



Mistral Ortho



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mistralortho.com



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From the design to the
creation of custom-made
prostheses: a company of
360°

About us

MISTRALORTHO develops and manufactures medical devices in the orthopedic field. We are a young company, but with deep roots. We have created numerous standard and custom-made prosthetic implants for both the Italian and French market.

Thanks to the direct experience gained in the field, we have studied the technologies that best suit the prosthetics sector.



CUSTOM-MADE System

CUSTOM-MADE implants have many advantages over standard prostheses:

Perfect reproducibility of the joint

Best Tissue Balancing

Best Post-Operative Outcome

Reduced time (surgery and post-operatives)

Reducing costs

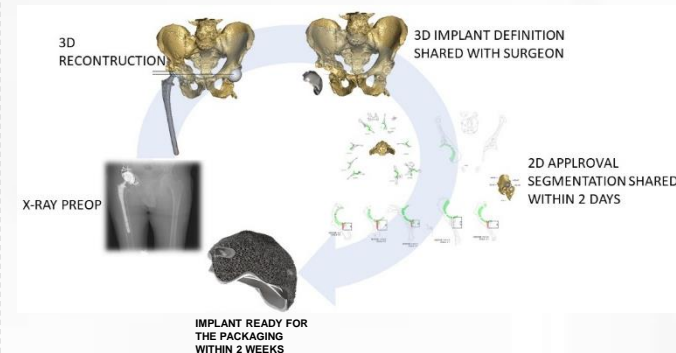
"Our uniqueness is the most precious gift we have"

Have the best in just a few simple steps

Having a CUSTOM-MADE orthopedic system involves a few simple steps:

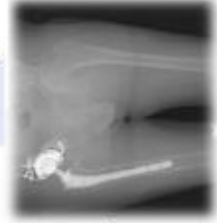
Images capturing

1. Converting to a 3D model
2. Surgery planning
3. Presentation and comparison with the specialist for the validation of the project
4. Creation of a CUSTOM-MADE system, able to guarantee the uniqueness of patients.
5. realization of the tailor-made device



3D
RECONSTRUCTION

3D IMPLANT DEFINITION
SHARED WITH SURGEON



X-RAY PREOP

2D APPROVAL
SEGMENTATION SHARED
WITHIN 2 DAYS



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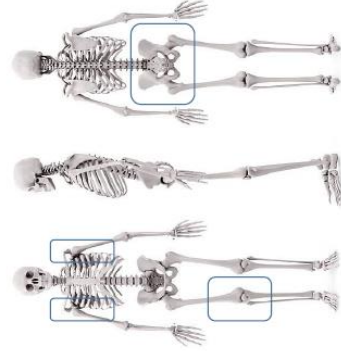


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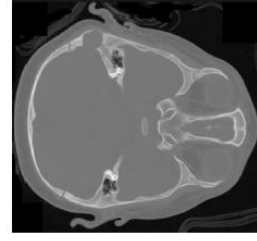
SCANNING PROTOCOL

This document presents the parameters and conditions to be met to obtain images of computed tomography in 3D bone reconstruction.

- PARAMETERS:
- LAYER THICKNESS: max 0,6mm
 - ACQUISITION PROCEDURE: SPIRAL
 - DIRECTION OF SCANNER: CRANIO-CAUDAL
 - Kv 120
 - mA 60
 - TIME ROTATION: 0,4 to 1 sec.
 - FOV: 20cm (maximum 26cm if necessary);
 - ACQUISITION MATRIX: 512*512
 - LAYER RANGE: overlap
 - RECONSTRUCTION FILTER: STANDARD or soft tissue



* increase scan scope as required



Example of TAC image:
The following image meets the quality requirements with strong bone contrasts.
In this image, well-defined limits are visible between bone and soft tissue/environment.

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