About Vital Thin Film Materials (VTFM)

Vital Thin Film Materials (VTFM) is a part of the Vital Group, which focus on research, development, production, sales and recycling of Sputtering Targets and Evaporation Materials for Vacuum coating applications. Our products includes a wide range of high purity metals, complex metal alloys, precious metals as well as ceramics in shapes of targets, ingots, shots, tablets and powders for FPD, OLED, LED, photovoltaic, semiconductor and smart glass industries.

VTFM employs more than 300 employees at 3 manufacturing sites in Qingyuan CN, Hefei CN, and Singapore. Our R&D and Application Technology Team develop materials for todays and future technologies. To provide best in class service to our customer we have set up an international Sales network which covers China, Taiwan, Singapore, Japan, USA and Europe.

Sputtering targets

<table>
<thead>
<tr>
<th>Ceramic targets</th>
<th>ITO, AZO, CdS, CdTe, IGZO, InS, InSe, Nb₂O₅, TiO₂, ZnTe, ZnO</th>
</tr>
</thead>
<tbody>
<tr>
<td>Metal Targets</td>
<td>Al, Cu, Ge, In, Mo, Nb, Ni, Ta, Ti, W, and many alloys</td>
</tr>
<tr>
<td>Precious Metal Targets</td>
<td>Ag, Au, Pd, Pt, Ru</td>
</tr>
</tbody>
</table>

Evaporation Materials

<table>
<thead>
<tr>
<th>Oxides</th>
<th>Al₂O₃, CeO₂, HfO₂, ITO, MgO, Nb₂O₅, SiO₂, Ta₂O₅, Ti₂O₃, Ti₃O₅, ZrO, ZrO₂</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fluorides</td>
<td>BaF₂, CeF₃, DyF₃, LaF₃, MgF₂, YbF₃, YF₃</td>
</tr>
<tr>
<td>Sulfides</td>
<td>ZnS, MoS₂</td>
</tr>
<tr>
<td>Selenides</td>
<td>ZnSe</td>
</tr>
<tr>
<td>Metal Materials</td>
<td>Al, Cu, Ge, In, Ni, Si, Sn, Ta, Ti, W</td>
</tr>
<tr>
<td>Precious Metal Materials</td>
<td>Ag, Au, Pd, Pt, Ru</td>
</tr>
</tbody>
</table>

VTFM is a fully vertical integrated manufacturer and provides advanced recycling technology according to the highest industrial standards.

For our business expansion we are looking for talents in sales and application technology for Sputtering Targets and Evaporation Materials as well as for engineers in metallurgy or target manufacturing. Send your resume, if you want to be part of Vital Thin Film Materials success story. Mail to: Lixian.feng@vitalchem.com

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