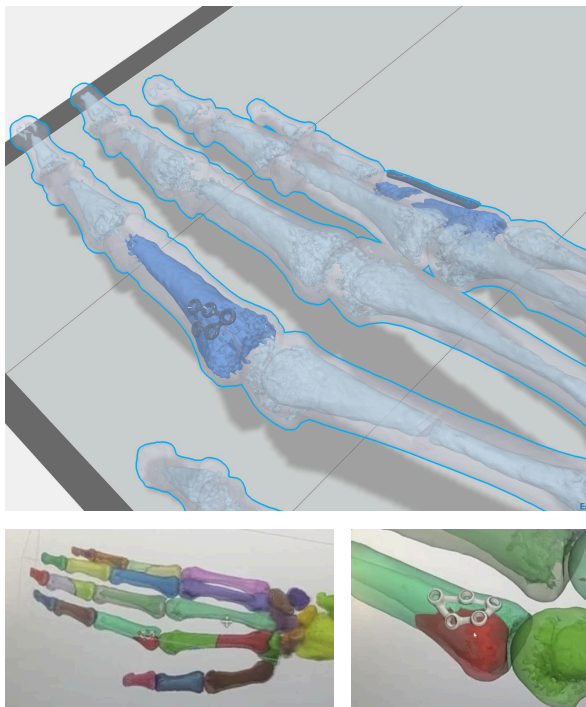Healthcare & Medical_

Medical Applications

Surgery planning Anatomical Models, Training Models, Customized Implats, and other Medical Devices

IAM3DHUB's AM Medical Platform

IAM3DHUB has founded in 2022 the **AM Medical Platform**, with more than **70 european medical related companies and organizations,** to boost all together

The IAM3DHUB has emerged as a pivotal player in the field of 3D printing within the medical industry. IAM3DHUB provides vital assistance to hospitals and medical companies in the adoption of 3D printing technologies, helping them unlock the full potential these technologies offer to medical professionals. Numerous Spanish and European hospitals have already harnessed the extensive technological capabilities and the wealth of experience of our technical teams to introduce 3D printing technologies into their organizational procedures and medical device development.

Among the most popular and demanded applications are various 3D anatomical models, training models, custom medical tools, and devices for surgeons, as well as custom implants for cranio-maxillofacial (CMF) surgeries and other general traumatology procedures.
To develop these applications, it is crucial to leverage the latest additive manufacturing (AM) technologies, specialized materials, and software. This is where Materialise's Mimics Innovation Suite comes into play, offering a comprehensive end-to-end solution to ensure the development of highly precise anatomical models for the creation of final 3D printed applications.

Technologies

3D Printer		Material	
RENISHAW apply innovation™	RenAM 500Q	RENISHAW apply innovation™	Titanium TiAl4V

Post-Processings		Software	
ΛＭ solutions A brand of the Kolar Group	Shoot peening	materialise innovators you can count on	Materialise Mimics Innovation Suite
DLyte GPΛINNOVΛ	DLyte - Dry Electropolishing		

Mimics Innovation Suite

Mimics Innovation Suite's toolbox allows you to import medical image data (DICOM) and segment the anatomy to create accurate 3D models. These models are the perfect starting point for advanced 3D analysis, planning, personalized device design, finite element meshing, and 3D printing.