



# **MAXI SMART** **UP TO 15 SURGERIES**

FLEXIBLE RELIABLE POWERFUL



# FLEXIBLE, RELIABLE AND POWERFUL SINGLE SURGERY, VARIABLE SPEED SUCTION SYSTEM

## CATTANI MAXI SMART

Is the latest worldwide breakthrough in dental vacuum from Cattani. It is the first system anywhere in the world that provides, in addition to a constant vacuum level, a constant rate of airflow for each dental unit, regardless of the change in demand placed upon the system.

At the heart of Maxi Smart there is a software driven inverter system which can react to the demand placed on the system from the surgeries, to ensure that a constant vacuum level is maintained in all of the surgeries, as the demand varies.

Maxi Smart is a dental suction unit recommended for 15 surgeries working simultaneously.



In addition to the features already mentioned, it should also be noted that the centrifugal separator in Maxi Smart replaces both the centralized separator tank and the Turbo Smart (used as drain pump), greatly reducing the size of the plant and greatly simplifying maintenance operations.

Maxi Smart is effectively the first integrated suction unit for large clinics. The vacuum levels for Maxi Smart can be set the same way as for our Turbo Smart system, however to overcome any restrictions in the pipework and different numbers of surgeries, the flow rate needs to be adjusted in order to set the vacuum level.

Maxi Smart is equipped with a purposely designed Medio Jet 2V suction unit, which has a flow rate of 300 m<sup>3</sup>/h and a negative pressure of 2400-2800\* mmH<sub>2</sub>O. This allows for up to 15 dental units to be connected to the Maxi Smart, each achieving a simultaneous flow rate of 300 l/min.

## THE CENTRIFUGAL SEPARATOR

has the ability to pump up to 300 l/min (aspirated liquid). The amalgam separator, ISO Hydrocyclone 60 is certified (by TÜV Essen) for 98.7% separation at a flow rate of 55 l/min.

## THE INVERTER:

The electrical control unit is fitted with a variable speed drive inverter (VSD) which is software driven. The VSD and unit's software minimise stress on the motor, maintain the vacuum level at the programmed value and adapts the flow rate in real time according to demand from the surgeries, by increasing or decreasing the speed of the motor. The result is an energy saving system.

## AUTO-PROTECTION:

Suction units with VSD are the only ones that can react to many challenging situations; where there are problems with the plant environment such as high temperatures or operational problems like excessive fluids arriving at the machine, Maxi Smart adjusts to deal with the situation and continues to provide performance to the users. Any anomalies are signalled on the control panels display screen. It is also possible to connect the unit to the dental surgeries computer via a wifi connection.

## ECO-SUSTAINABLE SUCTION UNITS:

Our units with VSD and software reduce raw material and energy consumption by up to 50%. Therefore, offering the dental market machines that are more flexible, more suited to their needs, and more eco-sustainable.

Cattani Maxi Smart systems are supplied with a 1 year warranty\* (subject to terms and conditions of servicing schedule).



### Maxi Smart

Medio Jet 2V Special + Control Board with VSD (inverter)

No. of Surgeries:	up to 15 surgeries
Output power:	11.8kW-25A
Max. flow:	5000l/min
Max. vacuum level:	240mbar (continuous service)
Noise level:	77dB(A)
Dimensions:	W685 D1060 H1470 (mm)
Net Weight:	250kg
Gross Weight:	300kg



### Maxi Smart with fitted sound-reducing cabinet

Medio Jet 2V Special + Control Board with VSD (inverter)

No. of Surgeries:	up to 15 surgeries
Output power:	11.8kW-25A
Max. flow:	5000l/min
Max. vacuum level:	240mbar (continuous service)
Noise level:	68dB(A)
Dimensions:	W685 D1060 H1470 (mm)
Net Weight:	271kg
Gross Weight:	321kg



WE HAVE BEEN SPECIALISING WITH AIR TECHNOLOGY  
FOR 50 YEARS:  
SPECIALIZATION HAS GIVEN EXCELLENT RESULTS.

**HOW IS IT WE LEAD IN OUR FIELD, WHEN WE COST LESS THAN THE ALTERNATIVES? THIS IS HOW:**

**Constant research:** this enables us to apply the latest technology to all of our products and solutions.

**We enhance performance:** electronic and information technology enable us to enhance the performance and reliability of our products.

**We reduce costs:** less maintenance and lower energy costs mean that we are always the most economical on a cost-benefit analysis.

**We reduce environmental impact:** we save 50% on raw materials, so that you can save between 30% and 50% on electrical consumption.