

MAKE YOUR OWN IMPLANTS SUPER HYDROPHILIC WITHIN 30 SECONDS

Active+ enables any dental implant manufacturer to expand its product range and start offering hydrophilic dental implants. It achieves this by activating the surface of any implant, making it hydrophilic seconds before implantation.

ACTIVE+: ONE-TOUCH SYSTEM FOR IMPLANT PLASMA ACTIVATION

Active+ makes super hydrophilic implants using its proprietary plasma surface activation technology. The Active+ System is made of two components: A compact desktop unit and a single-use capsule that contains the dental implant. The capsule arrives to the clinic ready for use: pre-packed, sealed, and sterilized at the factory. The Active+ is implant-independent and is compatible with any implant topography, surface, or forming techniques. Capsule manufacturing was designed to integrate into the workflow of existing manufacturing facilities.



THREE STEPS AND 30 SECONDS FOR SUPER TRANSFORMATION

The Active+ System is easy to use. It involves three steps:



1. Capsule insertion:
Insert the capsule into the desktop unit and close the lid.



2. Single click of a button to start:
A click on the button activates plasma surface treatment. The device has a single button, making it completely intuitive to operate.



3. Patient implantation:
After 30 seconds, the implant inside the capsule is super hydrophilic and ready for implantation.



NOVA
EXPANDING PLASMA

OVER 60% REDUCTION IN CARBON CONTENTS FOLLOWING PLASMA ACTIVATION

Modification of surface chemistry by plasma is proven to improve osseointegration as well as biomechanical fixation and bone formation. XPS tests of many types of implants show over 60% reduction in carbon contents and 35% increase in oxygen contents after plasma surface activation with Active+.



Before Activation



After Activation

ACTIVE+ BENEFITS

To the dental implant manufacturer, Active+ opens a wide range of possibilities:

- ▶ **Quick expansion of product offering** – Manufacturers boost customer retention by expanding their product offering. All with the advantages of a relatively short regulatory process, and a rapid time to market.
- ▶ **Ability to stay ahead of the competition** – Manufacturers have the opportunity to offer a differentiated product to dentists at an affordable price. Proven plasma implant surface activation technology assures effective osseointegration, resulting in improved treatment outcomes.
- ▶ **Eliminate the need for support** – One-button operation eliminates the need for training and support completely. Low device cost enables a quick replacement in case of a malfunction.
- ▶ **Opportunity to increase client satisfaction** – Plasma surface activation is simple, fail-safe, and fast. The device needs minimal desk space. Dentists will enjoy the chance to increase their income.



ABOUT

Nova Plasma was established in 2012 by experts in medical technology. The company is developing plasma activation technologies for a wide range of indications in dentistry and orthopedics.

PARTNERSHIP OPPORTUNITIES

To explore exciting partnership opportunities with Nova Plasma, please contact: Nova Plasma Ltd. Kibbutz Megiddo, D.N. Hevel Megiddo, 19230 Israel.

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