

SMARTGUIDE®

the new generation
digital platform



USER FRIENDLY AND AFFORDABLE

iRES® SmartGuide® is the innovative and personalized solution for the entire clinical - dental team that maintains strong ties with the dentistry of the future. iRES® offers to the dentists a valid system that meets all the patient's requirements through adequate and personalized solutions, planned and achieved by the modern range of Cad Cam technologies and using certified and absolutely excellent materials. iRES® system guarantees the right solution for every need, from computer-assisted surgery with all the necessary required computer tools to all the components for individual prostheses with 5 axes machine tools that carry out complex, individualized geometries with perfect results and all through only one source.



SmartGuide®: User-friendly software, affordable, state of the art system for quick, smooth operating results—swift and non-traumatic surgery. iRES® offers a new surgery system using SmartGuide®. iRES® aims at furnishing the professional with an easy and intuitive system that provides both greater accuracy in positioning implants and substantially reduced operating time, thus at once rendering the surgery as un-traumatic as possible. Costs are truly contained. iRES® delivers an overall system that includes: diagnostic software and surgical/prosthetic planning, creation

of the surgical mask, and the surgical kit including all drills calibrated by diameter for all lengths. The system uses a single sleeve for all diameters. The software is user friendly. After loading the CAT and completion of the surgical and prosthetic planning phase, the file and the patient's impressions are sent to our drilling centre which, in 72 hours (not including delivery time), supplies a surgical mask and upon request the plastic model with the analogs already inserted, on which the prosthesis can be constructed.

MULTIPLE ADVANTAGES OF SMARTGUIDE®

SmartGuide® Software provides the best way to determine a safe and exact position for implants in the dental arches starting from a CAT joined to the optical scans of the patient's prosthetic data. Thus a thorough and accurate image of the patient's anatomy can be obtained and used for planning and treatment thanks to a simple, intuitive and interactive virtual environment. Simulations of any type of plan for skeletal, mucosal, dental or post-extraction procedures can be carried out.



Surgical masks are created by completely automatic processes using data export and modern, rapid prototype technology 3D printers, including the production of work models complete with copies of the implants inserted. These are indispensable for the creation of immediately usable prostheses. The surgical masks are heat sterilized thanks to the material with which they are constructed which withstands temperatures above 150° C.

The specifically milled surgical kit was especially designed to allow the surgeon to insert the implants into the correct space and on the correct directional axis as projected through planning with the Smartguide® software.



The ready-to-wear prosthesis is made at the iRES® Center Cad Cam and delivered directly in its packing which includes the content complete with a copy of the doctor's order. iRES® scrupulously observes specific, time-tested production protocols. The material used is 'chew-proof' and coated in the most up-to-date aesthetic finishings, certified and guaranteeing no micro movements of the prosthesis, its maintenance over time, and its aesthetic aspect. The 'ready to wear' prosthesis combined with the complete surgical procedure provides a valid alternative to traditional surgery, less invasive and more conducive to the insertion of implants and the application of the prosthesis in a onestep process. For the patient this means a completely pain-free procedure and delivery of an aesthetic denture in just one sitting. Upon doctor's request, iRES® can furnish the physician with the production of prosthetic components in diverse ranges of materials, thus offering a full service range of materials.