



HADRONIC PHYSICS DEPARTMENT (HPD)

VACUUM TECHNOLOGIES

DESCRIPTION

TTT-HPD from IFIN-HH, ensures technological transfer of innovative products, procedures and services in the field of vacuum technique and vacuum technologies.

APPLICATION DOMAINS

- 1 ▶ Designing of industrial and laboratory systems for different vacuum technology such as:** vacuum drying, vacuum polymerization, vacuum impregnation, vacuum casting, vacuum thermal treatments, vacuum thermo-formation, etc
- 2 ▶ Vacuum leak detection services for different types of technological chambers and industrial/laboratory plants such as:** vacuum chambers and complex facilities, gas storage tanks, nuclear equipments; etc.
- 3 ▶ Vacuum thin film deposition facilities**
- 4 ▶ Technologies for vacuum thin film coatings with:** decorative, anticorrosion, lubricant, wear resistant, properties, etc., based on 4 original patents granted by the Romanian Office for Inventions and Trademarks (OSIM).

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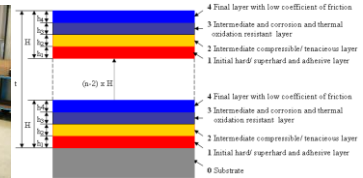
1.



2.



3.



4.

MAIN ADVANTAGES

Vacuum technologies are indispensable in research activities as well as in many industrial applications.

POTENTIAL CUSTOMERS OR COMMERCIAL APPLICATIONS

Research and industrial units that use in their activities vacuum technique and vacuum technologies, especially tribologic & anticorrosion coatings, etc.

KEYWORDS

Vacuum technique and vacuum technologies; lubricant, wear-resistant, anticorrosion, decorative coatings