

IOM

Leibniz-Institut für Oberflächenmodifizierung e. V.

[REDACTED]
Permoserstr. 15
04318 Leipzig
GERMANY

Date: Sep 14, 2020

Offer Design, modeling, construction, and delivery of a particle accelerator

Preamble

IOM and JHI collaborate on the setup and construction of a particle source for surface science and surface engineering, i.e. surface film generation. It will be a modular component of a particle accelerator at IOM in Leipzig. After a successful construction (JHI) of an electrospray source that generates highly charged ice particles, the next stage will be the design, modeling and construction of its own accelerator for these particles.

JHI will perform/deliver the following tasks:

- Design of charged particle accelerator
- Drawing a 3-D accelerator model
- Design of vacuum part of apparatus
- Design of electronic part of apparatus
- Modeling of ion trajectories
- Report
- Assembly and delivery of (assembled) hardware, test of equipment in Leipzig

Before hardware and parts are assembled (see preliminary CAD plan in the appendix to this offer), the hardware pieces (to be assembled) will be delivered by IOM at additional costs.

The work will be performed during Sep.-Dec. 2020 and the device will be delivered in December 2020 at the latest (delivery time).

Total: 55 000.-EUR

Conditions/terms of payment: The price does include overhead and labor of JHI, but not hardware to be delivered by IOM and no VAT. The costs have to be paid in advance (80%), i.e., in October of 2020, the rest after the delivery. The offer is valid until Oct 30, 2020.

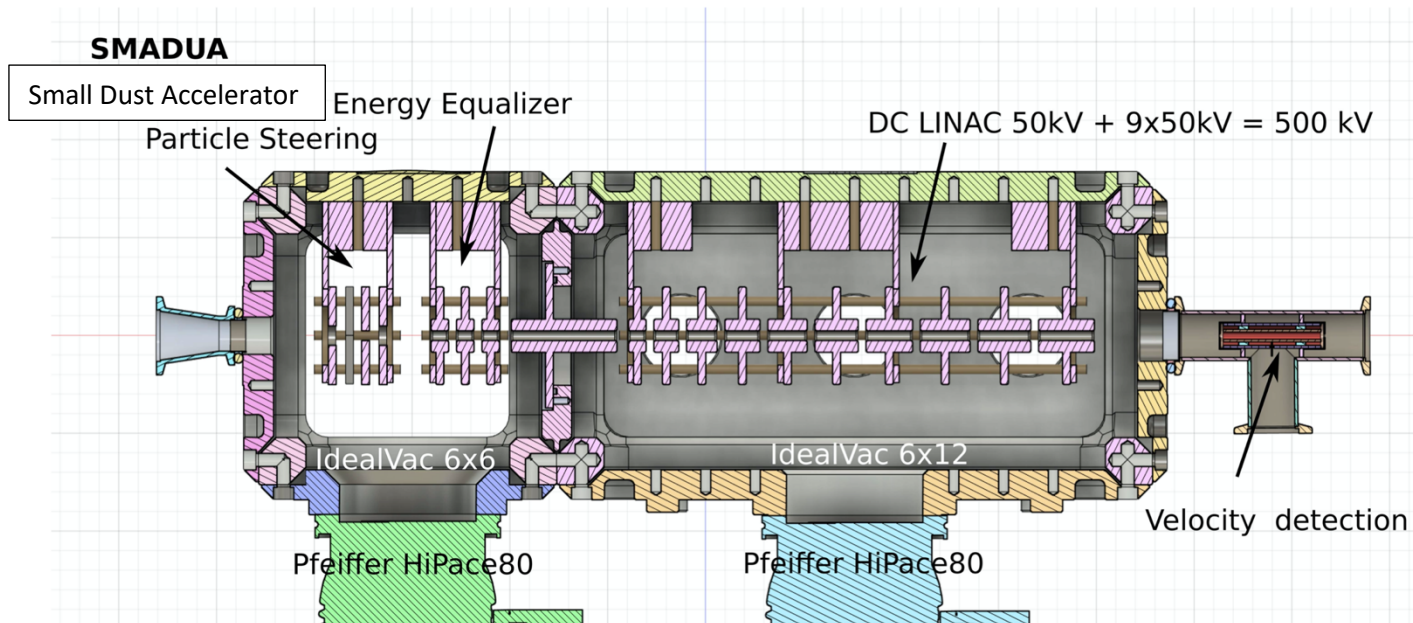
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Appendix

Preliminary CAD plan of Small Dust Accelerator



Electrodes: Stainless Steel
Isolators, holders, screws, etc: PEEK

