Smart Lift system

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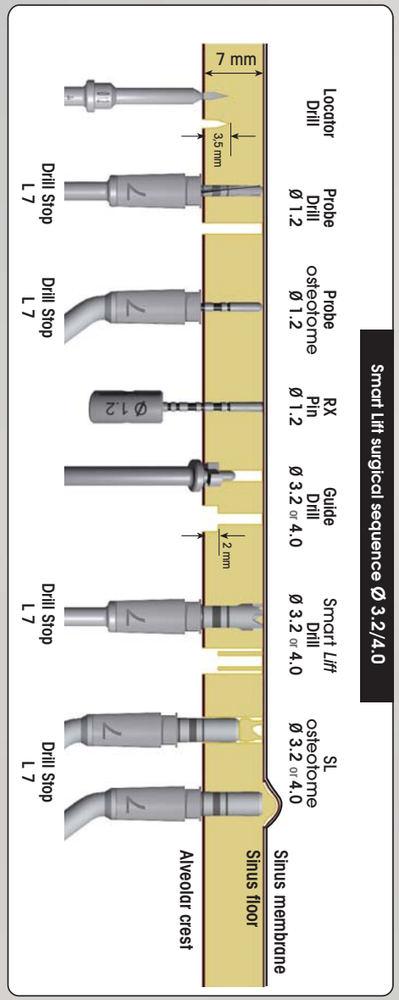

Smart Lift Kit Ref 4444	Ref	Description
	4343	Locator Drill
●	4336	Probe Drill ø 1.2
●	4345	Guide Drill ø 3.2
●	4346	Guide Drill ø 4.0
●	4351	Smart Lift Drill ø 3.2
●	4352	Smart Lift Drill ø 4.0
●	4347	Probe Osteotome ø 1.2
●	4348	Smart Lift Elevator ø 3.2
●	4349	Smart Lift Elevator ø 4.0
●	4354	Rx Pin ø 1.2
●	4378	Smart Lift Handle
●	4472	Drill Gripper
●	4429	Drill Stop L 4 mm
●	4430	Drill Stop L 5 mm
●	4431	Drill Stop L 6 mm
●	4432	Drill Stop L 7 mm
●	4433	Drill Stop L 8 mm
●	4434	Drill Stop L 9 mm
●	4435	Drill Stop L 10 mm
●	4436	Drill Stop L 11 mm
●	4471	Smart Lift Stop Tray
●	4442	Smart Lift Tray

