TECHNICAL DATA

Product:	TITANUS®E	TITANUS®S
Operating frequency:	27 ÷ 30 KHz	28 ÷ 30 KHz
Sterilization:	by autoclave up to 134 °C/2 bar	by autoclave up to 134 °C/2 bar
Weight:	45 g	45 g
Standard conformity:	ISO 22374, IEC 80601-2-60, CEI EN 60601-1	ISO 22374, IEC 80601-2-60, CEI EN 60601-1
Guarantee:	2 years	2 years

Product:	TITANUS®ELED	TITANUS®SLED
Operating frequency:	27 ÷ 30 KHz	28 ÷ 30 KHz
Sterilization:	by autoclave up to 134 °C/2 bar	by autoclave up to 134 °C/2 bar
Weight:	58 g	58 g
Standard conformity:	ISO 22374, IEC 80601-2-60, CEI EN 60601-1	ISO 22374, IEC 80601-2-60, CEI EN 60601-1
Guarantee:	2 years	2 years

Product:	USC6Ø
Input voltage:	24 Vac ± 10% , 32 Vdc ± 15%
Maximum consumption:	1 A, 24 VA
Operating frequency:	27 ÷ 32 KHz
Output power:	0,2 ÷ 9 W
Sizes:	60 x 54 x 30 mm
Standard conformity:	CEI EN 60601-1, CEI EN 60601-1-2
Guarantee:	2 years

Product:	AIRSON®
Operating frequency:	5 ÷ 7 KHz
Drive air pressure:	2.4 ÷ 3.0 bar (46.1 ÷ 58.1 PSI)
Maximum air consumption:	35 Nl/min
Sterilization:	by autoclave up to 134 °C/2 bar
Weight:	89 g
Standard conformity:	ISO 18397, ISO 9168
Guarantee:	1 year

Piezon® is a registered trademark of Electro Medical Systems SA, Switzerland
Newtron® is a registered trademark of Acteon SA, France

CE 0051 IQNet IQNet Registration N° IT-1224 CSQ ISO 13485

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SCALERS Cat. 1 03EN/2023

SCALERS

TKD
SIMPLIFYING DENTAL MOTION

- TITANUS®ELED
- TITANUS®SLED
- TITANUS®E
- TITANUS®S
- AIRSON®

TITANUS®ELED

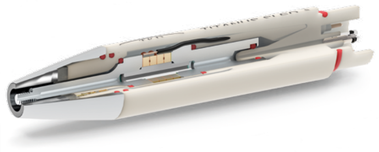
Ultrasonic scaler

Newly-designed piezo-electric scaler, with ergonomic design which allows a safe and precise grip. The scaler is equipped with integrated LED light that ensures natural and bright light on the operating area and is available with Piezon®LED - compatible connection.
Built according to the most modern technologies, the special titanium transducer produces high reliability and greater power efficiency, generating absolutely linear and longitudinal mechanical vibrations. Supplied ultrasonic inserts are fully compatible with the EMS ones. The scaler comes complete with three Inserts and the DYNO dynamometric wrench.

(Piezon® is a registered trademark of Electro Medical Systems SA)

EMS Piezon®LED - compatible connection

Supplied inserts are: AX, BX, PX



TITANUS®SLED

Ultrasonic scaler

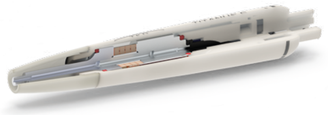
This new model has been optimized for use with Satelec-type inserts and is equipped with integrated LED light.

The scaler is available with Newtron®LED compatible connection. The scaler comes complete with three Inserts and the DYNO dynamometric wrench.

