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# Precision metal coating of small surfaces, offered services for revenue

## proposed project

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## General idea

The idea is to develop a few techniques to coat very small surfaces (maximum a few mm<sup>3</sup>), to build the instrument, and to use them for our production but also to offer coating services in exchange of revenue.

One technique is the wet silver coating. [Document describing this technique.](#)

The other technique is metal evaporation. [Document describing this technique.](#)

## Incentives

All members will be eligible to provide this service. In fact, the process and the layout of the device will be public, but in order to acquire the know how you need to be part of the community.

All revenues generated from these services will respect our value sharing principles. Those who contribute to the development of this process will be rewarded by those who are using the method and the device based on SENSORICA's value sharing scheme.

## History

[Tibi](#) had this idea during our [experiments on wet silver deposition on glass and PMMA fiber in Montreal, in at the end of August 2011](#).

## Market prices for coating small parts

- **From [Intlvac](#):** fiber metalization (creating a dielectric mirror on the tip) procedure costs around \$1000 independently of the size of the batch. First time it may be a bit more, another time a bit less. There're some technical things that must be specified before coating, so if we decide to go with them, we will have to call them again. Person responsible: Daniel Mitchel; [1-800-959-5517](tel:1-800-959-5517). (This survey was performed by [Ivan Pavlov](#))
- **From [Evaporated Coatings Inc](#):** sent email waiting for answers (This survey was performed by [Tibi](#))