



Implant System

ET III Implant

- Faster Bone Healing
- Superior hydrophilic for enhanced osseointegration
- Highly Predictable Success Rates

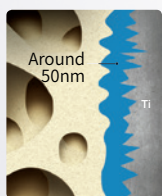
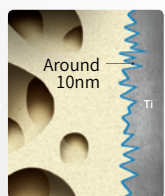
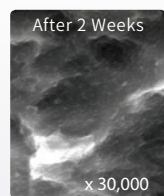
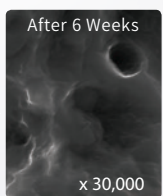
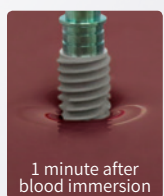
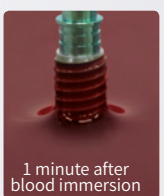
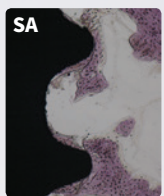
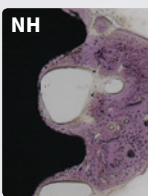
HIOSSEN
IMPLANT

ETIII NH Implant System

Faster Bone Healing. Improved Osseointegration

Our ET NH (Nano-Hydrophilic) implant features a hydrophilic SA (Sandblasted with Alumina and Acid-etched) surface combined with a low crystalline Nano-HA. This super hydrophilic NH surface ensures optimal treatment outcomes with every implant you place on any type of bone. Through its unique corkscrew thread design, the tapered implant body acquires superior initial stability. Renowned for its superior surface treatment, ET NH implant continues to achieve our goal of providing safe, effective and high quality implants to dentists across the globe.

Benefits Compared to SA Implants

 <p>Around 50nm</p>	 <p>Around 10nm</p>	 <p>After 2 Weeks</p>	 <p>After 6 Weeks</p>	 <p>1 minute after blood immersion</p>	 <p>1 minute after blood immersion</p>	 <p>SA</p>	 <p>NH</p>
<p>Thickness of coating layer 5,000:1</p>		<p>Coating layer is present</p>	<p>Coating layer is absorbed</p>	<p>Hydrophobic</p>	<p>Super Hydrophilic</p>		
<p>Ultra Thin Nano-Coating: Bioresorbable Apatite coating is 10 nanometers thick</p>		<p>Bioresorbable apatite: Bone forms directly to the SA surface as the apatite layer is resorbed during osseointegration</p>		<p>Super Hydrophilic: 12% increase in platelet adhesion (better initial osseointegration) and a 12% increase in cell differentiation (faster osseointegration)</p>		<p>Significant Improvement to BIC: The superhydrophilic bioresorbable apatite increases BIC (Bone to Implant Contact) by 39% compared to SA implants</p>	

Highly Predictable Success Rates

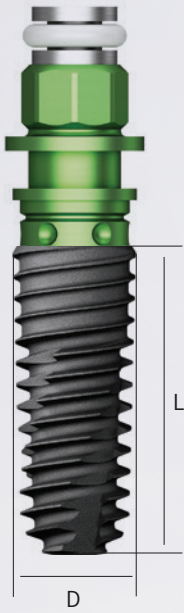
This prospective clinical study conducted in 2018 shows the ISQ (Implant Stability Quotient) measurement for four weeks after implant placement using Hiossen ETIII NH Implant. The following table shows the mean ISQ values of implants placed on the maxilla and mandible during the clinical study period. No implant failure or complication occurred.

ISQ values during the study period					
	Implant Placement	Week 1	Week 2	Week 3	Week 4
Maxilla	75.1±6.2	76.2±5.6	76.9±4.8	77.1±5.1	78.4±5.3
Mandible	79.5±6.4	80.5±6.3	80.7±6.4	81.7±5.2	82.6±4.8
Total	78.3±6.6	79.3±6.3	79.7±6.2	80.4±5.5	81.4±5.3

The high ISQ value of over 75 from implant placement indicates strong initial stability after implant placement. Throughout the osseointegration period of four weeks, the mean ISQ value improved with no stability drop. The super-hydrophilic surface improved wettability, significantly increasing blood adhesion. During the remodeling phase, the nano apatite coating was absorbed and the newly formed bone was integrated into the SA surface. The results of this study demonstrate that Hiossen ETIII NH Implant greatly improves the healing process and supports functional loading after approximately four weeks.

