

IPS Implants

Based on individual patient data, KLS Martin produces precise patient-specific implants, templates and guides as well as anatomical models for craniomaxillofacial surgery.



Building up on decades of experience we are able to present a huge variety of implants and guides available in different materials. These are manufactured using the latest technologies:

- Additive Manufacturing Titanium (AMTi)
- Titanium Mesh & Solid Titanium
- Polyether Ether Ketone (PEEK)
- Stereolithographic Anatomical Models (STL)
- Drill and Cutting Guides



Coming soon!

* *3D Virtual Treatment Planning of Orthognathic Surgery. A Step-by-Step Approach for Orthodontists and Surgeons. Springer.*

Gwen R.J. Swennen, Bruges

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Individual Patient Solutions

One Patient. One Solution.

Individual Patient Solutions

Each of your patients is as individual as you are – like the cases you see in your daily practice.

To ensure the best patient-orientated outcome there is often the necessity for individually planned implants, templates and guides in different materials.

With our Individual Patient Solutions product family we offer more than just patient-specific implants:

- **IPS CaseDesigner**
Intuitive software for planning and simulating surgical interventions based on individual patient data sets
- **IPS Gate**
Web-based platform guiding through the ordering, designing and shipping process in a safe and efficient manner
- **IPS Implant**
Patient-specific implants, templates and guides available in different materials manufactured with the latest technologies

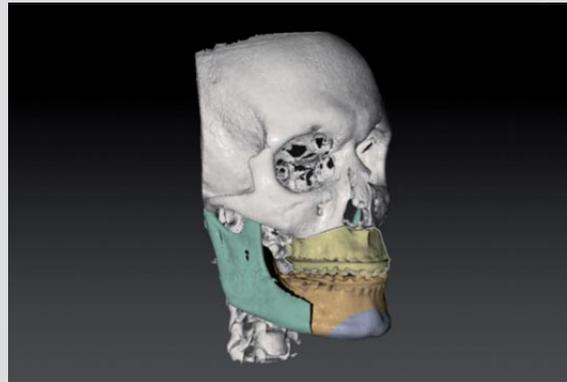
Our vision is to transfer the virtual design into the OR to improve outcomes.

With the IPS family KLS Martin decided to offer products for an overall solution bringing the virtual clinical workflow into surgical reality.

One Patient. One Solution.

IPS CaseDesigner

The new IPS CaseDesigner is a software for planning and simulating surgical interventions. Based on the patient's data set, the surgeon can transfer the individualized treatment concept from a daily experience through a 3D virtual approach towards the patient in the operating theatre.



Targeting the whole craniomaxillofacial complex, there will be a first module focusing on Orthognathic Surgery, developed in collaboration with Gwen R.J. Swennen, convincing with a state-of-the-art intuitiveness. The expected availability is autumn 2016.

Recommended computer specifications

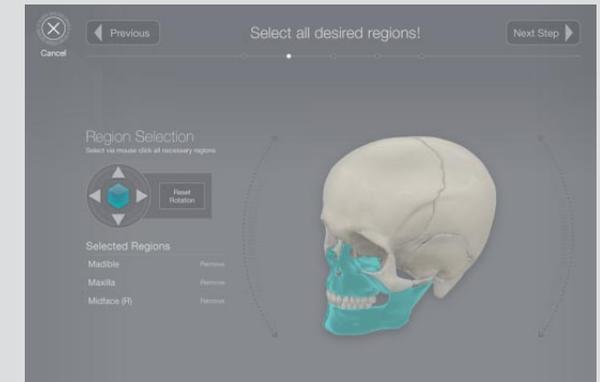
- Broadband internet connection
- Windows 10, 64 bit or Mac OS X Yosemite or higher
- Good graphics card (NVIDIA, AMD)
- HD Screen resolution
- Min. 8 GB RAM

"After 20 years of personal experience with 3D virtual planning, I think that with IPS CaseDesigner the next level of 3D virtual CMF planning software has been reached. I feel privileged to have been able to be a part of its development which will further improve patient care in the future."

*Gwen R.J. Swennen, Bruges, Belgium **

IPS Gate

This new web-based platform guides and accompanies surgeons through the whole process of requesting, designing and finalizing patient-specific implants in a safe and efficient way.



Dealing with patient-related data is a topic of high sensitivity. The new IPS Gate is not just a tool for uploading DICOM data sets:

It enables surgeons as well as engineers to use it as a communication platform, for data sets, case documentation, and provides status notifications to always stay updated on case planning, whether it be via the internet or mobile app on iOS and Android.