(Newtron® is a registered trademark of Acteon SA)

Satelec Newtron®LED - compatible connection

Supplied inserts are: AX-S, BX-S, PX-S



TITANUS®E

Ultrasonic scaler

The improved scaler now features higher reliability and greater power efficiency, allowing a powerful cavitation effect at the tip of the inserts.
Due to the piezo-electric technology and to the perfectly aligned titanium transducer, which has been optimized for use with EMS-type inserts, generated mechanical vibrations are absolutely linear and longitudinal to the handpiece axis.
The scaler is available in two different versions: with TKD special connection or with EMS Piezon®- compatible connection.
Supplied inserts are made in biocompatible high-quality surgical steel. The surface of the inserts is extremely fine thanks to the special polishing process which guarantees low wear and extended lifetime.
Inner thread is extremely precise so as to achieve perfect coupling and safeguard the titanium transducer.

EMS Piezon®- compatible connection

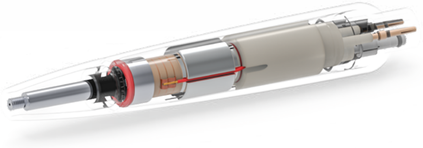
Supplied inserts are:

INSERT AX
EMS-compatible
Use: removal of supragingival tartar deposits on all tooth surfaces.

INSERT BX
EMS-compatible
Use: removal of supragingival tartar, coatings and stains on all tooth surfaces.

INSERT PX
EMS-compatible
Use: removal of subgingival tartar deposits on all tooth surfaces, including interproximal and sulcus areas.

TKD-compatible connection



TITANUS®S

Ultrasonic scaler

This new model has been optimized for use with Satelec- type inserts.
The scaler is available in two different versions: with TKD special connection or with Satelec Newtron®- compatible connection.

Satelec Newtron®- compatible connection

Supplied inserts are:

INSERT AX-S
Satelec-compatible
Use: removal of supragingival tartar deposits on all tooth surfaces.

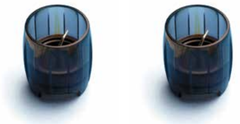
INSERT BX-S
Satelec-compatible
Use: removal of supragingival tartar, coatings and stains on all tooth surfaces.

INSERT PX-S
Satelec-compatible
Use: removal of subgingival tartar deposits on all tooth surfaces, including interproximal and sulcus areas.

DYNO

Dynamometric wrenches

The DYNO dynamometric wrench allows fast and precise locking of the inserts.



The DYNO dynamometric wrench allows safe handling and sterilization of the inserts.

STERIL

Rapid couplings for sterile irrigation

for TITANUS® E connection

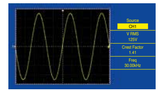
for EMS Piezon® connection

for Satelec Newtron® connection

USC60

Ultrasonic scaler control board

The improved USC60 ultrasounds generator delivers gentle sinusoidal output signal which, combined with the linear oscillating action and uniform surface smoothness of the inserts, allows to achieve high precision and patient comfort. Latest SMD technology ensures smooth activation and stable output power by automatically adjusting optimum operating frequency according to the load conditions.
Once wired to the USC0 electronic board, handpiece and insert are galvanically insulated, thus ensuring absolute patient's and dentist's safety.
The generator allows greater efficiency and optimum power control for all applications: Endodontics, Periodontics, Scaling, Restorative. There is no need for external switches, a single potentiometer or control voltage enables to cover all the clinical range.



The improved USC60 electronic board delivers stable output power.

AIRSON®

Air scaler

Improved air scaler for easy tartar removal.
The scaler can be used for all prophylaxis procedures using the supplied TKD's inserts or with the aid of the special KaVo/Komet inserts.
The scaler can be used on any unit, in place of the usual high-speed turbine, without requiring any additional adjustment.
Vibration power level can be adjusted by means of a larger rotating nut, making the prophylaxis more flexible and accurate.

Scaler is available with standard 4-hole connection or with rapid connection.

Lubrification by means of SO2000 service oil.

Supplied inserts are:

INSERT SPF05
Universal

INSERT SPF06
Sickle

INSERT SPF07
Perio