

## Air Plasma Spray Titanium Coating





With different thickness and roughness levels, APS Ti coatings are suitable for several kinds of medical devices. Low roughness Ti coatings are typically used to coat dental implants and spinal components, while high roughness Ti coatings are used on joint components.

### Air Plasma Spray Titanium coating

Y371

#### Y367





## Excellent biocompatibility has been established for both THE coatings through in-vitro and in-vivo characterization <sup>1,2,3,4</sup>



# Y371 and Y367 Ti Coatings have enjoyed decades of successful clinical use associated with several different medical devices, all having the same essential requirement i.e. to be osseointegrated into host bone tissue.

- 1. In vitro assay performed by Prof. L. Visai, Pavia University, Italy
- 2. In vivo test and histology performed by A. Rebaudi, P. Trisi, BIOCRA Pescara Italy;
- 3. Proceedings eCM XIII 2012 In vivo evaluation of titanium macro-porous structures manufactured through an innovative powder metallurgy approach R. Ferro de Godoy, G.Blunn, M. Coathup, A.Goodship;
- Proceedings 9th World Biomaterial Congress 2012 In-vivo assessment of the ingrowth potential of engineered surface topographies produced by Fast Plasma Sintering
  A. Goodship, G. Blunn, E. Preve, L. Facchini, F. Bucciotti and P. Robotti;



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