

Our Expertise

Market Segments

- Orthopedic (joint and spine)
- Dental
- Cardiovascular
- Veterinary

Capabilities

- Hydroxylapatite coating
- Titanium plasma spray coating
- Traditional bead coating
- Asymmetric coating
- Custom coating technologies
- Titanium and Co/Cr coating
- Resorbable blast media surface treatment
- Passivation per ASTM F-86
- Laser marking
- Polishing
- Heat treating
- Final clean & packaging

Special Services

- Staff metallurgist
- Validation specialist
- FDA consulting
- 510k submission
- Package design
- New coating development

ORCHID COATING

ORCHID COATING

Make your ideas a reality.

Contact us today.

Orchid Bio-Coat

21249 Bridge Street
Southfield, Michigan 48034
United States of America
PH: +1 (248) 352-4570

Orchid Coating

4600 East Shelby Drive
Memphis, Tennessee 38118
United States of America
PH: +1 (901) 433-1990

E-MAIL: sales@orchid-orthopedics.com
www.orchid-orthopedics.com

Implant
Coatings
& Surface
Treatments

Orchid
Coating

Partner with us

Unparalleled experience, market-driven solutions and technical innovations.

Orchid's coating divisions offer more than a quarter-century's worth of experience coating implants for customers in the medical device market. Our plasma spray coatings are best-in-class, our experience in heat-treating is unparalleled and our porous and irregular bead coatings have proven to meet tight tolerances and unusual expectations.

Through communication with our customers and suppliers, we will continue to develop value-added innovative technologies and services. Orchid can provide the total project partnership right from the start, and bring your products to market ahead of the curve.

If you want custom capabilities, rapid turnaround times, innovative technologies and an excellent track record, make Orchid your first and only stop.



Coatings & surface treatments

ORCHID COATING

Meeting the challenge of implant fixation.

Resorbable Blast Media (RBM)

A textured surface that will provide the benefit of increased roughness (surface area) without leaving any foreign entrapped materials.



Titanium Plasma Spray (TPS)

Plasma spray coating that creates interconnected porosity down to the substrate for titanium or Co/Cr implants.



Hydroxylapatite (HA)

Hydroxylapatite is the same mineral found in bone (60-70% of bone is mineral). Bone responds to it as an osteoconductive surface.



Spherical

Bead coating of various sizes that create a 3 dimensional porous structure that can be applied to either titanium or co/cr implants.



Asymmetric Coating

Irregular bead coating structure with the added features of an extremely rough surface and increased porosity.



Osseomatrix®

Highly porous titanium structure that can be manufactured as a stand alone product or used as a coating.

