



**STATIM, the world's favourite  
handpiece autoclave.**



Your Infection Control Specialist™

**SciCan** Dental

# Sterilise your handpieces in only 8 minutes

The STATIM S-cycle cassette autoclave is the fastest benchtop steriliser available. STATIM will enable you to sterilise your handpieces in only 8 minutes, which will optimise your clinical time management and improve efficiency.

It will also dramatically reduce the number of handpieces you will require in the average day from around seven to three; saving you money.

It's a new formula! Speed equals money saved.



Point of care: A fresh set of sterilised instruments and handpieces for every patient.



## How does STATIM work so fast?

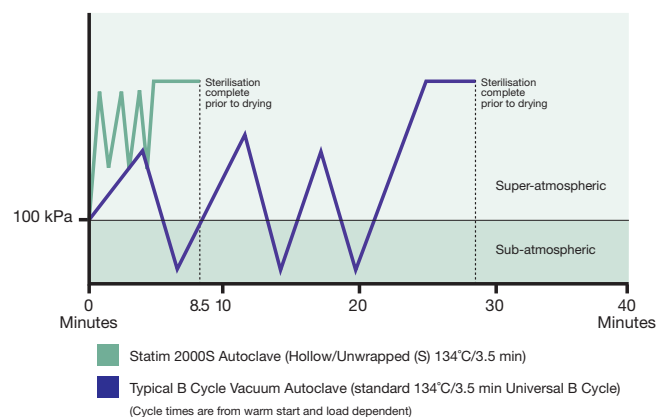


The removal of air has long been recognised as critical to achieving sterilisation because air can act as a barrier to the sterilising steam. In fact, **unless** the autoclave can evacuate air from inside the handpiece before sterilisation begins; the handpiece would **not** necessarily be sterilised. This 'pre-evacuation' and sterilisation can only be assured in a validated S or B-cycle autoclave.

The new European Standard recognises that there is more than one way to achieve the removal of air. The gentle action of the STATIM S-cycle displaces air from the sterilisation chamber by a patented steam-injection, positive pressure pulse displacement process. This STATIM process is at least five times faster than the typical 45-70 minute cycle of conventional B-cycle vacuum autoclaves.

When the 'start button' is pressed, the steam generator heats to the optimum temperature and a defined volume of distilled water is pumped in and converted to steam. Then, a wall of steam is automatically injected into the cassette pressure chamber which is loaded with contaminated instruments. Air is purged as the steam courses through the cassette and is continuously expelled into a waste bottle. After any cycle is completed the drying cycle switches on, rapidly drying and cooling the instruments.

Pressure/Time Comparison Graph



# Setting new standards

The European Standard EN13060 defines and approves three basic classifications of small steam steriliser cycles.

Type of cycle	Description of approved use by EN13060
<b>S</b>	The sterilisation of products <b>as specified by the manufacturer of the steriliser</b> including non wrapped solid products and at least one of the following: porous products, small porous items, hollow load products type A, hollow load products B, single wrapped products, multiple-layer wrapped products
<b>N</b>	The sterilisation of non wrapped solid products
<b>B</b>	The sterilisation of all wrapped or non-wrapped, solid, hollow load products type A and porous products <b>as represented by the test loads in this standard</b>

*“It is essential that the steriliser and associated equipment is used only for the sterilisation of the type of products for which it is designed. The choice of steriliser, sterilisation cycle or quality of services provided can be inappropriate for a particular load. Therefore the suitability of the sterilisation procedure for a particular product needs to be verified by validation” EN13060.*

The STAT/M S-cycle cassette autoclave has and continues to meet all EN13060 requirements.

## The certainty of validation

The STAT/M S-cycle cassette autoclave is a bespoke steriliser in that it is validated microbiologically by independent research institutes and tested for specific instruments. These include all major brands of handpieces.

Now you can also obtain a routine check of STAT/M's sterilisation cycle with a specifically designed Process Challenge Device – STAT/M PCD that makes STAT/M an S class autoclave that can prove its effectiveness by both biological and mechanical means.

And with a routine check using your STAT/M PCD, you can be certain that STAT/M is meeting the challenge of ensuring that yourself, your staff and your patients are protected against cross-infection from contaminated instruments.

STAT/M also documents its own successful cycle. A computerised microprocessor aborts the cycle if any of the parameters of temperature, pressure or time are not achieved. You can be certain that by following the simple keypad instructions the fully automatic operation will result in sterilisation of all your solid, hollow, wrapped or unwrapped instruments.



The STAT/M cassette provides a convenient aseptic method of transport for sterilised instruments.



