Powder feeder

The powder feeder is used for feeding materials for flash evaporation which enables deposition of alloys, mixtures and compounds with preserved stoichiometry.
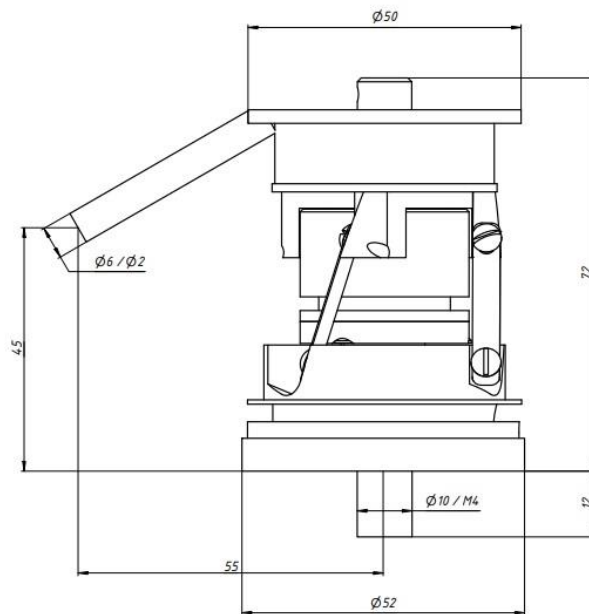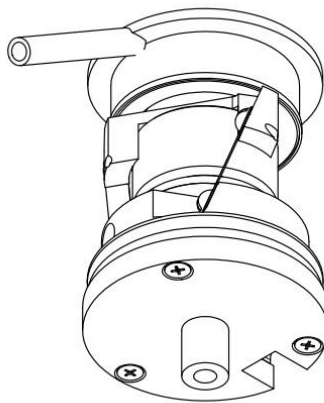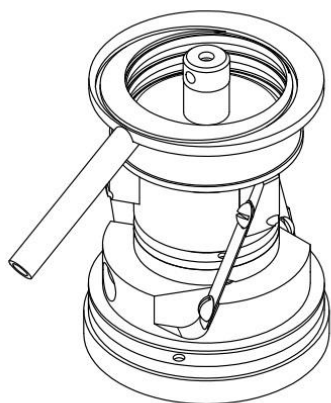The powder fed drops onto a very hot surface and each gravel evaporates instantly thus forming a coating with the same ratio of elements or compositions.

* The powder feeder is placed on the flange of the installation in a cooled protective flap

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Ø50

Ø6 / Ø2

Ø10 / M4

72

45

12

55

Ø52

![Beams & Plasmas - Laboratory of vacuum technologies]

Powder feeder power source

The powder feeder LVT+ comes with a special power source that enables to adjust and regulate properly feeding rate.

It is controlled manually from the front panel, or remotely via the RS-485 interface Modbus RTU protocol.

Parameter	Value
Supply voltage, V	220
Output frequency, Hz	0..100
Data transfer protocol	ModBus RTU
Interface	RS-485
Data transfer rate, bits	9600, 19200, 38400, 57600

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