# **Osteopore**®

# **Digital Surgical Dentistry System**

**Revolutionizing Alveolar Height Augmentation:** Osteopore's Same-Day Customized Bone Regeneration Approach



# Why Customize Your Osteomesh<sup>®</sup> for Alveolar Height Augmentation?

Traditionally, customizing a titanium mesh for alveolar height augmentation involves a lengthy process of 3D metal printing, requiring extended communication between the surgeon and the designer, and resulting in a delivery time of 6 – 9 weeks.

With Osteopore's Digital Surgical Dentistry (DSD) System, you now have the flexibility to customize your Osteomesh<sup>®</sup> chair-side during surgery with precise shaping and moulding, all within the same day as the patient's visit.

#### Streamline Surgical Procedures:

Same day treatment for patient, pre-moulding the Osteomesh® significantly reduce the operation time, benefiting both surgeons and patients.

#### Prioritize Soft Tissue Health:

Precise customization minimizes soft tissue disruption, ensuring **extra care for the soft tissue** by avoiding several trials of inserting the mesh.

#### Elevate Patient Comfort:

The Osteopore DSD System significantly reduces the duration of mouth opening, making the procedure more tolerable while **adding comfort to your patients**.

# Are you ready to take your surgical dentistry practice to the next level?

Our Digital Surgical Dentistry (DSD) System combines a comprehensive package, including our state-of-the-art **Osteomesh**<sup>®</sup>, water bath, and the precision 3D3 Mini 2 printer. We offer a complete solution designed to enhance your surgical procedures and patient outcomes.



#### **3D3 MINI 2 PRINTER:**

### Creating precise patient models at your fingertips

Engineered to perfection, this advanced printer is tailored for Alveolar Height Augmentation.

Equipped with impressive specifications, including:

- 4K Resolution: Achieve anatomical accuracy with 4K clarity.
- 50µm per Layer: Fine layers capture intricate features precisely.
- Stability: Double guide rail system ensures steady performance.
- 3 print platform sizes:
  - i) 140mm\*80mm
  - ii) 80mm\*80mm
- iii) 50mm\*50mm
- Print Height: Accommodates complex anatomies with a 90mm height.
- Light Cure Box: Built-in for streamlined post-print curing.
- Efficient Speed: Optimal balance between speed and accuracy.
- File Support: Works seamlessly with STL files.
- Multiple Connections: Connect via LAN, WiFi, or USB.
- Compact: Dimensions of 261mm(W) x 322mm(D) x 420mm(H)
- Weight: 13kg
- Warranty: 1-year warranty





#### **Enhancing Precision with Post Curing Station**

Our DSD System includes a post curing station that complements the 3D3 Mini 2 printer.

Specifications:

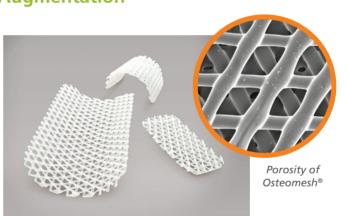
- **Timer:** Tailor the curing time with intervals of 1 minute, ranging from 5 to 60 minutes.
- Curing Method: Choose between water and air for your specific needs.
- Curing Wavelength: 405nm
- Curing Size: 180X100mm
- Dimensions: 220mm (L) X 220mm (W) X 325mm (H)
- Weight: 5.5kg



### PREPARATION OF OSTEOMESH®: Revolutionizing Alveolar Height Augmentation

At the heart of our system lies the Osteomesh® a semi-flexible, bioresorbable mesh engineered to provide exceptional dimensional retention and graft material support.

This innovative solution offers predictable shape and volume of regenerated bone tissue in guided bone regeneration, setting a new standard for surgical dentistry.



#### MOULDING OF OSTEOMESH® ON WATER BATH BEFORE USE



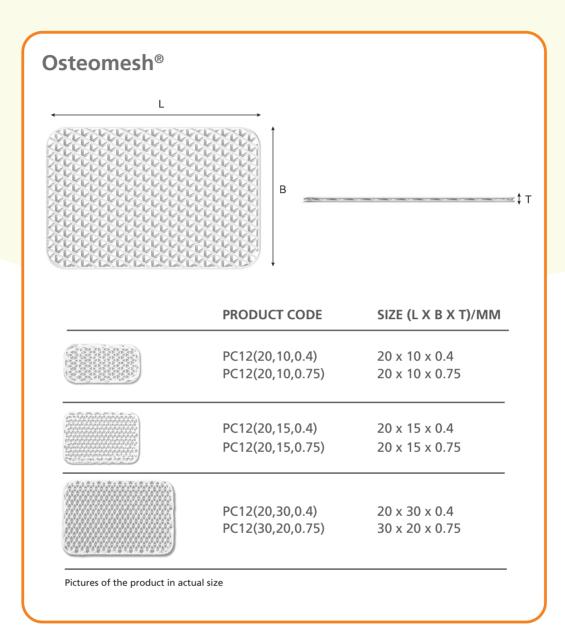
Our water bath ensures the **Osteomesh®** achieves the ideal consistency, guaranteeing optimal results in Alveolar Height Augmentation.

It is recommended to place a sterile beaker or a sterile polyethylene bag/sheet in the water bath machine before pouring the sterile saline solution.

## Customize Your Dental Scaffold for Alveolar Height Augmentation with Osteopore's Digital Surgical Dentistry (DSD) System now!



## **PRODUCT SPECIFICATIONS For Ordering**





Please note:

This product may not be approved yet in your country. Product indications may also vary from country to country. Please check with our local representatives for more information.

For professional use. CAUTION: See instructions for use for full prescribing information, including indications, contraindications, warnings, and precautions. Osteopore®, the stylized Osteopore® logo, Osteoplug® and Osteomesh® are registered trademarks of Osteopore International Pte Ltd. © 2024 Osteopore®. All rights reserved. MCN 04 015B Ref.



Empowering Natural Tissue Regeneration

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