# The STAT/M difference

## Attractive, compact, reliable and gentle

The STAT/M S-cycle cassette autoclave is a compact autoclave small enough to fit neatly into a convenient space on, or under, the dental cabinet countertop as it generates little heat and very little noise. It is an attractive, well-designed, aesthetic unit which sits comfortably with today's surgery décor.

STAT/M is gentle on instruments such as fibre-optic dental handpieces, orthodontic pliers, endodontic instruments, syringe tips and diamond and carbide burs. STAT/M's steam injector system provides temperature consistency and expels the air that causes oxidation in conventional autoclaves. STAT/M cassette autoclaves use only clean distilled water with every cycle, preventing the formation of rust and the build-up of bio contaminants. Also, at the end of a cycle a built-in air pump flushes the chamber with filtered dry air, further reducing humidity.

Light, thin-walled STAT/M cassettes promote rapid heating and cooling, further minimising overall processing time and reducing instrument exposure to heat.



## Clean distilled water

The STAT/M uses clean distilled water with every cycle because it is gentle on the unit and on the instruments. SciCan sets the highest standards and the most rigorous policy on water quality. If water quality is outside the 1-10 micro-siemens range it is unacceptable. Tests show that the higher the micro-siemens value of water the higher the chance of building up inert gases which can prevent sterilisation at the spots where they occur. The STAT/M has an internal water conductivity meter which constantly monitors water quality and warns if the limits are exceeded.

The Aquastat water distillation unit available to STAT/M users is the easiest and most consistent way to obtain fresh distilled water.



## Easy to use and maintain

Very simple keypad operation and helpful LED display prompts makes STAT/M S-cycle cassette autoclaves very user friendly. STAT/M is also self-diagnosing – if a problem occurs it will immediately be indicated on the electronic display panel... very reassuring.



### Start

One touch begins the sterilisation process



### Stop

Manual override allows safe interruption at any stage of the process\*



### Level Indicator

A cleverly designed spirit level indicator assures accurate set-up and completely safe operation

\*User should view the display for sterility of the load. Packaging needs to be checked and if it is still wet then it should be pouched/wrapped and sterilised again.



# A closer look at features of the STAT/M 2000S



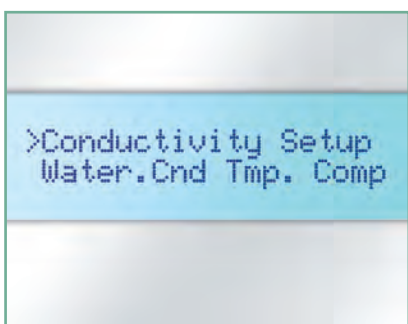
Ultra-thin walled cassettes allow for rapid heating and cooling.



Precision inlet/outlet system for quick, thorough steam injection and air purging.



Schematic of forced air removal design with combined purging.



The internal water conductivity meter constantly monitors the water quality and warns if limits are exceeded.



Documentation is available via an optional printer or data logger.



A biological filter will not allow bacteria or spores above 0.3  $\mu\text{m}$  to enter the sterilising chamber during the drying cycle. An efficient air filtration system includes easy access filters for quick replacement.

## Compare the results:

The STAT/M 2000S cassette autoclave delivers dramatic improvements in process efficiency through shorter cycle times.

Button	Cycle name	Sterilisation temperature	Sterilisation time (minutes)	Cycle time* (minutes)	
				Warm start	Cold start (max. load)
	SOLID UNWRAPPED	134°C	3:30	6:45	9:15
	HOLLOW UNWRAPPED	134°C	3:30	8:05	11:45
	HOLLOW UNWRAPPED	134°C	18:00***	22:35	26:15
	HOLLOW WRAPPED**	134°C	3:30	10:40	15:35
	HOLLOW WRAPPED	134°C	18:00***	25:10	30:05
	RUBBER/PLASTIC	121°C	15:00	18:40	20:15
	RUBBER/PLASTIC	121°C	30:00***	33:40	35:15
	AIR DRYING ONLY	Not a sterilisation cycle			

\*Drying not included \*\*Cycle for routine check (STAT/M PCD) test

\*\*\*Choice of programme depends on the instrument manufacturer's instructions and on the type of use (risk group).

# STAT/M 5000S

The STAT/M 5000S has a greater capacity than the STAT/M 2000S due to a larger cassette. Cycle times are generally 20% longer than those of the STAT/M 2000S due to the larger capacity. More instruments can be sterilised during the working day than in any B-cycle steriliser because of the efficiency of the 11 minute cycle of the STAT/M 5000S for unwrapped instruments. It's a reliable cassette steriliser that's compact enough to fit into patient treatment areas and is ideal for the larger and busy dental practice.

