

# Trabecular Metal™ Implant

The Discovery Of The BioBoost™ Effect



# Trabecular Metal Implant

## The BioBoost Effect

Discovery of the BioBoost Effect unveils the science behind the body's natural healing response to the Trabecular Metal Implant. The BioBoost Effect is a multiplication of naturally-occurring growth factors to deliver faster healing and earlier bone formation than traditional implants.<sup>1-8</sup>

The BioBoost Effect, only available on the Trabecular Metal Implant, is the result of a proprietary combination of **cancellous-like porosity** and **highly-biocompatible tantalum**.<sup>9-11</sup> With mounting evidence of this **clinical advantage** in Rapid Recovery, Risk Management, and Revision Therapy cases, take your practice to a next level with the Trabecular Metal Implant.



1

### Rapid Recovery

Accelerate healing with a 2-week final loading protocol.<sup>12-15</sup>

2

### Risk Management

Expand treatment in poor bone and impaired healing.<sup>16-26</sup>

3

### Revision Therapy

Leverage the healing advantage<sup>1-8</sup> in implant replacement.

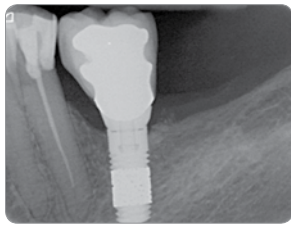


## Rapid Recovery

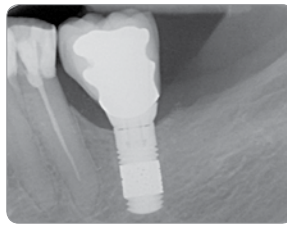
Accelerate healing with a 2-week final loading protocol.<sup>12-15</sup>

The BioBoost Effect accelerates healing and bone formation through the multiplication of naturally-occurring growth factors related to bone formation, wound healing, and vascularization.<sup>3,6-8</sup> Studies have documented the Trabecular Metal Implant in a 2-week final loading protocol with a 97% to 100% survival rate after up to five years follow up.<sup>12-14</sup>

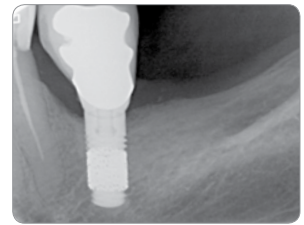
- Early bone healing and attachment through enhanced gene expression compared to traditional implants<sup>3,6</sup>
- Significantly higher up regulation of growth factors related to bone healing than traditional implants<sup>3,6</sup>
- 97.2% survival after five years, two-week final loading protocol<sup>12</sup>
- 100% survival after four years, two-week final loading protocol in extraction sites<sup>14</sup>



Six-month result.



Two-year result.



Five-year result.

Images courtesy of Dr. Markus Schlee, Forschein, German

## Rapid Recovery Meets Rapid Restoration

Complete the case in weeks, not months, and in as little as three appointments (see below), with the Trabecular Metal Implant and the BellaTek® Encode® Impression System. The BellaTek Encode Healing Abutment functions as a healing abutment impression coping and scan body that can be scanned or impressed and sent to your Encode Empowered Laboratory for fabrication of a titanium or zirconia BellaTek definitive abutment.

**Appointment 1** - Seat an Encode Healing Abutment at the time of Trabecular Metal Implant placement (Figs. 1a and 1b).

**Appointment 2** - Take a digital or traditional PVS impression of the Encode Healing Abutment at the time of suture removal. Send the impression to your Encode Empowered Laboratory for final abutment design and restoration fabrication (Fig. 2).

**Appointment 3** - Seat the final, patient-specific BellaTek Abutment and crown (Fig. 3).



Fig. 1a



Fig. 1b



Fig. 2



Fig. 3

Images courtesy of Dr. Suheil Boutros, Grand Blanc, Michigan



## Risk Management

Expand treatment in poor bone and impaired healing.<sup>16-26</sup>

Several studies have shown that Trabecular Metal Implants perform well in patients with risk factors such as diabetes, rheumatoid arthritis, prior oral infection, the effects of cancer treatment and poor bone quality.<sup>16-26</sup> The Trabecular Metal Implant may offer beneficial conditions for healthy implant integration in underserved patient populations.

