

CALIFORNIA



Zhermack 
Dental



SIMPLE&SMOOTH

California is a Zhermack new generation sandblasting machine.

Designed directly with dental needs in mind, California represents a new horizon in professional sandblasting for the dental sector.

Reliability, luminosity, comfort, convenience: These are the key points for an efficient sandblasting machine. Easy to use and fast. California is able to offer these features thanks to technical solutions that have been particularly developed for the field of dentistry. Sandblasting must be performed quickly, precisely and easily. An operation that must simplify processing without hindering it.

Thanks to the technical solutions utilised, California is a sandblasting machine designed to last over time, capable of increasing sandblasting quality and ease and, above all, of maintaining power consumption and keeping operating costs low.

This is the California promise.



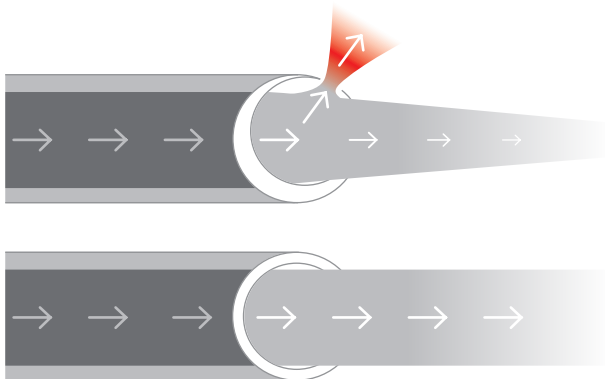
A SANDBLASTING MACHINE YOU CAN RELY ON

It is the technical details that distinguish and give quality, when they stem from careful design.
Quality that transforms immediately into reliability.

For this reason, we opted for solutions while designing California that were able to increase sandblasting reliability, starting from the smallest technical details.

The pneumatic system is not only composed of high quality components, but Zhermack has also introduced some technological solutions to increase the life of those components most subject to wear and breakage:

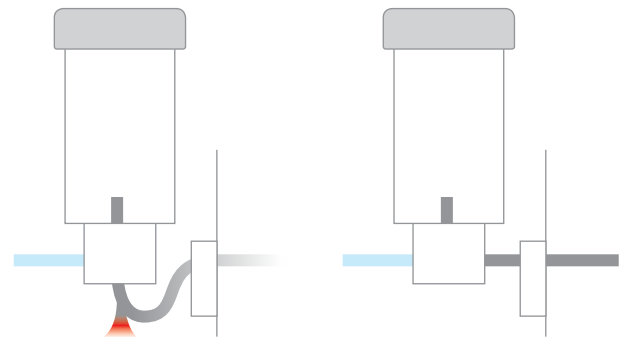
- A** clutched regulator
- B** calibrated tubes
- C** curveless tubes



B Pneumatic circuit tubes are calibrated - that is, with a constant cross-section - to reduce holes from abrasion in irregular and thinner sections.



A The pressure regulator, operating directly in the sandblasting chamber, is clutched to prevent accidental breakage.



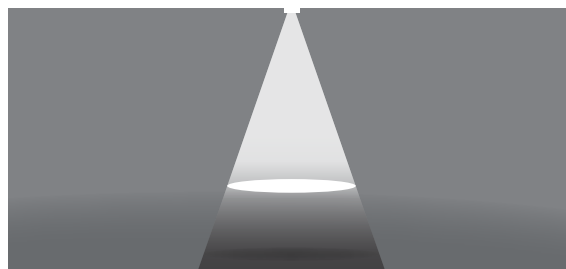
C To increase durability, the tubes directly connect the sand cylinders with the sandblasting chamber - without any curves.

LIGHT WITHOUT SHADOWS

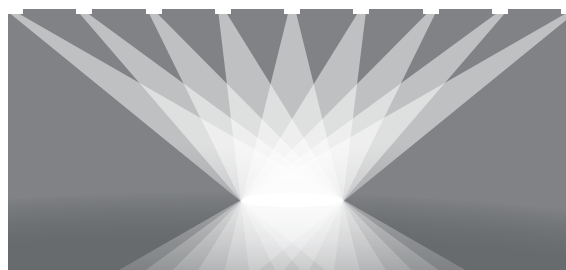
Seeing clearly is essential for working safely and to obtain precision and quality: It is these characteristics that ensure suitable sandblasting, especially when operating on very small products, as often occurs in the dental sector. It is essential in the dental industry to have events in the sandblasting chamber under control.

