



ATS *Dental*
Advanced Technology Solutions



CATALOG 2020



ATS *Dental*
Advanced Technology Solutions

LINEA TAC

AMALGAMATOR



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Design and Manufacturing of Surgical Micromotor,
Endodontic Micromotors and Amalgamators
for Dentistry use



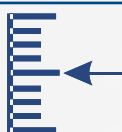
Switch to the...future

«Omega» Implant «Plus» Surgical Micromotor System

Easy to Use - Flexible - Safe - Powerful



Autoclavable Brushless Micromotor
Guaranteed up to 1000 cycles



Electronic High Precision Calibration
Ensures safe treatment
through accurate torque correction



40000 RPM



Torque: 80 Ncm

135°C



**LED
Lite**

Wide light area
Light without shadows
Power: 31000Lux

«DeLuxe» Multifunction Foot Control

Covered entirely with synthetic rubber: resistant to any leaking fluid. The reostatic effect is ensured by means of a specialized «pressure sensor». There are NO mechanical or moving parts.

Select
the Programs

Set the peristaltic
pump flow

Select
FWD/REV

Turn ON
Motor/Pump



Advanced Irrigation Pump

Easy set up of irrigation tubes -
Very ergonomic opening and
closing system - Better control of
irrigation flow with very constant
flow rate - Stable and quiet
operations - 3 Flow Rates
available: MIN - MED - MAX

CA
20:1

Fiber
Optic

INCLUDED

Made
in
Italy
2
YEAR
Warranty

THE NEW GENERATION....OF POWER AND CONTROL

I-TECH Lite

Surgical Micromotor System
Touch Screen - Safe - Powerful



Autoclavable Brushless Micromotor
Guaranteed up to 1000 cycles



40000 RPM



Torque: 80 Ncm

135°C
SSS



Electronic High Precision Calibration
Ensures safe treatment
trought accurate torque correction

**LED
Lite**

Wide light area
Light without shadows
Power: 31000Lux

«DeLuxe» Multifunction Foot Control

Covered entirely with syntetic rubber: resistant to any leaking fluid. The reostatic effect is ensured by means of a specialized «pressure sensor». There are NO mechanical or moving parts.

4.3" TOUCH SCREEN



Select the Programs

Set the peristaltic pump flow

Select FWD/REV

Turn ON Motor/Pump



Advanced Irrigation Pump

Easy set up of irrigation tubes - Very ergonomic opening and closing system - Better control of irrigation flow with very constant flow rate - Stable and quiet operations - 3 Flow Rates available: MIN - MED - MAX



INCLUDED



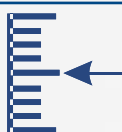
THE NEW GENERATION....OF POWER AND CONTROL

«Omega» Implant

Surgical Micromotor System
Easy to Use - Flexible - Safe - Powerful



Brushless Micromotor



Electronic High Precision Calibration
Ensures safe treatment
tought accurate torque correction



40000 RPM



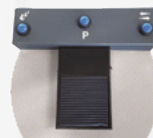
Torque: 80 Ncm

AVAILABLE WITH 3 DIFFERENT FOOT CONTROL:



«DeLuxe» Multifunction Foot Control

Programs switching - Activation and Deactivation of the coolant pump - Clockwise/ Anticlockwise rotation - ON/OFF function. The reostatic effect is ensured by means of a **specialized «pressure sensor»**. There are NO mechanical or moving parts.



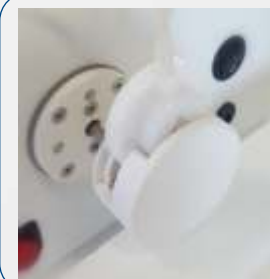
«Standard» Multifunction Foot Control

Programs switching - Activation and Deactivation of the coolant pump - Clockwise/ Anticlockwise rotation - ON/OFF function.



«Easy» Foot Control

ON/OFF button with
«ERC» (Electronic Reostatic Effect)



Advanced Irrigation Pump

Easy set up of irrigation tubes - Very ergonomic opening and closing system - Better control of irrigation flow with very constant flow rate - Stable and quiet operations - **3 Flow Rates available: MIN - MED - MAX**

CA
20:1

INCLUDED



«Implant» Accessories

IRRIGATION LINE ...Surgical irrigation tubing set, single-use, sterile.

