

# Trabecular Metal™ Implant

BioBoost™ Effect: The Discovery



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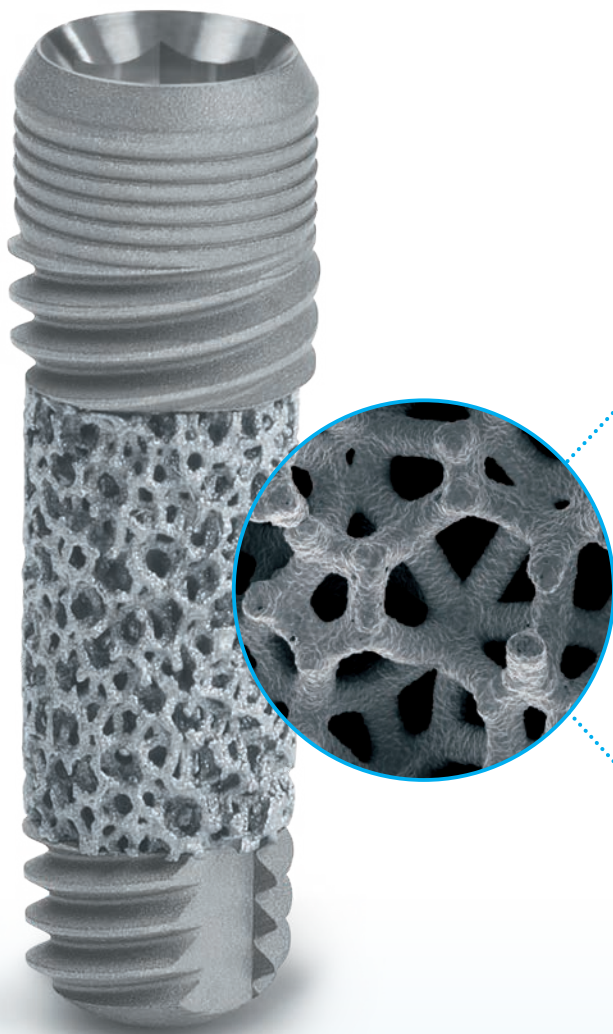
# The BioBoost Effect



## Scientifically Super...Natural

Discovery of the *BioBoost* Effect unveils the science behind the seemingly super natural 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, harness the healing power of the *BioBoost* Effect and take your practice to the next level.



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 in implant replacement.



## Rapid Recovery

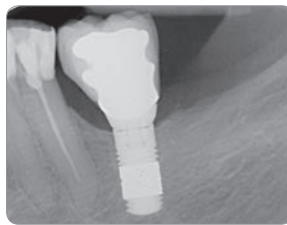
Accelerate healing with a 2-week final loading protocol.<sup>12-15</sup>

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> Several 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>

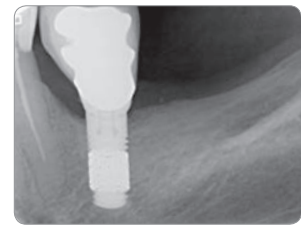
- Early bone healing and attachment through enhanced gene expression compared to traditional implants<sup>3,6</sup>
- Significantly higher up regulation of growth factors related to bone healing than traditional implants<sup>3,6</sup>
- 97.2% survival after five years, two-week final loading protocol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

## Rapid Recovery Meets Rapid Restoration

Complete the case in weeks, not months, and in as little as three appointments, 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

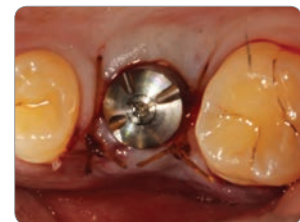


Fig. 1b

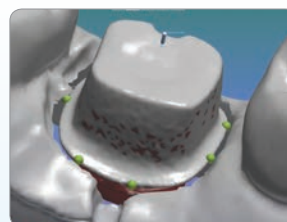


Fig. 2



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* Placement in very soft, porous bone.



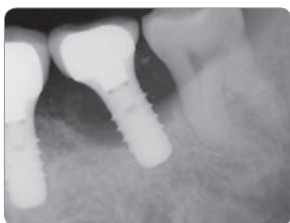
Successful restoration of function and aesthetics, four-year result.

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

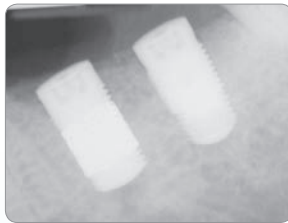
## Revision Therapy

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. Unlike conventional implants, *Trabecular Metal* Implants offer *BioBoost* 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 excellent 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<sup>®</sup> 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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