For this reason, **California has a bright chamber.**

A 28 low-consumption LED lighting system, arranged in two rows inside an adjustable tube - to adapt to different machining requirements. Protected by an interchangeable film to ensure that the object to be sandblasted is always perfectly lit without any shadows.



BRIGHTLED



Each of the 28 light sources generates a shadow which is cancelled out by the light beams generated by other LEDs, offering highly luminous lighting on the object to be sandblasted.



SIMPLE&SMOOTH 3

SEEING CLEARLY MEANS WORKING BETTER.

RELIABLE AND COMFORTABLE

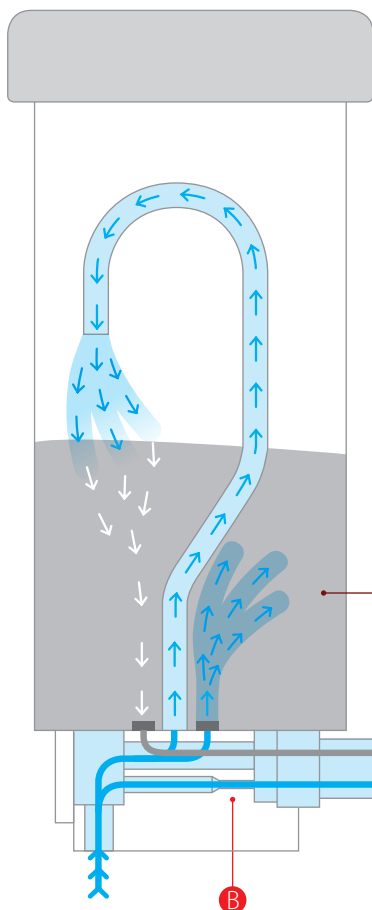


Sandblasting should be quick and simple. In this way, those performing the task can do so effectively and safely.

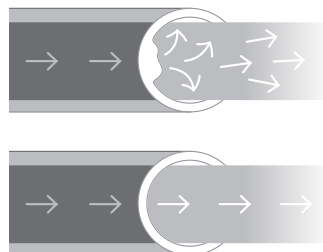
Constant flow even at low pressure

California offers a constant flow of sand thanks to technical solutions aimed at eliminating turbulence or interruptions in the air-sand flow.

This innovative system to create turbulence inside the cylinder with two air flows - one from above and one from below - helps ensure that sand will not block (for 25-70 μm sand cylinders).



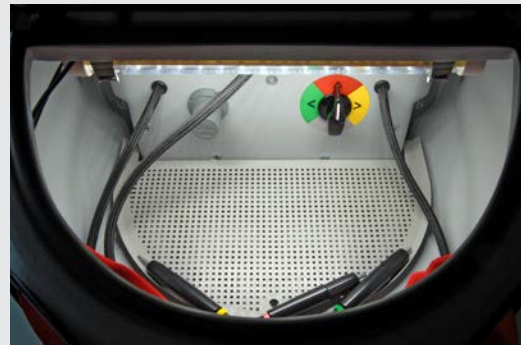
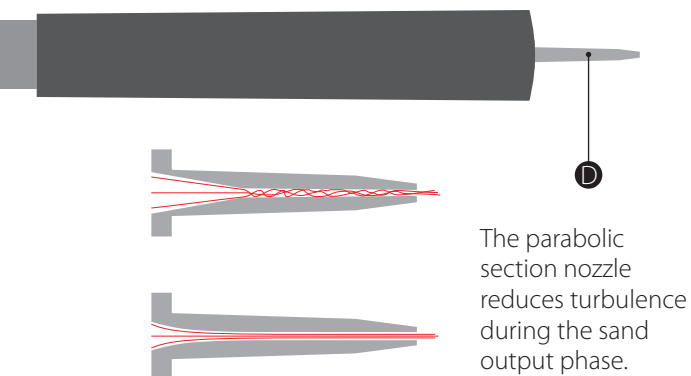
The double air flow system at the cylinder base helps maintain the sand and air flow constant even at low pressure: the additional channel increase air flow, optimising the Venturi effect.



Constant cross-section, calibrated tubes eliminate turbulence inside the handle tubes.