Sterile, flexible, external tubing with integrated peristaltic pump, intended to provide a conduit to deliver a sterile irrigation solution from its source to the surgical intervention site.



STERILE EO



Internal or external mechanical irrigation Kit for surgical physiodispenser

CONF: 10 pz

CARRYING CASE



The ATS Carrying Case can accommodate all «Implant Units» components

THE NEW GENERATION....OF POWER AND CONTROL

«contra-angle» Handpiece 20:1



Code «201-ATS» **NON-OPTIC**



**Specially designed for preparation of the IMPLANT SITE
and IMPLANT INSERTION.**



BUILT TO LAST Durable and Reliable Handpiece



FULLY AUTOCLAVABLE 135°C



PUSH BUTTON ergonomic and comfortable



USER FRIENDLY perfectly balanced, Silent Operation

Contra-angle Handpiece CODE: 201-ATS	
Indications	Implantation Osteotomy
Transmission Ratio	20:1
Coupling System	ISO 3954/DIN 13940
External Irrigation	✓
Internal Irrigation	✓
Chuckling System	push-button
Lighting LED System	no
Rotary Instruments	for surgical burs shank $\varnothing 2.35$ mm
Max Drive Speed	40,000 min ⁻¹

**The best Ratio
QUALITY/PRICE**



THE NEW GENERATION....OF POWER AND CONTROL

«contra-angle» Handpiece 20:1



Code «201-ATSL» **OPTIC**



Specially designed for preparation of the IMPLANT SITE
and IMPLANT INSERTION.



BUILT TO LAST Durable and Reliable Handpiece



AUTOCLAVABLE Silent Operation



PUSH BUTTON ergonomic and comfortable



USER FRIENDLY perfectly balanced



Contra-angle Handpiece CODE: 201-ATSL	
Indications	Implantation Osteotomy
Transmission Ratio	20:1
Coupling System	ISO 3954/DIN 13940
External Irrigation	✓
Internal Irrigation	✓
Chucking System	push-button
Lighting LED System	✓
Rotary Instruments	for surgical burs shank $\varnothing 2.35$ mm
Max Drive Speed	40,000 min ⁻¹

The best Ratio
QUALITY/PRICE



THE NEW GENERATION....OF ENDO UNITS

HI TECH ENDO APEX

new **ENDOMOTOR** with integrated **APEX LOCATOR** in:

- «Reciprocating» F+R Function
- «Continuous Rotary mode» with «SAR»



OPEN TO ALL FILE SYSTEMS!

«RECIPROCATING»



- Specific setting available for all file systems
- Programmable angle from 10° to 360° in Forward and Reverse



«CONTINUOUS ROTARY»



- Automatic safety functions: Standard AutoReverse + «SAR»
- Saving up to 10 individual torque and speed settings



«APEX LOCATOR»



- Integrated length control or separate length determination
- Accurate Measurement. No Zero-Adjustment. Automatic Calibration

THE NEW GENERATION....OF ENDO UNITS

HI TECH ENDO APEX

RECIPROCATING MOVEMENT

RECIPROCATING MOVEMENT is based on the natural, manual file forward and reverse motion for more:

- **SIMPLICITY**
- **EFFICIENCY**
- **SAFETY**

ROTATING MOVEMENT

Keep all the benefit of the **ROTATING MOVEMENT** while ensuring a constant and regular motion.

