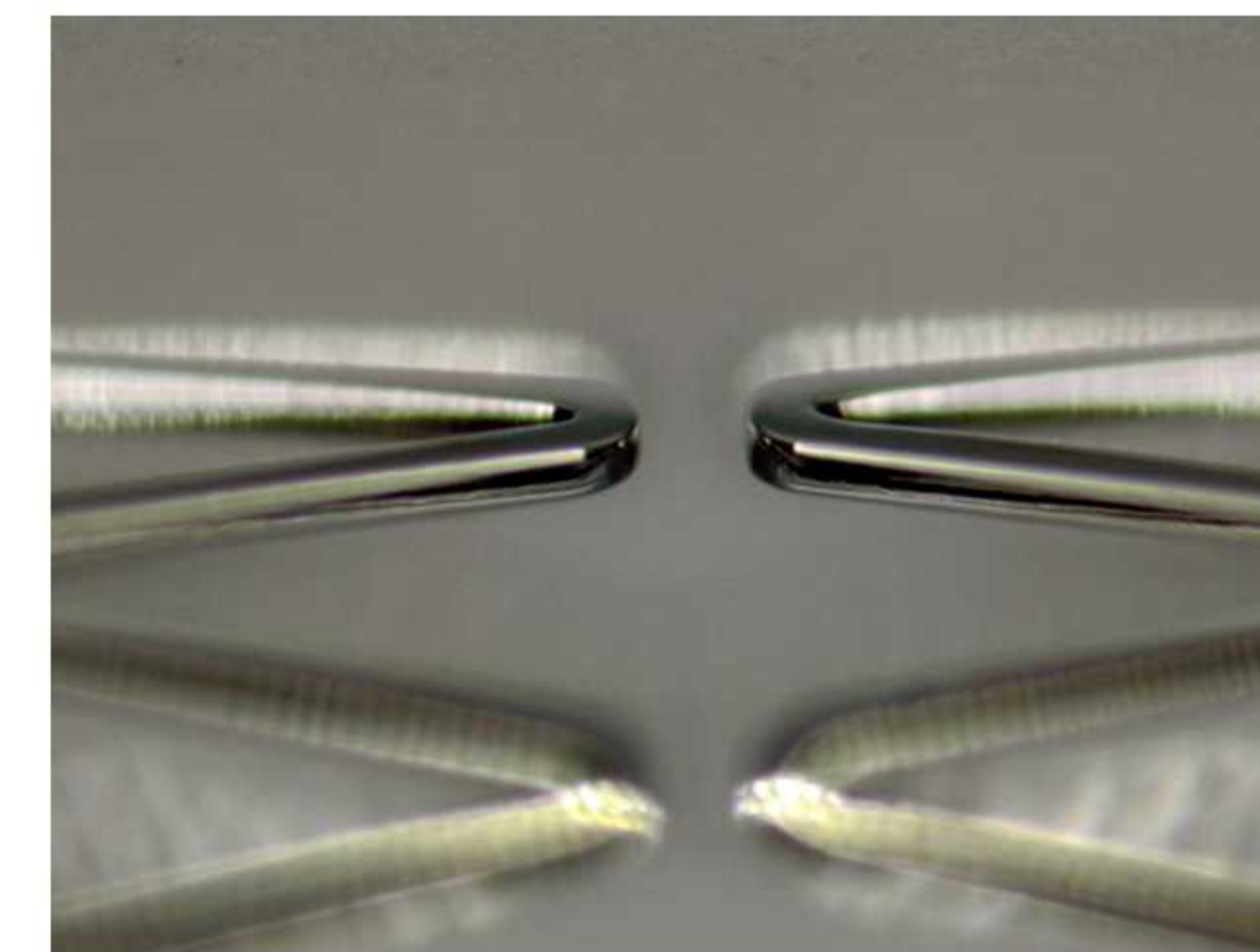


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CONCEPT

Electro polishing is one of the decisive processes that influence quality and compatibility of the product in the body. The micro-mechanical processing smoothens out the surface, which reduces the chemically active surface in the body. At the same time, the typically dynamic behaviour in the blood stream is improved by the smooth structures.



STRATEGY

Heinz Schade GmbH offers different machines for electro polishing. All machines correspond to the requirements to secure process control. The offer ranges from lab use to fully automated polishing machines.

The polishing system Avantgarde pursues a new concept of process improvement with a reduction of the employee effort. Additionally, the vertical setup of the plant uses up much less space than in conventional plants. A better polishing result is achieved by the new holder of the stents.

The unprocessed stents are charged into a change magazine on the first level. On the second level, the stents are discharged in an electro polishing bath that can be taken out towards the front.

The third level is a device for automatic change of the contacting. On the fourth level, there is the polishing bath. The plant as such is closed and serves as collection tray at the same time.

BENEFITS

The process can be freely programmed in the following parameters:

- Current
- Voltage
- Ampere seconds
- Time and pulse duration
- Temperature
- Motion and circulation.
- The electrode distances can be adjusted to the process. This takes place in the master-slave procedure. The steps are entered freely in the programme and the machine control performs the steps reproducibly independently. The PC serves process control and recording.



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