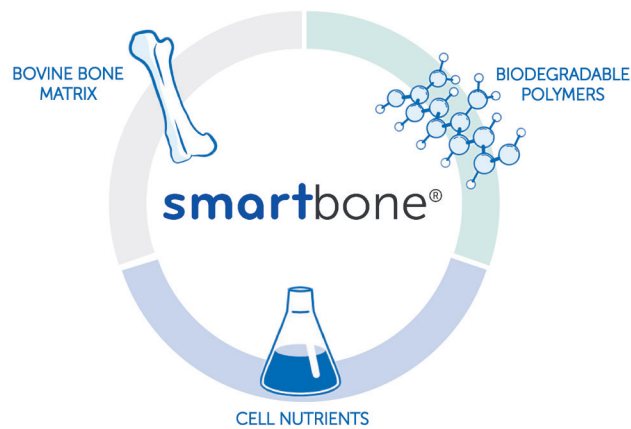


• **IBI S.A.**

SmartBone® The next frontier of bone regeneration



SmartBone® is an innovative composite biomaterial developed for bone regeneration in reconstructive surgery, available in blocks and microchips. It is produced by combining:

- Spongious bovine mineral matrix
- Resorbable biopolymers
- Cell nutrients



This hybrid composition guarantees exceptional biomechanical properties and promotes osteogenic process to obtain optimal and fast osteointegration. After grafting, SmartBone® is totally resorbed and replaced by patient's own bone once remodelling process is completed. SmartBone® blocks have impressive mechanical performances:

- Withstand heavy surgical manoeuvres;
- Allow very precision shaping with any type of surgical tools;
- Have high loading resistance;
- Offer high tenacity to screws fixation and have high volumetric stability.

Its 27% open-porous microstructure mimics the human bone ones and promotes the patient's cells to efficiently colonize and to quickly grow into SmartBone®, while its biopolymers degrade, providing a perfect integration and osteoconduction. SmartBone® microchips can be easily mixed with patient blood to obtain a shapable paste for a better site filling. SmartBone® on Demand™ is the custom-made bone grafts line, designed specifically for the needs of each patient, especially developed to manage complex cases. The perfect contact between the graft and the recipient site improves the integration: it allows a correct application of guided surgery techniques and lets to reduce surgery time, difficulty and risks.

www.ibi-sa.com // info@ibi-sa.com

• **IBI S.A.**

SmartBone® On Demand™

Custom-made graft for oral and maxillo-facial reconstructive surgery



SmartBone® On Demand™ is a service provided by Industrie Biomediche Insubri SA according to the 93/42/CEE Legislation regarding custom-made medical devices.

Thanks to the high performances, the high workability, the resistance and the shape retention of SmartBone®, IBI SA can produce custom-made bone grafts for patient's specific defects.

4 steps to get your custom-made graft:

- Take a CT Scan of the Patient concentrating on the defect.
- Send the CT Scan in a DICOM format to IBI-SA with a brief clinical description.

IBI's trained Engineers will get in contact with you, discuss the plan and You will receive a commercial offer for your plan.

- IBI's trained Engineers, in conformity with your indications and suggestions, will design the graft until you are satisfied from the design.
- 3 weeks later you will receive your graft ready for the surgical intervention. No sterilization or extra shaping required.

SmartBone® On Demand™ guarantees your success:

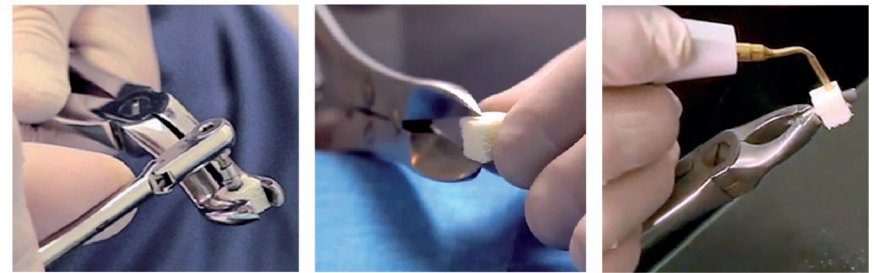
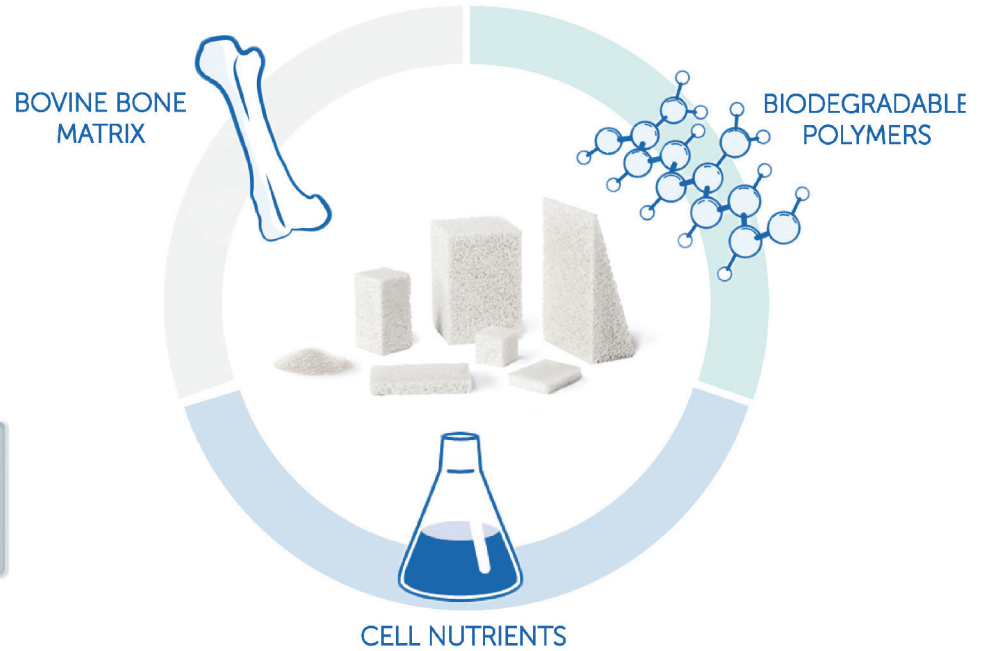
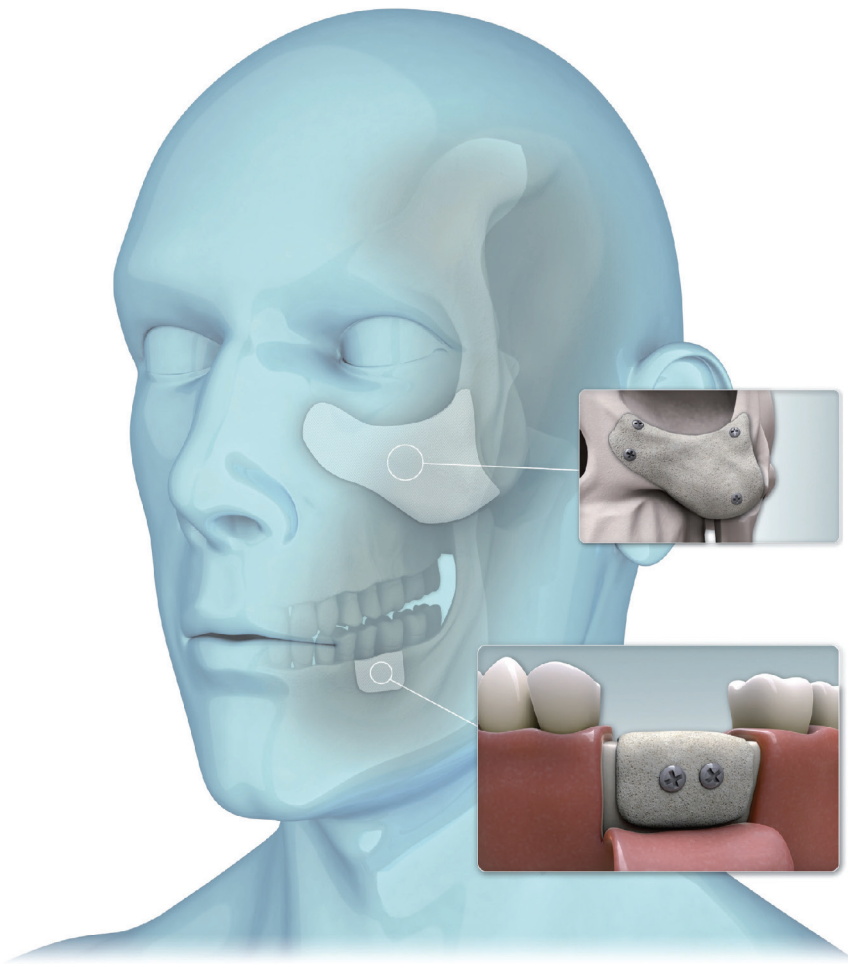
- Custom-made to the specific needs of each of your patients;
- Ensures a perfect contact between the graft and the recipient site for improved integration;
- Ensures a precise creation of the desired shape, specifically designed for every kind of surgery;
- Helps you to resolve complex situations;
- Saves your time during surgery;
- Reduces your patient's risks;
- Helps you to reduce surgical costs.



www.smartboneondemand.com // ondemand@ibi-sa.com

smartbone®

The next frontier of bone regeneration



smartbone® on demand™