Each code-marked component can be purchased separately from the whole set

For further information please visit www.metahosp.com

META® ADVANCED MEDICAL TECHNOLOGY

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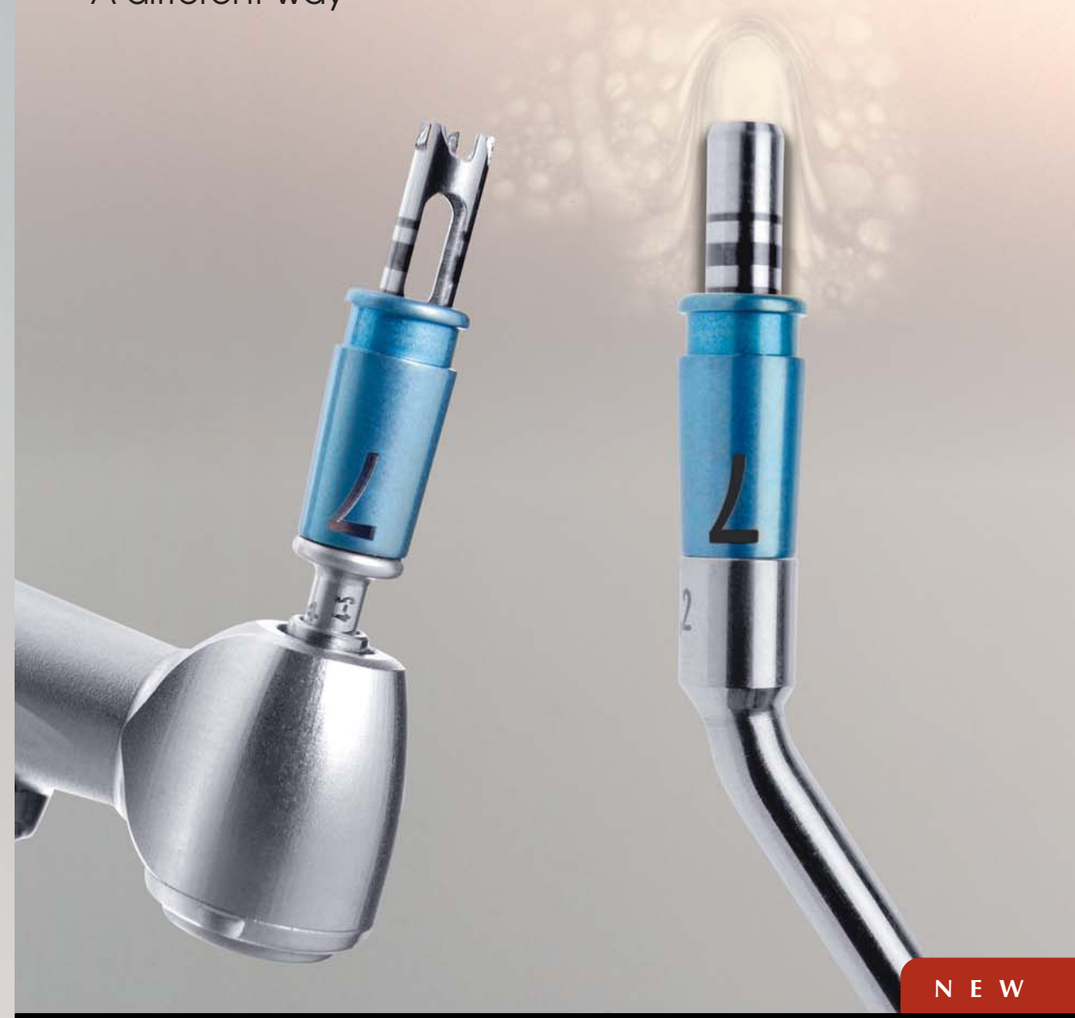
Smart Lift system

A different way



NEW

Minimally-invasive technique for maxillary sinus lift with crestal approach

META® ADVANCED MEDICAL TECHNOLOGY

Developed with L. Trombelli – P. Minenna

Smart *Lift* system

What is it

Smart Lift is a surgical kit for maxillary sinus lift with trans-crestal approach.

The Smart Lift technique has been designed to obtain, in the same implant site, relocation of an alveolar bone core created by a combined use of drills and manual elevators, controlled by multiple interchangeable stops with different heights.

How it works

Safe and easier management of drills and manual elevators makes it possible to guide the insertion of the trephine drill "Smart Lift Drill" so as to achieve full control over the direction and angle of the alveolar core, where the implant will be located.

The Smart Lift manual elevator then compresses the bone core and pushes it upwards, under Schneider's membrane. The procedure can be carried out with 2 different sequences, with different diameter (3.2 and 4.0 mm) depending on the overall space and volume of alveolar tissue available and depending also on the type of implant treatment plan.

What is it for

The Smart Lift reduces to the minimum the traumatic effect of the pneumatic force required to relocate the autologous spongy bone upwards toward the apex, thanks to a controlled osteotomy carried out in compliance with the surgical procedure sequence. This technique combines the building of an autologous bone graft that contributes to neo-osteogenesis required for the purpose of obtaining implant-bone contact, also in the apical area, with maximum safety of operation and no risk of damaging Schneider's membrane.

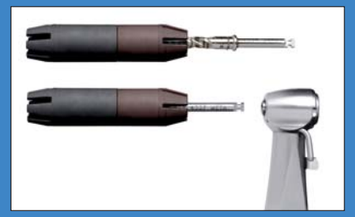
Maxillary sinus lift made easier

The increase in surgical success rates for sinus augmentation with crestal approach coincides with simplification of surgical procedures in an absolute controlled and minimally invasive way. The core principle of Smart Lift is relocation of maxillary floor in a safe way by lifting the alveolar bone tissue in order to fully exploit the total regeneration potential of the autologous bone. Expert surgeons Prof. L. Trombelli and Dr P. Minenna, taking advantage of this principle, have developed and adapted every little detail of the system components together with META.