The STAT/M 5000S is also fully automatic. Simply select one of seven sterilisation programmes and with a single touch of the keypad, begin the cycle. An advanced microprocessor controls all functions and maintains optimal sterilisation conditions, from start to finish.



## Order Code Accessories for STAT/M 2000S/5000S

01-100008A	Cassette for STAT/M 2000S	01-101613S	Cassette for STAT/M 5000S
01-100028S	Cassette Seal for STAT/M 2000S	01-101649S	Cassette Seal for STAT/M 5000S
01-101657S	Thermal Paper (Box of 10 rolls)		
01-108341	STAT/M Helix Test Device		
99-108332	Sterilisation Emulator 134°C 3.5 min (-250pcs)		
20ZPLUS	STAT-DRI 2 oz.		
01-102119S	Biological Air Filter		
01-108262S	Instrument Basket for STAT/M 2000S	01-108263S	Instrument Basket for STAT/M 5000S

## Validated handpieces

STATIS	High Speeds
STATIS	Low Speeds
Bien-Air	Bora L
Kavo	Gentle Power 25 LPA
KaVo	Gentleforce 7000C
KaVo	Intramatic LUX3, 20 LH
KaVo	Super-Torque LUX/640 B
NSK	ATL118040
NSK	PanaAir
NSK	Ti-Max
Midwest	Tradition
Sirona	T1 Classic, S 40 L
Sirona	T1 Control, TC3
STAR	430 SWL
W&H	TA-98LC *
W&H	Trend HS, TC-95RM
W&H	Trend LS, WD-56
W&H	WA-99 LT *
W&H	WS-75 *

\* Wrapped cycle



A specially designed STAT/M PCD is available to enable routine check in practice.

The above instruments were tested by third party agencies. These tests indicate that semi-critical and critical instruments, including dental handpieces, can be sterilised wrapped or unwrapped.

Standard	Reference	Medical Device Directive
Standards (European)	EN 13060: 2004	Small Steam Sterilisers
Standards (Safety, Europe)	EN 61010-1: 2001	Safety requirements Part 1: General requirements
	EN 61010-2-040: 2005	Safety requirements Part 2-040: for steam autoclaves
	EN 61326: 1997	EMC requirements

The STAT/M complies with the requirements of international standards.

Specifications table for 2000S and 5000S		STAT/M 2000S	STAT/M 5000S
Machine Dimensions:	Length:	48.5 cm	55 cm
	Width:	41.5 cm	41.5 cm
	Height:	15 cm	19 cm
Cassette Size (External): (includes handles)	Length:	41 cm	49.5 cm
	Width:	19.5 cm	19.5 cm
	Height:	4 cm	8 cm
Cassette Size (Internal):	Length:	28 cm	38 cm
	Width:	18 cm	18 cm
	Height:	3.5 cm	7.5 cm
Sterilisation Chamber Volume:		1.8 l	5.1 l
Reservoir Volume:		4.0 l	4.0 l
Weight (Without water):		21 Kg	33 Kg
Clearance required:	Top:	50 mm	50 mm
	Sides:	50 mm	50 mm
	Back:	50 mm	50 mm
Clearance required to remove cassette:		48 cm	57 cm
Minimum charge in the water reservoir:		550 ml	550 ml
PRV value (pressure relief valve):		3 BAR	3 BAR
Electrical Rating:		220-240 V, 50/60Hz, 6A	220 - 240 V, 50/60 Hz, 6A
Current:		AC	AC
Protection Class:		I	I
Protection:		Covered	Covered
Ambient Operating Temperature:		5°C - 40°C	5°C - 40°C
Sound levels:		Mean - 56 dB Peak - 65 dB	Mean - 56 dB Peak - 65 dB
Humidity:		80% Max.	80% Max.
Max. Altitude:		2000 m	2000 m

NEW



**STAT/M 2000 G4**  
cassette autoclave

NEW



**STAT/M 5000 G4**  
cassette autoclave



**STAT/M 7000**  
cassette autoclave



**BRAVO**  
fractionated vacuum steriliser  
Bravo17 (220-240V, 10A 50 Hz, Printer)  
Bravo17V (220-240V, 10A, 50Hz, Printer)  
Bravo21V (220-240V, 10A, 50Hz, Printer)



**AQUASTAT**  
water distiller



**HYDR/M M2**  
washer/disinfector



**STATMATIC**  
handpiece maintenance

NEW



**STATMATIC PLUS\*\***  
handpiece cleaning  
and maintenance



**STAT/S\***  
high speed  
handpieces



**OPT/M 33TB**  
surface cleaner  
and disinfectant



**E-STAT/S\***  
electric handpiece system



**CONNEX\***  
couplings for STAT/S high  
speed handpieces

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**SciCan** Dental

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