Yong-Jin Kim,, Marco Tallarico. (Evaluation of the implant stability quotient for early-loaded implants with a new hydrophilic surface. EDI Journal. 2018).

ETIII NH Implant



- Bone level with 11° Morse taper internal hex connection
- SA Surface coated with low crystalline nano-HA
- Taper body with corkscrew thread design that acquires superior initial stability
- Narrow threads that increases self-threading, path-correction and initial stability in soft bone
- Recommended implant placement torque: 40 Ncm or less
- Recommended implant size in posterior: Minimum Ø4.5mm

Narrow

- Optimized for narrow ridge
- Compatible with Mini platform components (Excluded: Cover screw, Mount, Lab analog)

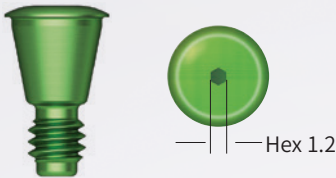
Ultra-wide

- Optimized for posterior extraction and immediate placement, and replacement of failed implant case
- Efficient apex design that strengthens initial stability with immediate placement after extraction

Order Code

NoMount Implant: Code starts with "C" e.g. CET3R4010B for 4.0x10 NH coated Non-mounted ETIII

Mount Implant: Code starts with "A" e.g. AET3R4010B for 4.0x10 NH coated Pre-mounted ETIII



For Ø3.2 implant, connection is 0.5mm shorter

Connection		Mini - Narrow	
Implant	L \ D	F 3.2 Hex 2.1	
	8.5	ET3M3008B	
	10	ET3M3010B	
	11.5	ET3M3011B	
	13	ET3M3013B	
	15	ET3M3015B	

Connection		Mini	
Implant	L \ D	F 3.5 Hex 2.1	
	8.5	ET3M3508B	
	10	ET3M3510B	
	11.5	ET3M3511B	
	13	ET3M3513B	
	15	ET3M3515B	

Connection		Regular	
Implant	L \ D	F 4.0 Hex 2.5	
	7	ET3R4007B	
	8.5	ET3R4008B	
	10	ET3R4010B	
	11.5	ET3R4011B	
	13	ET3R4013B	
	15	ET3R4015B	

Connection		Regular	
Implant	L \ D	F 4.5 Hex 2.5	
	7	ET3R4507B	
	8.5	ET3R4508B	
	10	ET3R4510B	
	11.5	ET3R4511B	
	13	ET3R4513B	
	15	ET3R4515B	

Connection		Regular	
Implant	L \ D	F 5.0 Hex 2.5	
	7	ET3R5007B	
	8.5	ET3R5008B	
	10	ET3R5010B	
	11.5	ET3R5011B	
	13	ET3R5013B	
	15	ET3R5015B	

Connection		Regular (Ultra-Wide)	
Implant	L \ D	F 6.0 Hex 2.5	
Short	6	ET3R6006B	
	7	ET3R6007B	
	8.5	ET3R6008B	
	10	ET3R6010B	
	11.5	ET3R6011B	
	13	ET3R6013B	

Connection		Regular (Ultra-Wide)	
Implant	L \ D	F 7.0 Hex 2.5	
Short	6	ET3R7006B	
	7	ET3R7007B	
	8.5	ET3R7008B	
	10	ET3R7010B	
	11.5	ET3R7011B	
	13	ET3R7013B	

HIOSSEN

IMPLANT

Smiles that last a lifetime






Please contact your local sales representative or visit our website today to learn more about Hiossen and its products.



All Hiossen Implants are processed and
Manufactured in the USA

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