Practical benefits

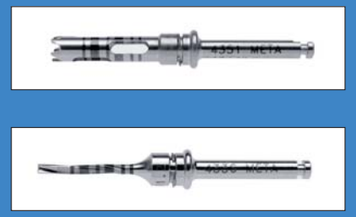
- Non-traumatic, mini-invasive technique
- Quick and easy to carry out
- Maximum operative control during the whole sequence of operations
- Any type of implant can be inserted, starting from Ø 3.75
- The surgical protocol is defined in advance, basing on the residual bone availability
- Fully predictable results
- All components are autoclavable

Smart Lift kit features



NO RISK OF CONTAMINATION DURING HANDLING

- Innovative "drill-gripperr" device to avoid touching the kit drills directly, both during positioning and for releasing them from the hand piece

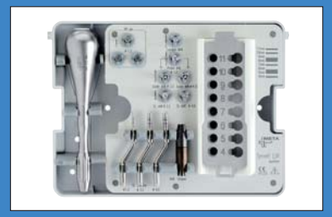


TOP QUALITY

- Laser marking to identify the depth and diameter
- Alternate thickness of the depth marks
- Surface treatment to avoid the mirror effect of steel

RISKS-FREE MANAGEMENT

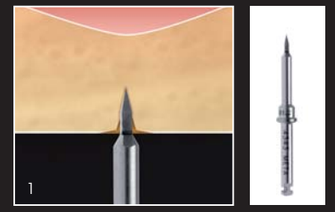
- 8 depth stops for each millimetre from 4 to 11
- Full NO TOUCH depth stops positioning and "parking" system
- Each stop can be used with each drill and elevator osteotome
- Use of Smart Lift drills and elevators is safe also in low-visibility working contexts



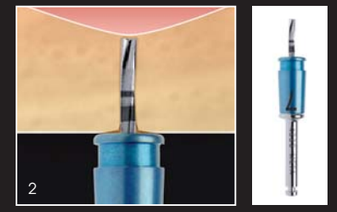
FOCUS ON TETAILS

- The tray is autoclavable and features pictograms to speed up and simplify identification of each instrument and its position in the procedure
- Pull-out drill holder tray allows users to better organise and arrange the space in the operatory area. The pull-out stop-holder can be removed and sterilised separately

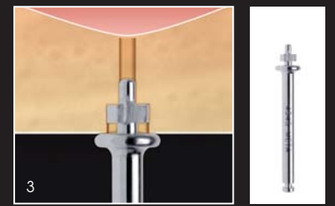
Surgical sequence



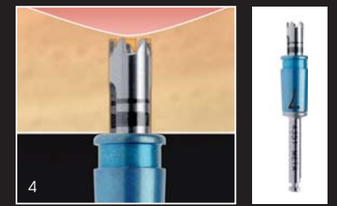
Locator Drill 1.2 Ø to identify the precise location of the implant and remove cortical bone tissue



The **Probe Drill** Ø 1.2 drill shall be used with a depth stop. Only the tip of the drill has a sharp cutting edge, in order to allow maximum cutting accuracy while moving towards the sinus floor. The non-cutting lateral edge reduces damages in case of accidental sinusal mucosae perforation

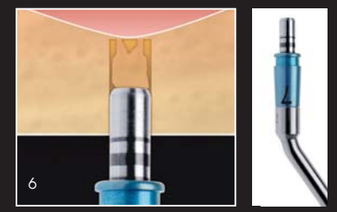


Guide Drill Ø 3.2 or 4.0: this drill creates a drill guide hole (fixed depth: 2 mm) to help insertion of the trephine drills to be used subsequently

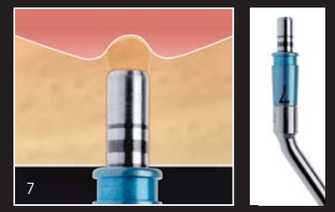


Smart Lift Drill trephine drill digs a core of bone tissue; with an apical-coronal stop at the sinus' cortex

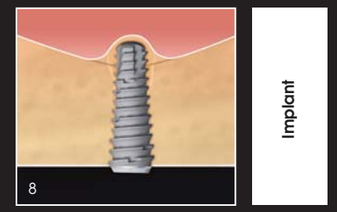
The bone core is left in place



The bone tissue core is compressed and pushed towards the sinus floor by means of **Smart Lift** osteotome elevators with stops



The compressed bone tissue is then pushed through the sinus floor by fracturing the sinus floor



It is also possible to insert bone substitutes before inserting the implant