- 100% survival after one year in postablative cancer patients<sup>21</sup>
- 97.2% survival after three years in patients with systemic disease<sup>22</sup>
- Faster bone healing around Trabecular Metal Implants than traditional implants in diabetic and osteopenic patients<sup>7,8</sup>



Postablative cancer patient after head and neck radiation and chemotherapy.



Trabecular Metal Implant Placement in very soft, porotic bone.



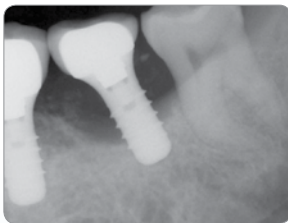
Successful restoration of function and aesthetics, four-year result.

Images courtesy of Dr. Suheil Boutros, Grand Blanc, Michigan

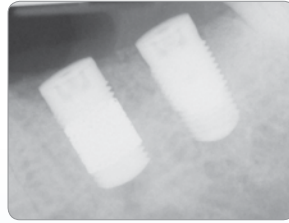
## Revision Therapy

Leverage the healing advantage in implant replacement.

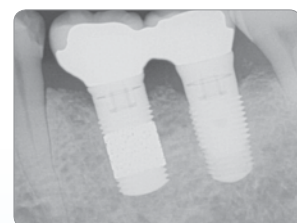
Patients with a previously failed implant are at a higher risk for another failure.<sup>27</sup> Therefore, it is important to treat the cause of the initial failure and select the replacement implant very carefully. Trabecular Metal Implants offer BioBoost Effect Technology for the healthy ingrowth of vascularized bone as well as the potential for enhanced bone healing compared to conventional titanium implants,<sup>1-8</sup> making them an appropriate choice in revision therapy.



Significant peri-implantitis resulted in removal of implants after two years in function.



Revision with a Trabecular Metal Implant (left) and TSV® Implant (right).



Six-year result.

Images courtesy of Dr. Michele Dimaira, Flourtown, Pennsylvania

# Ordering Information



## Trabecular Metal Dental Implant, MTX® Surface, Fully Textured with Microgrooves

Includes Fixture Mount/Transfer and Cover Screw.



Implant Diameter	Implant Platform	Internal Hex Connection	Implant Length			
			10 mmL	11.5 mmL	13 mmL	16 mmL
3.7 mmD	● 3.5 mmD	2.5 mmD	TMTB10	TMTB11	TMTB13	TMTB16
4.1 mmD	● 3.5 mmD	2.5 mmD	TMT4B10	TMT4B11	TMT4B13	•
4.7 mmD	● 4.5 mmD	2.5 mmD	TMTWB10	TMTWB11	TMTWB13	•
6.0 mmD	● 5.7 mmD	3.0 mmD	TMT6B10	TMT6B11	TMT6B13	•

## Trabecular Metal Dental Implants With 0.5 mm Machined Collar, MTX Surface And Microgrooves

Includes Fixture Mount/Transfer and Cover Screw.



Implant Diameter	Implant Platform	Internal Hex Connection	Implant Length			
			10 mmL	11.5 mmL	13 mmL	16 mmL
3.7 mmD	● 3.5 mmD	2.5 mmD	TMMB10	TMMB11	TMMB13	TMMB16
4.1 mmD	● 3.5 mmD	2.5 mmD	TMM4B10	TMM4B11	TMM4B13	•
4.7 mmD	● 4.5 mmD	2.5 mmD	TMMWB10	TMMWB11	TMMWB13	•
6.0 mmD	● 5.7 mmD	3.0 mmD	TMM6B10	TMM6B11	TMM6B13	•

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