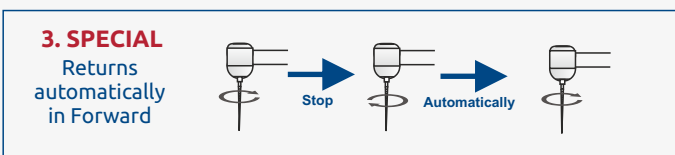
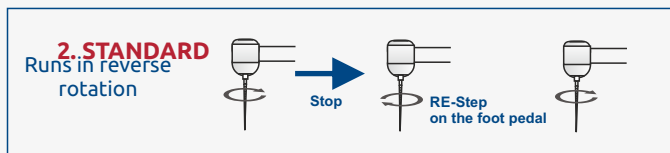
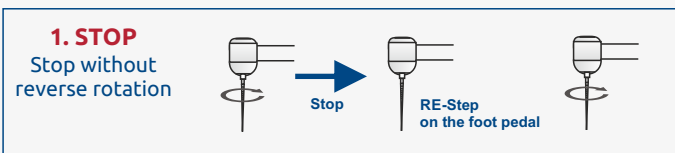
AUTO-REVERSE accuracy:

- **extremely short time of response when torque is reached**
- **a beeping tone warns you when the 75% of the pre-set torque is reached**

At about 75% of the pre-set torque, alarm activates

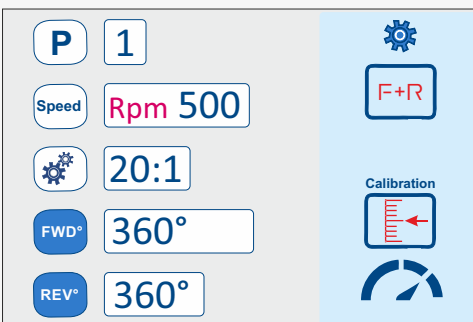


AUTO - REVERSE MODE

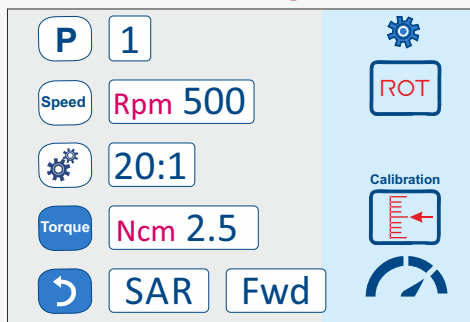


When the torque setting is reached, the file **auto reverses 0.5 sec.** then continues again in the cutting direction. «SAR» reduces file fatigue, as well as the possibility of file breakage. **Safely & efficiently clean & enlarge canals with «SAR» technology.**

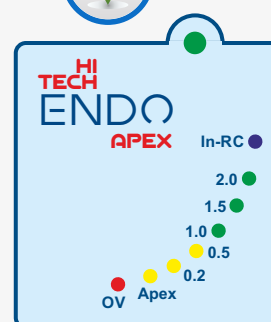
Reciprocating



Rotating



Apex Locator



- Ratio**
5 Contra-Angle Ratio settings (1:1 - 6:1 - 16:1 - 20:1 - 32:1)
- Speed**
Speed without Contra-Angle: 1000 to 10000 rpm
Speed with a: 16:1 contra-angle = 100 to 600 rpm

- Torque**
Torque with a:
16:1 contra-angle = 0,5 to 10 Ncm (Max)
6:1 contra-angle = 0,5 to 4,1 Ncm (Max)

- FWD° REV°**
Dedicated to Reciprocating (F+R) Mode
Adjustment from 10° to 360° in forward and reverse motion

Large Color LED Display is easy to read and provides a clear progressive display with high contrast. Yellow indicators illuminate when the file is approaching the apical constriction.

ATS Dental



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Model	Code	Description
HI TECH ENDO APEX	HTEA900	Endo Unit: - Electronic Control Console - Micromotor Assembly - «Easy» Foot Control - Power Supply



THE NEW GENERATION....OF ENDO UNITS

HI
TECH
ENDO

new **ENDOMOTOR** in:

- «Reciprocating» F+R Function
- «Continuous Rotary mode» with «SAR»



OPEN TO ALL FILE SYSTEMS!

«RECIPROCATING»



- Specific setting available for all file systems
- Programmable angle from 10° to 360° in Forward and Reverse



«CONTINUOUS ROTARY»



- Automatic safety functions: Standard AutoReverse + «SAR»
- Saving up to 10 individual torque and speed settings



THE NEW GENERATION....OF ENDO UNITS



RECIPROCATING MOVEMENT

RECIPROCATING MOVEMENT is based on the natural, manual file forward and reverse motion for more:

- **SIMPLICITY**
- **EFFICIENCY**
- **SAFETY**

ROTATING MOVEMENT

Keep all the benefit of the **ROTATING MOVEMENT** while ensuring a constant and regular motion.

