

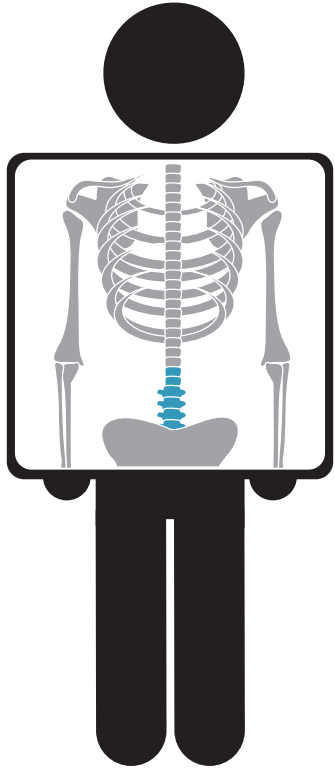


Osteopeek

by tecnalia

Porous and biofunctionalised PEEK that
IMPROVES OSSEOINTEGRATION.

OSTEOPEEK:



What is it?

OSTEOPEEK is a porous and biofunctionalised PEEK that improves implant osseointegration. Currently, PEEK is the most commonly used material for manufacture of intersomatic cages for solving the problems of degeneration of vertebral discs.

What for?

To be used in intersomatic cages and osteosynthesis devices such as interference screws.



Product Differentiation

The competitive advantage of OSTEOPEEK proprietary technology enables to process PEEK with porous and control surface activity for a product with improved bone integration.

- Chemically active surface.
- Tailor-made mechanical properties.
- Biocompatible.

Asset Situation

- Solution protected by 3 patent applications.
- The response of the material has been assessed *in vitro* (cytotoxicity, adhesion, proliferation and cell differentiation), with favourable responses observed from the porous PEEK and the biofunctionalised PEEK.
- The response of the material was assessed *in vivo* by implantation in sheep and the osseointegration potential of the porous PEEK is verified.

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IDEAS THAT
CREATE VALUE

Inspiring Business

"TECNALIA transforms Technology into GDP to improve People's quality of life by generating business opportunities for Companies"

ONE HUNDRED AND TEN



MILLION EUROS INCOME



FIRST SPANISH PRIVATE ORGANISATION
IN FINANCIAL RETURN, PROJECTS
APPROVED AND LED WITHIN
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1st



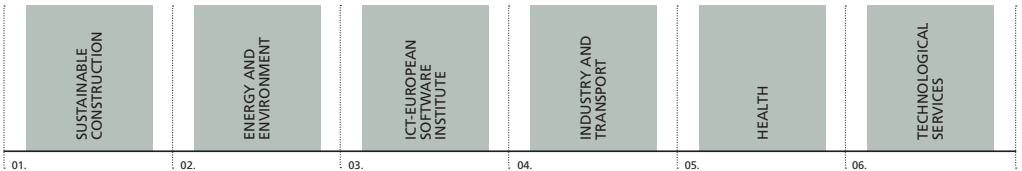
EXPERTS
ON STAFF

1,500



+ 4,000 CUSTOMERS
WITH 6 BUSINESS
DIVISIONS AT YOUR
SERVICE

+4,000



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