Pearl® Micro Metal Powders for Additive Manufacturing

**PEARL® Micro metal powders are tailored for Additive Manufacturing technologies**

- Powderbed technologies
  - Laser Beam Melting
  - Selective Laser Melting
  - Selective Laser Sintering
  - Electron Beam Melting
  - Laser Metal Deposition, Laser Cladding

**Markets**

- Aerospace
- Energy, power generation
  - Land turbines
  - Nuclear
  - Oil & gas
- Automotive
- Tooling
- Mechanical components
- Medical

**State-of-the art gas-atomization processes**

- Vacuum Induction Melting (VIM)
- Gas atomization with Argon or Nitrogen
- Highly spherical powder morphology
- Fully controlled low oxygen and carbon levels
- Avoids satellites & internal porosities
- High cleanliness level
- High stability and reproducibility

**Product features and services**

- Standard & customized compositions
- Tailored particle size distribution
- Delivery in various batch sizes, suitable for production or R&D
- Packaging in plastic bottles or metallic containers
- Flexible service
### Standard Pearl® Micro Powders for Additive Manufacturing

<table>
<thead>
<tr>
<th>Nickel-base alloys</th>
<th>Steels</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pearl® Micro HX</td>
<td>Pearl® Micro 316L</td>
</tr>
<tr>
<td>Pearl® Micro Ni 99</td>
<td>Pearl® Micro 17-4PH</td>
</tr>
<tr>
<td>Pearl® Micro Ni 230</td>
<td>Pearl® Micro 420</td>
</tr>
<tr>
<td>Pearl® Micro Ni 247LC</td>
<td>High Speed Steels</td>
</tr>
<tr>
<td>Pearl® Micro Ni 263</td>
<td>Tool Steels</td>
</tr>
<tr>
<td>Pearl® Micro Ni 276</td>
<td>Specialty Steels</td>
</tr>
<tr>
<td>Pearl® Micro Ni 625</td>
<td></td>
</tr>
<tr>
<td>Pearl® Micro Ni 713LC</td>
<td></td>
</tr>
<tr>
<td>Pearl® Micro Ni 718</td>
<td>Cobalt-base alloys</td>
</tr>
<tr>
<td>Pearl® Micro Ni 720</td>
<td>Pearl® Micro CoCr (F75)</td>
</tr>
<tr>
<td>Pearl® Micro Ni 738LC</td>
<td>Pearl® Micro 188</td>
</tr>
</tbody>
</table>

*Pearl® is a registered trademark of Erasteel and is used under license by Aubert & Duval*

Other standard and customized chemical compositions available upon request

Contact us
powder@eramet-aubertduval.com
www.aubertduval.com