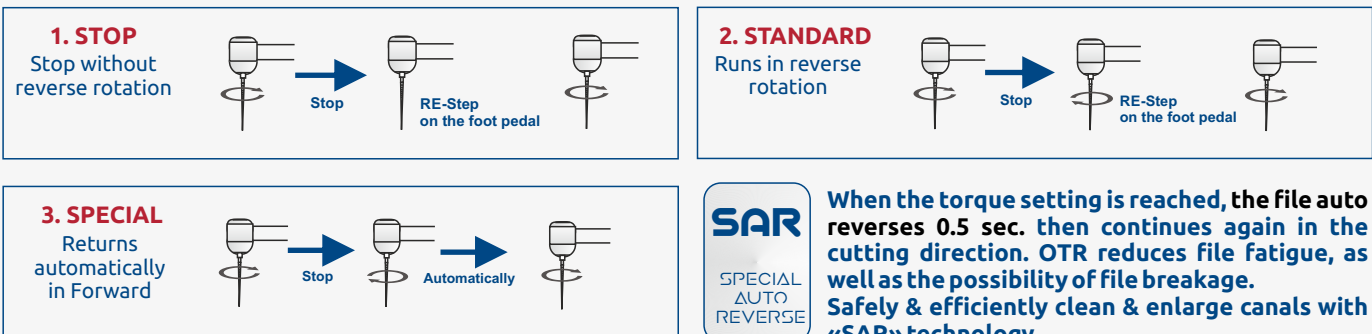
AUTO-REVERSE accuracy:

- **extremely short time of response** when torque is reached
- **a beeping tone** warns you when the 75% of the pre-set torque is reached

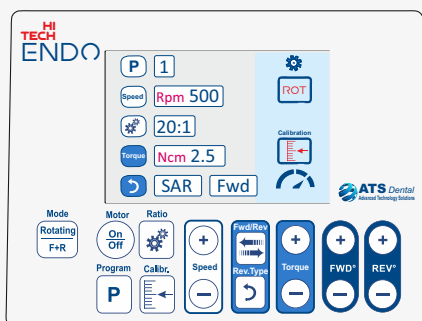
At about 75% of the pre-set torque, alarm activates



AUTO - REVERSE MODE



Rotating



Ratio
5 Contra-Angle Ratio settings
(1:1 - 6:1 - 16:1 - 20:1 - 32:1)



Speed without Contra-Angle:
1000 to 10000 rpm
Speed with a:
16:1 contra-angle = 100 to 600 rpm
6:1 contra-angle = 150 to 1600 rpm

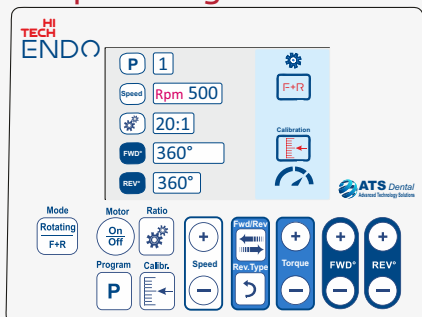


Torque with a:
16:1 contra-angle = 0,5 to 10 Ncm (Max)
6:1 contra-angle = 0,5 to 4,1 Ncm (Max)



Dedicated to Reciprocating (F+R) Mode
Adjustment from 10° to 360°
in forward and reverse motion

Reciprocating



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Model	Code	Description
HI TECH ENDO	HTE800	Endo Unit: - Electronic Control Console - Micromotor Assembly - «Easy» Foot Control - Power Supply



