



# SMART

## Control the power

The compact 'Cattani Smart' suction system combines unique, multi-level power and automatic speed control with the most effective cyclone amalgam separator available.

Advanced technology and a remote use keypad enable you to instantly control vacuum and airflow levels, at the touch of a button, from almost anywhere in your surgery. Optimising control can halve the machine's power usage, significantly reducing running costs and noise output but, without affecting performance.

Coming pre-wired, pre-programmed and completely assembled, with additional benefits that reduce maintenance time, 'Cattani Smart' is easy to use and extremely reliable. For a smarter suction solution, call now for details of your local stockist.

## Designed for single surgery use

Call us: 01527 877997

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## Features and benefits include:

- Microprocessor with advanced technology
- Multi-functional information keypad with self diagnostics and remote use.
- Multi-level power control option:
  - Can halve power usage from 6.3 to 3 amps.
  - Significantly reduces running costs.
  - Decreases noise output.
  - Minimises possible soft tissue trauma to patients.
  - Provides effective vacuum for both conservation and surgical procedures .
- Patented self-cleaning Hydro-cyclone amalgam separator, without need of an external water supply.
- Air water separator with reduced maintenance requirements.
- Patented thermostatic temperature control prevents overheating.
- Durable and reliable industrial Cattani Uni-Jet 40 vacuum motor.
- Corrosion resistant frame.
- System supplied pre-wired, pre-programmed and completely assembled for simple installation.
- Easy to access components, that require less maintenance.
- Optional bacteria and mercury filter to minimise cross-contamination.
- Compact size for easy placement in a surgery cabinet.

## • Microprocessor

Cattani Smart is the most intelligent suction system available. Undoubtedly the advanced Microprocessor is the 'black box' and brains behind the machine, which is environmentally sealed.

Powering the system's variable speed suction, it also monitors a range of other important data including: unit temperature and maximum temperature reached; vacuum level; hours run and number of motor starts; electrical absorption of the motors; and maintenance requirements. Fitted with a Micro SD card slot, any future software upgrades from Cattani can be easily uploaded into the system.

## • Power Control

The Information Keypad is unique and controls three power levels with touch-button controls. These instantly vary the vacuum and airflow speed for different performance demands and techniques.

Operational efficiency is improved and power usage can be halved from 6.3 to 3 amps, thereby significantly reducing running costs, without affecting performance. Suction is more consistent, there is less heat output and less load strain on motors with soft-start.

Sited on the system, the Information Keypad is cable connected to enable remote use from more convenient locations within the surgery, for example, on cabinet units or by the dentist's chair. With a self-diagnostic feature it conveys alerts to the user, such as "Amalgam container full" warning.





## • Cyclone Technology

Cattani's Cyclone Amalgam Separator is self-cleaning and highly effective. Rigorously tested against the highest industry standards, it complies with ISO 11143 and Deutsches Institut für Bautechnik (certificate number Z-64.1-10).

Simple yet extremely reliable, the component ensures a retention rate of up to 99.6%. Amalgam particles are separated centrifugally, without need of an unnecessary pump or motor. Instead, it harnesses the fluid pressure generated by the Cattani Smart centrifugal separator to achieve retention, providing greater reliability of the entire system and less interruption to suction.



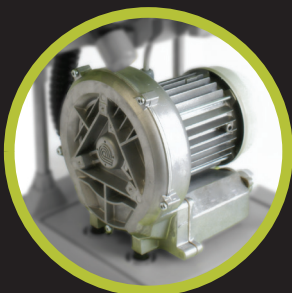
## • Installation

Supplied pre-wired, pre-programmed and completely assembled, Cattani Smart is very simple and fast to install. Compact and light yet rugged, the machine easily fits into a surgery cabinet. The corrosion resistant frame is designed for longevity and offers added protection against any accidental surgery spillages.



## • Maintenance

Straightforward to maintain, Cattani Smart is supplied with hard copy, step-by-step care and maintenance instructions. The machine, components and amalgam container are easily accessible, making cleaning simple and quick. The highly effective air water separator also significantly reduces the need for constant maintenance.



## • Reliability

Do not be misled by Cattani Smart's compact and light design. This suction system delivers unbeatable performance, encompassing leading-edge technology and component advancements. Automatic temperature control prevents overheating and the Cattani vacuum motor, with its corrosion resistant impeller, makes the machine extremely reliable.

## • Energy

The unique, multi-level power control reduces energy use for Cattani Smart. Not only does this improve operational efficiency, it significantly reduces the unit's running costs and noise level. This does not affect performance but, has less energy demand and impact on the environment.

## • Environment

The effective cyclone amalgam separator provides a retention rate of up to 99.6%, helping dentists with their legal duty to dispose of waste and waste-water responsibly. Cattani Smart offers an optional bacteria and mercury filter to further reduce cross-contamination from vapours and maximise protection of surgery staff and patients.

## • Experience

The unique, multi-level power control will enhance the experience of surgery staff and patients. Dentists benefit from energy and operational cost savings, while using the most reliable and intelligent suction system available. Decreased noise levels and variable vacuum suction, help to make patients and surgery staff more comfortable.



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## • Single Surgery Use

Cattani Smart is specifically designed for single surgery use and is a range extension of Turbo-Smart (for multiple surgery use) which has a proven track record for performance. The new Cattani Smart suction system incorporates advanced technology and enhanced features; its compact and light size is an added bonus.

## • Service & Support

Cattani Smart is supplied with a 12 month warranty. An amalgam collection and recycling programme is available. It is recommended that Cattani's range of suction system disinfectants and associated cleaning products are used with this product. It is also recommended that the machine is annually serviced by a qualified technician.

Cattani ESAM UK Limited has a well earned reputation for providing superlative technical support and a professional, rapid and reliable after-sales service.

## • Technical Data

Voltage	230V 50Hz
Rated Current	6.3A
Rated kW	1.12kW
Variable suction control	Minimum: 100 l/min Maximum: 900 l/min
Maximum negative pressure	210 mbar
Maximum Distance from chair	8 metres
Operating environment	+5°C - +35°C
Dimensions	Height: 595 mm Depth: 345 mm Width: 375mm Weight: 23kg
ISO-18 Amalgam retention system	98.9% retention rate at maximum flow of 5.5 l/min  99.6% retention rate at minimum flow of 0.5 l/min
Standard complies to ISO 11143 – Dental Equipment Amalgam Separators	

## For further information, please contact

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