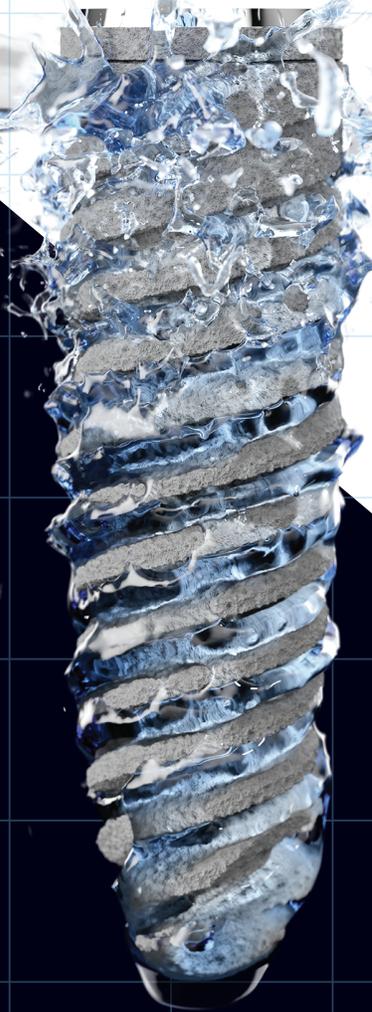


HYDROSSEED PACKAGE

MAXIMUM HYDROPHILICITY.
EXCELLENT INTEGRATION.



Superior Implant Technology

MAKE IMPLANTS WORK FOR YOU



60-second real-time activation



Simple operation



Improves osseointegration, healing, and success rates



Promotes surface cleanliness and sterilization

AB Dental's HydrOsseo package is an out-of-the-box solution that turns any AB Dental implant into **super-hydrophilic in just 60 seconds**, using **plasma technology** to enhance implant wettability. This leads to improved osseointegration, faster healing time, and better implant success rates, especially in compromised bone cases.

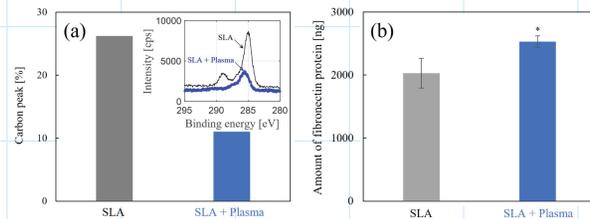
With HydrOsseo, you can take your dental practice to the next level and provide your patients with the best possible care, boosting your customer satisfaction, loyalty, and clinic reputation.



EFFECTS ON THE IMPLANT

HYDROPHILICITY

The surface of dental implants is typically hydrophobic at manufacture. The plasma treatment clears the implant surface of hydrocarbons, making it significantly more hydrophilic – with all the associated benefits.



What is plasma?

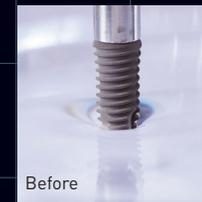
Plasma, the fourth state of matter, is a gas mixture consisting of neutral and electrically charged particles. Among other things, it is used to chemically modify the surface energy of materials.

CLEANLINESS

The HydrOsseo treatment removes contaminants and impurities from the implant surface – even for sterilized implants – creating a safer implant environment.

CLINICAL BENEFITS

- Increased bone-to-implant contact (BIC)
- Complete implant surface wettability and coverage
- Greater initial protein attachment and osteoblast proliferation than with SLA/SLA+UV
- Faster healing and osseointegration – with an increase in bone volume
- Helps improve success rates through enhanced osteogenic potential in compromised bone cases
- Does not alter surface morphology/chemistry or impair SLA+AE results
- Enhanced production of osteoblast differentiation markers – more than in implants that have been grit-blasted or acid-etched alone
- Increased paracrine signaling factors, including BMP2 and VEGF-A



Before
Low wettability



After
High wettability

Real-Time = Better Effect

Plasma effects degrade rapidly, meaning that pre-treated implants tend to lose hydrophilicity over time. AB Dental's HydrOsseo Package eliminates this problem by treating implants **immediately before implantation**, thus ensuring the strongest possible benefit.

EASY WORK FOR THE DENTIST

- Portable, cost-effective method for enhancing implant outcomes
- 60-second procedure – Press a button while you prep the patient
- Works with any AB Dental implant
- Does not damage grit-blasting and/or acid-etching surface treatments
- Potential benefit for treatments in areas with limited access to expensive implants

Package Includes

- Plasma activator (including power cable, adaptor, accessories, and user manual)
- AB Dental's implants (500/1000 units)

Specifications

Size (W x D x H)	170 x 345 x 266 mm
Weight	6 kg
Cycle Time	60 sec
Electricity	DC 24V, 3A
eV (electron density)	21eV

Medical device in US (Class I)



Electronic device in Europe, Korea, Japan, China, and EAC