Top1000

The Power...of the Light

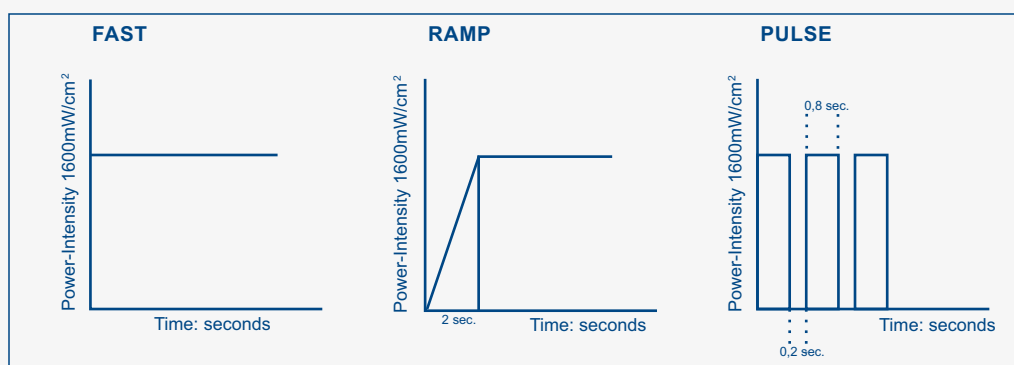
TOP 1000 LED Cordless Curing Light offers the combination of features, performance and reliability for the polymerization of all photosensitive dental materials with photo initiator for the wavelength range 430-480 nm. It has been designed to inspire confidence with its unmatched features for convenience and versatility of use.

3 Operation Modes: Fast - Ramp- Pulse

F: FAST – full power all the time

R: RAMP - gradually increasing power in first 2 seconds, then full power till ends

P: PULSE – 0.2 second interval with full power for 0.8 second



Ergonomic V-shape

It provides a comfortable grip from any angle.

Powerful Output

A predictable, reliable cure. Significantly better depth of cure with light uniformity and intensity distribution.

Unique, Multiple-setting light time

Guideline for the operation Time (5 - 10 - 20 - 30 - 40 - 50 seconds)

5W 1600mW/cm²	Time	5 Sec.	10 Sec.	20 Sec.	30 Sec.	40 Sec.
	Depth	3,5 mm	4,2 mm	5,4 mm	6,2 mm	6,7 mm

Sleep-mode saves energy

When the unit is suspended for 90 seconds, it will turn into sleeping mode to conserve energy.

Advanced Battery Technology

Lithium-ion battery - DC 3.7V - Capacity: 2600 mAh.

The unit is available to use with adapter as cord type when there's an urgent operation if battery is low in power. Directly connect the switching power adaptor with the curing handpiece.

Quiet fan and advanced thermal control system

It keeps the unit cool for uninterrupted operation and extends the overall life of the unit.



Model	Code	Description
TOP 1000	TOP1000	- Cordless LED Curing Light - Charging Station - Lion Battery rechargeable - Switching Power Adaptor - Light Guide - Oval Protector

