

BLU-IGS



NAVIGATION

for All Implants



BLU-IGS

ORTHOKEY

Orthokey is a young and dynamic company founded in 2005, with ten years of experience in the design of smart solutions for healthcare, based on the integration of clinicians' experiences and new technologies.

Real progress comes when an innovative solution is used in everyday clinical practice. In collaboration with the most prestigious international centers of orthopedic surgery, Orthokey provides high-level solutions for clinicians and companies. Our work is dedicated to those who seek excellence in orthopedics.

Our portfolio includes computer assisted surgical platforms for orthopedics, as well as digital instruments for diagnosis and outpatient rehabilitation assessment.

The efficacy of our solutions is demonstrated by the growing interest shown by our trading partners. Our mission is to improve the performance of our customers providing them customizable tools and taking care of them with an efficient aftersale service.

BLU-IGS is part of the family of computer assisted tools provided by ORTHOKEY.



Using navigation has never been so easy!

BLU-IGS is the first of the computer assisted tool designed at Orthokey.

Developed in cooperation with Rizzoli Institute in Italy, **BLU-IGS** allows to perform surgery keeping all the key phases under control, ensuring a perfect result.

In few steps it is possible to plan and control optimal resections, based on anatomy or considering also joint stability and range of motion.

Thanks to a dedicated approach to the navigates steps are minimized: The navigated procedure has been designed for a seamless integration with the conventional approach, reducing additional surgical times and without a significative time expense.

BLU-IGS features an ergonomic and effective user interface, designed to adapt to surgeon's needsings.

The system is available in two versions: Compact and Light.

Effective and essential interface

Our effort in designing effective solutions for computer aided surgery yields the best clinical results with less stress for the surgeon.

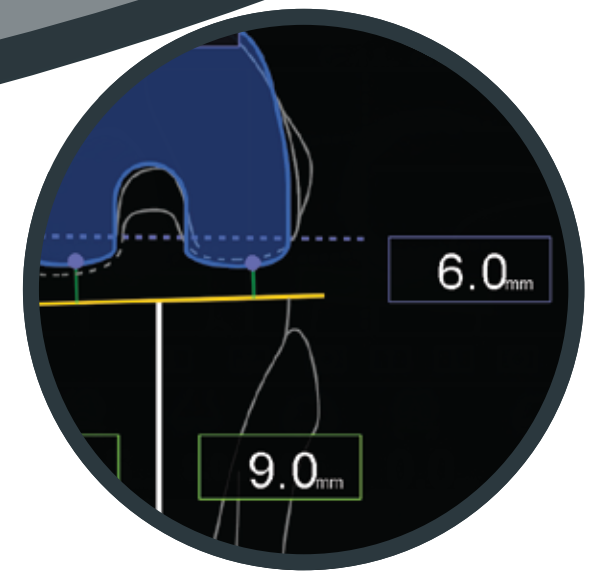
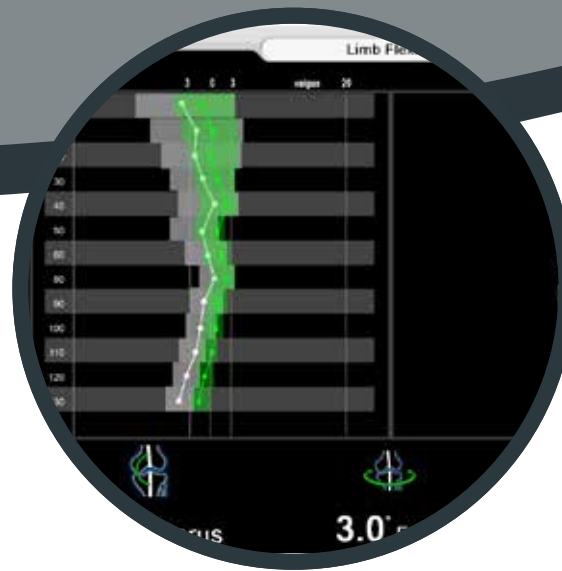
BLU-IGS achieved this goal following few simple rules:

- Reduced set of anatomical data required
- Effective interface. The right information at the right time.
- Flexible workflow
- Ergonomic Instruments

The evaluation of our navigation system has shown that improves not only the clinical result, with more accurate resections and more repeatable results, but is able provide comparable surgical time with respect to conventional surgery.

BLU-IGS is an effective system!

BLU-IGS has been designed and validated in collaboration with most prestigious clinical centers. It received CE approval in 2007 (Certification CE directive 93/42/CE and s.m.i. (2007/47/CE) class Im).



Product range:

BLU-IGS navigation system includes software for total knee arthroplasty, total hip arthroplasty, uni condylar knee, knee revision, high tibial osteotomy and knee kinematics.

Key features of BLU-IGS

- **Implant positioning based on bone morphology and soft tissue balance**
- **Optimized software interface**
- **Personalized workflow**
- **Optimized surgical tool compatible with all conventional surgical instruments**
- **No preoperative images required**
- **Suitable for all implant designs**
- **Possibility to evaluate joint kinematics and stability with dedicated module**

Design inputs



More confidence, more safety

Effective interface

It shows in an efficient way only the requested information
It navigates only the necessary steps

Optimal results



**Planning of the best surgical strategy, based on the desired final goal.
Evaluation of joint stability to define best implant components.**

Ergonomic



Enrich company portfolio

Reduced morbidity of the tools

Competitive cost

Surgical time comparable to conventional surgery

Possibility to operate with minimal skin incision

Integration with the conventional surgical tools

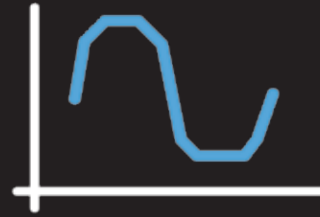
Reduced number of disposables

No Bone Morphing

No data to reconstruct patient model are required other than those used to plan the intervention. No morphing or image registration.

Orthokey system contains an anatomical database based on more than 100 real patients, to verify acquisition efficacy.

Kinematics



Klee

RTKA



Rho

Solutions provided by Orthokey cover major intervention of the lower limb prosthetics.

Mirò is the state of the art software for total knee surgery, **Hopper** introduces new concepts in total hip surgery with less morbidity and greater efficacy, **Monet** is an effective and fast software for Uni compartmental knee surgery, **Dali** is a dedicated software for Osteotomy and **Rho** is a valuable help during complex cases like Revision of total knee implants.

For the centres involved in high level research, **Klee** is a flexible research tool, that can be integrated with the other applications. Software of **BLU-IGS** platform includes the main procedures for lower-limb surgery.

All procedures can be adapted to implant model, in order to optimize the surgical procedure, but with the universal version it can be adapted to all implants..





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