



[www.safina.cz](http://www.safina.cz)

## About us

SAFINA, a.s. is a company with a comprehensive manufacturing program of processing and production of precious and non ferrous metal products including their recycling. SAFINA has a long-lasting tradition which dates back to 1860. Since 1992, SAFINA, a.s. has been a private company and has maintained its dominant position primarily on the European market. The company constantly focuses on the improvement of its existing manufacturing processes, as well as on the development of new production programs and technological advances.

## Targets



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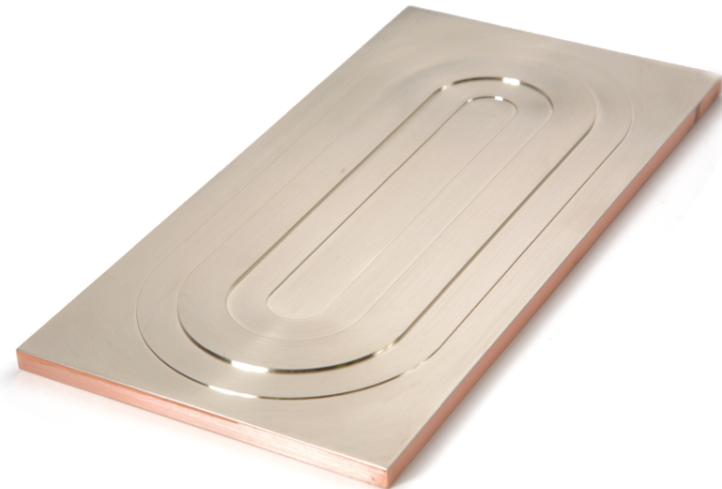
SAFINA, a.s.offers its customers the technology of silver sputtering targets for flat glass production, memory media targets, decorative layer production targets, surface finishing tools, and more. Targets are made of following precious metals and their alloys eg. Ag, Au, Pt, Pd, Zn, Al, Cu, Ti. We also offer a refilling service of already deduced targets, which provides a cost saving to our customers.

### Planar Targets

State of the art processing equipment and technological expertise enables SAFINA, a. s. to produce a wide variety target designs and geometries. Master technicians with years of experience produce these targets with pride and precision.



Special enhanced designs for high utilization and targets for a variety of sputtering equipment may be supplied upon request. Multi-Piece targets with profiled SST clamps offering WIP reduction and monolithic construction. Thickness up to 140 mm. Possibility of indium/nanofoil bonding



### Rotatable Targets

Used extensively in large area coatings, provide longer life and more sputter-able mass due to its large rotating sputter surface area. SAFINA, a. s. pioneered the development of cold sprayed silver rotatable targets. The targets are now in use at leading edge large area coaters. Ag Rotatable Targets offer as low as 20 micron grain size, high density, porosity below 1%, <50 ppm O<sub>2</sub> content, 4N purity. Up to 4000 mm lenght and 160 mm diameter of backing tube. Target refill and respray capability, and design flexibility.



### Decorative coatings

We can offer many types of rotatable and planar sputtering targets as well as evaporation materials for decorative coatings. Applying the optimization of target geometry, high oxidation and wear resistance, superior uniformity and coating quality can be provided.

