

Vacuum ▶ PVD Thin films ▶ Leak testing ▶ Plasma



# Decorative thin films

**DECORA 760**



## Fine decorative Thin Films for 3-dimensional parts

PVD Thin Films Deposition is extremely well suited to the treatment of flat or nearly flat surfaces such as portions of sphere for example, if the radius isn't too low.

This constraint has led us to think to another way of treatment to offer our customers **the ability to process three-dimensional parts**. From this brainstorming DECORA760 is born. Originally developed for watch industry it has been successfully implemented in other application fields such as medical biocompatibility improvement for instance.

Deposition sources are installed in a face to face arrangement in order to get uniform coating on 3D complex parts.

The working principle is based on the fact that parts are mounted onto a rotating carousel located between the targets. The basic configuration deals with two pairs of rectangular cathodes. Etching or glow discharge, heating, and others additional functions could be implemented at your convenience.



### Mean features

Vacuum chamber diameter :	760 mm
Height :	660 mm
Volume :	300 liters
Ultimate vacuum (turbomolecular configuration) :	$5.10^{-7}$ mbar <sup>[1]</sup>
Ultimate vacuum (cryogenic configuration) :	$5.10^{-7}$ mbar <sup>[1]</sup>
Source :	2 x 2 cathodes 381 x 127 mm
Surface activation :	RF etch on carousel
Through the wall installation :	Yes
Fully automatic system controller :	- Process management - Traceability

<sup>[1]</sup> Ces valeurs sont des valeurs mesurées sur des équipements réalisés et sont données à titre indicatif car sont tributaires de la configuration finale de chaque équipement.

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