



The best dental suction systems

Cattani Smart systems

Traditional suction motors have a fixed speed motor that makes them notoriously inefficient: when just a small number of chairs are in use, the motor's energy consumption remains constantly high. But Cattani 'Smart' suction motors always know what's going on in the surgeries, thanks to Inverter Drive technology and adjust performance accordingly.

Cattani was the first manufacturer to bring inverter driven variable speed suction systems into the dental market in the early 2000's and is the pinnacle of Cattani engineering. Cattani 'Smart' dental suction systems - Micro Smart, Turbo Smart, Turbo Smart 2V, TurboSmart HP, and Maxi Smart - all incorporate inverter drive technology, designed to provide consistent, high-performance suction while cutting energy costs. Thanks to inverter technology, you can install parallel 'Smart' suction systems and have them "talk" to each other. This way, you can expand your surgeries capacity easily and at the same time introduce built-in redundancy, or back-up systems, to ensure everything keeps running no matter what.

Built in active self-protection

Micro Smart and Turbo Smart systems are programmed to respond to situations and anomalies that typically disturb the operation of an aspiration unit, or even damage it. For example, a functional anomaly that could damage the machine, such as an overload of fluids or overheating due to excessive temperatures. This active self-protection feature will automatically adjust their functioning and performance to overcome the issue, returning to normal operation once the situation has corrected itself. Fixed speed aspiration units (without inverter and software control) have no such active self-protection, and in response to such scenarios can only stop to protect against damage.

Performing like a small and large machine at the same time; small when it is used by one operator and large when it is upgraded to fit an expanded surgery. Therefore, offering consistent suction and even reducing heat output when the demand for the suction is low avoiding overheating. Thanks to the inverter, its electrical energy consumption is proportional to its use. Thus allowing a 50% energy saving if compared to fixed speed aspirators.

Wi-fi connectivity

All Cattani 'Smart' suction systems connect wirelessly to the free Cattani Smart App, allowing you to control your systems directly from your smart phone or tablet.



Benefits of registration:

- Wi-fi connectivity allows for the practice to check the status of their equipment at any time and automatic downloads of any new software updates.
- Engineers can remotely check and diagnose any errors should they occur on all Smart suction systems
- Check and adjust the suction level depending on whether you are carrying out conservation, orthodontic, oral or implantology procedures
- Check the amalgam container - the unit will alarm when the container is at 95% and 100% full
- Check the event list for any alarms
- Send a report to Cattani Italy and UK with details about the suction system for further technical assistance.

Cattani's 'Smart' suction systems are medical devices it is a requirement of the units warranty (as of 1st April 2022) to connect them to the Smart App upon installation.

Protect your system – product warranties

Cattani 'Smart' suction systems are supplied with a 12-month warranty which will be increased to a three-year warranty upon registration on the Smart App. An extended two-year warranty can also be purchased with the unit at point of sale to further increase the warranty to five years.

Cattani 'Smart' suction system range

Micro Smart

- Variable speed, single surgery suction system, suitable for all dental procedures
- Providing a flow rate of 900 litres per minute at 210mbar.
- This system incorporates a digital display informing the user of the amalgam container level, operating temperature and hours worked for accurate servicing
- Micro Smart has three programmable vacuum levels: low volume for orthodontics and saliva ejection, medium volume for conservation and high volume for oral surgery and implantology
 - Micro Smart can be installed in the plant room or inside cabinetry within the surgery.
 - TUV certified 98.9% amalgam retention.



Turbo Smart and 2V

- Turbo Smarts are variable speed, with high airflow and high vacuum. Supplied for two surgeries but can be upgraded to four surgeries if required via a software upgrade
- Similar to Micro Smart systems, this unit has a digital display informing the user of the amalgam container level, operating temperature and hours worked for accurate servicing.
- With a programmable vacuum level, Turbo Smart can automatically alter vacuum on demand and respond to any change in use from the surgeries.
- Turbo Smart 2V systems are an ideal direct replacement for any wet-ring system. All the same features as the Turbo Smart with the addition of an extremely powerful Uni Jet 75 2V motor, producing 270mbar negative pressure for up to four surgeries.
- TUV certified 98.1% amalgam retention.

Turbo Smart HP

- High performance, variable speed multiple surgery system, ideal for conservation and surgical applications.
- Turbo Smart HP units feature a pair of Cattani's new extremely powerful, performance enhanced Uni Jet 75 motors. Providing high airflow and producing 340mbar negative pressure, for up to four surgeries.
- All the same features as Turbo Smart systems, with a digital display informing the user of the amalgam container level, operating temperature and hours worked for accurate servicing.
- Turbo Smart HP systems are an ideal direct replacement for any wet-ring system.
- TUV certified 98.1% amalgam retention.

Maxi Smart

- Variable speed system, featuring Cattani's extremely powerful Maxi Jet 2V LHT motor, producing 5000 litres per minute and up to 240mbar negative pressure for up to 15 surgeries.
- Ideal as a new installation, as a replacement for an existing system, or as an emergency standby system for hospitals and larger installations.
- All the same features as Turbo Smart systems, with a digital display informing the user of the amalgam container level, operating temperature and hours worked for accurate servicing.
- TUV certified 98.1% amalgam retention.