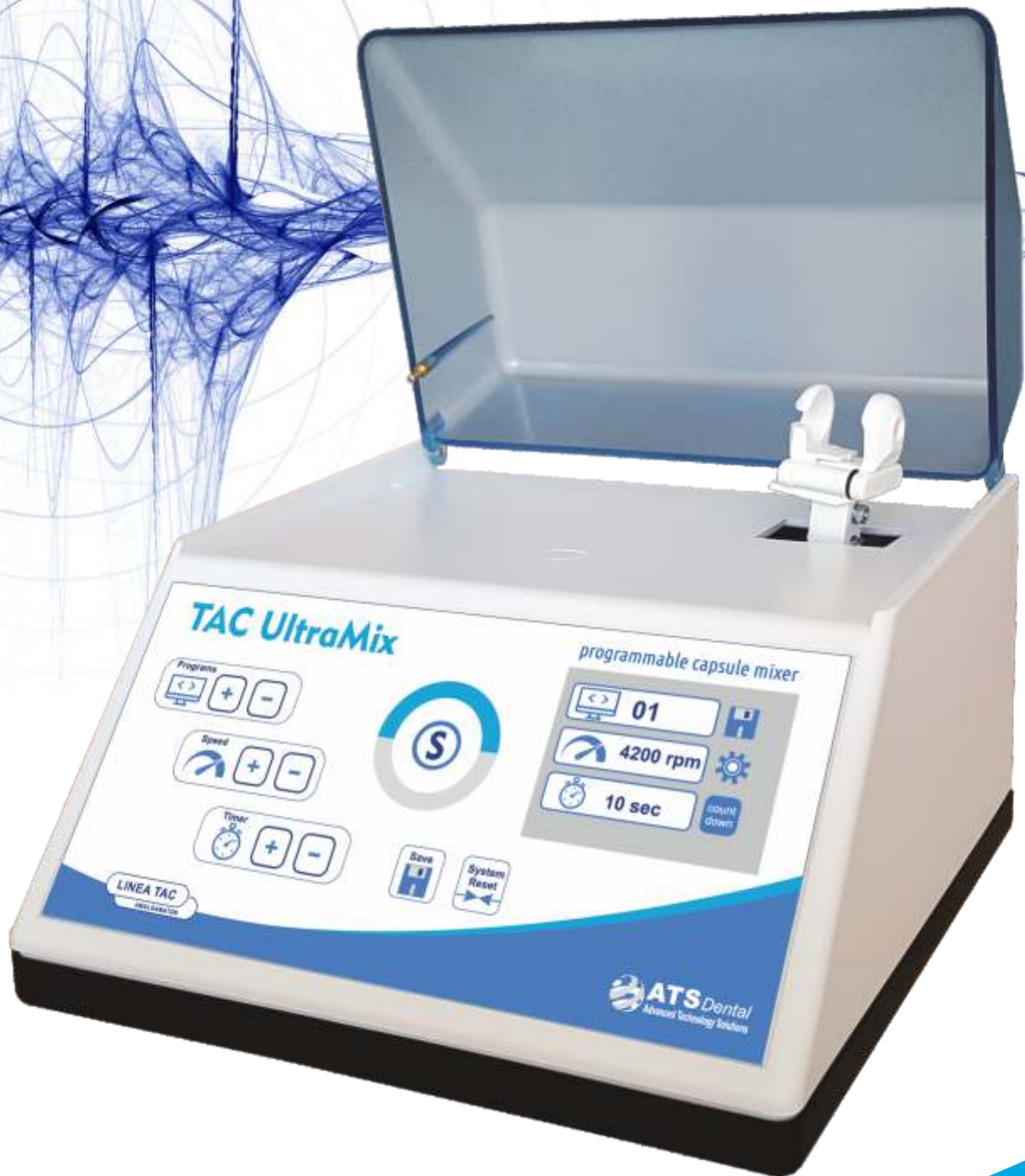
Technical Data	
Wavelength range	430-490nm
Light Intensity	1600 mW/cm²
Time Setting	5 - 10 - 20 - 30 - 40 seconds
Power Supply	Lithium-Ion Battery DC 3.7V 2600mAh
Power Adaptor Input	100-240V 50/60 Hz
Power Adaptor Output	DC 5V 3A

TAC UltraMix

LINEA TAC

AMALGAMATOR

fully computerized
and programmable capsule mixer



Mixing.Strong.Always

TAC UltraMix

LINEA TAC

AMALGAMATOR

fully computerized and programmable capsule mixer

Features and Benefits

TAC UltraMix is a modern universal mixing device for amalgam, glass ionomer cements and other predosed dental materials in capsules and injection capsules. This well-engineered and powerful unit has a reliable **«speed and time control»**. The microprocessor controls:

- **«10 Programs»**
- **«Speed»** that can be adjusted **from 3200 rpm to 6000 rpm**
- **«Time»** that can be adjusted **from 0 to 99 seconds**.

Cycles per minute are continuously verified.

«S»
- mixing Start

«Programs»

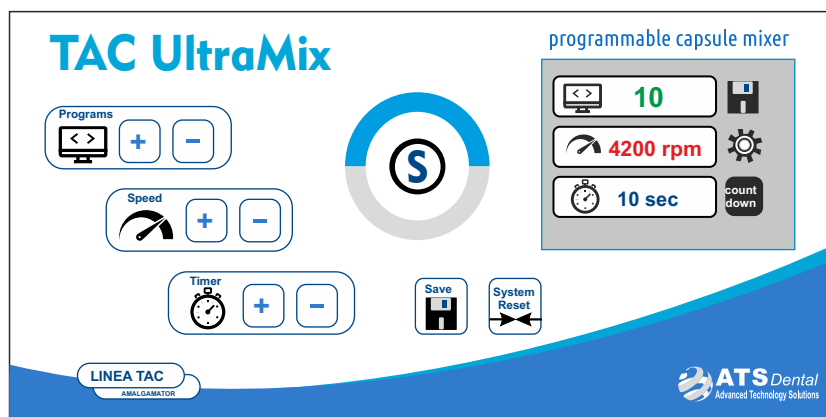
- Scrolls through the program
- Choice of 10 programs

Speed

- Sets the rpm. Motor speeds from 2600 to 6000 rpm

Timer

- Sets the time: from 1 to 99 sec.



«Graphic Display»

- clearly displays program in use, speed and time

«Save»

- save values of the programs 1-10

«System Reset»

- set all the values to the default parameters

Simply to use

The touch control system is quick and simple to operate. The capsule holder design makes loading and removal easy

Touch Pad Selector

The 2600 - 6000 rpm speed range ensures the most complete mixing possible

Universal Arm Design

Multi use mixer suitable for all types of encapsulated dental materials

Reinforced Carbon-Fiber Arms

More durable than metal arms

Vibration absorbers. Quite operation and low vibration

Minimal vibration of all external parts ensures it will not move from its standing position

Protective Cover

Covers arms and capsule during high speed mixing to reduce noise. It will immediately stop mixing when the protective cover is open

Ramp to seed quickly

It goes to 0 to set cycles per minute immediately

Easy to disinfect

The hygienic one surface covers facilitate infection control cleaning and the non-porous plastic surface can be cleaned with any dental disinfectant.

Model	Code	Description
TAC-UltraMix	TAC UTX	Fully computerized and programmable capsule mixer

TECHNICAL DATA

Model	TAC-UltraMix	Class MD	I rule 12 in Annex IX 93/42/EEC
Dimensions	300x220x170	Console	IP21
Materials	ABS	7488 Classification	Type 2
Noise	< 65 dBA	Operating Mode	30° ON – 180° OFF
Supply Voltage	AC 100-240V out 30V	Max Working Time	30'
Frequency	50/60 Hz	Fuses	1xT2.0A 250V

Reinforced Carbon-Fiber Arms



TAC 400/M

LINEA TAC

AMALGAMATOR

computerized
and programmable capsule mixer



Mixing.Strong.Always

TAC 400/M

LINEA TAC

AMALGAMATOR

computerized and programmable capsule mixer

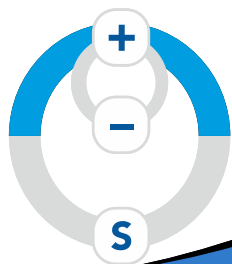
Features and Benefits

TAC 400-M is a computerized and programmable capsule mixer with 10 pre-set memories. The microprocessor controls to provide extreme accuracy for a perfect mix-to-mix consistency and performance, continuously verifying cycles per minute.

- «10 Programs»
- «Speed» 4200 rpm
- «Time» that can be adjusted **from 1 to 99 seconds**.

TAC-400M

programmable capsule mixer



LINEA TAC

AMALGAMATOR

M

ATS Dental
Advanced Technology Solutions

«LED Display»

- displays program in use and time

«M»

- changes 10 programs

«+ -»

- changes mixing times

«S»

- mixing Start

Reinforced Carbon-Fiber Arms



Simply to use

The touch control system is quick and simple to operate. The capsule holder design makes loading and removal easy

Touch Pad Selector

4200 rpm speed range ensures the most complete mixing possible

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Model	Code	Description
TAC 400-M	TAC 1003	Computerized and programmable capsule mixer

TECHNICAL DATA

Model	TAC-400M	Class MD	I rule 12 in Annex IX 93/42/EEC
Dimensions	300x220x170	Console	IP21
Materials	ABS	7488 Classification	Type 1
Noise	< 65 dBA	Operating Mode	30" ON – 180" OFF
Supply Voltage	AC 230V	Max Working Time	30'
Frequency	50/60 Hz	Fuses	1xT2.0A 250V





Switch to the...future 