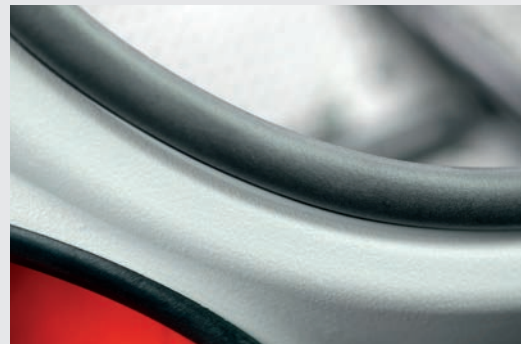
Quality sand helps make the sandblasting machine effective and with a constant flow

In high quality sand, the diameter of grains is very close to nominal value (i.e. 110 μm). In low quality sand, the diameter can vary quite a lot. **Very low or moist sand can cause malfunction.** Zhermack sand has been sieved (to improve quality) and **packaged in 1 kg bags** (to minimise the effects of moisture).



Everything on hand

The sandblasting chamber is large, ergonomic, and easily accommodates any size of hands operating it. Controls for adjusting operating pressure and a sand cylinder selector are present inside the chamber: in this way, interruptions during processing are limited, facilitating and speeding up sandblasting.



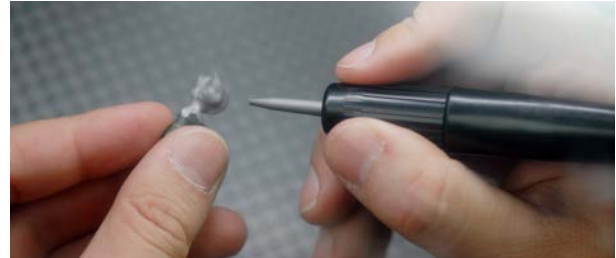
Fast and clean

A special protection system - a very thick seal and a suction kit (also double) lets you keep the surrounding environment clean at all times.



WORKS HARD. CONSUMES LITTLE.

Optimisation is nowadays a very important factor that has a direct impact on competitiveness. Optimisation means making use of efficient processes and machinery that also improve economic management of the laboratory. For this reason, when designing California, Zhermack **studied a machine capable of optimising the Total Cost of Ownership** - or rather everything spent to allow the machine to operate throughout its life cycle.



Abrasive material consumption: a pincer-tube system immediately blocks the air-sand flow when the operating pedal is released, providing **significant savings on sand** (all that which would otherwise have been used for discharge from the pneumatic system).

Worn components: The solutions utilised to ensure increased reliability - like for example the arrangement of pneumatic tubes directly in the sandblasting chamber or calibrated and constant tube cross-sections - require less maintenance, resulting in limited operating costs and greater operational availability of the sandblasting machine.

PINCER-TUBE SECTION



WITH PINCER-TUBE



ALL-ROUND SERVICE

For Zhermack, the purchase of equipment is the first step in a relationship with a dental office. It's not enough just to offer a reliable machine, but you need to stand by and support customers upon use and throughout the life of the machine. For this reason, Zhermack completes its offers with some very important services.

Warranty extended to 3 years: let Zhermack take care of it.

Zhermack offers a warranty extended to 3 years, a period during which the dentist has hassle free operation.



10 year availability of spare parts: operation guaranteed

Zhermack ensures the availability of all spare parts for at least 10 years, to offer peace of mind and a safe investment over time.



Always at your service

The technical support centre network trained directly by Zhermack allows for quick and competent responses directly in the user's language.



Replacement machines

The fleet of Zhermack courtesy machines is available both under warranty and after: further safety to limit reduced operation working days to a minimum.



TECHNICAL FEATURES

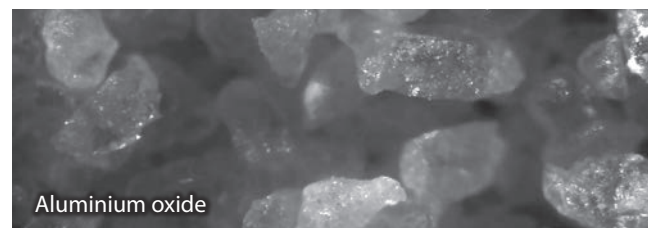
TECHNICAL DATA

Power supply voltage ⁽¹⁾	230 V ~ ± 10% 50/60Hz / 115 V ~ ± 10% 50/60Hz
Max absorbed power	50 Watt
Operating pressure	2 - 6 bar
Required input pressure	6 - 8 bar
Sand	25 µm - 250 µm
Tank capacity	1000 cc
Standard nozzle size	0.8 mm - 1.3 mm
Internal lamp consumption	14 Watt
Level of acoustic power	<70 dB

Version 2 cylinders 3 cylinders

Code	C305621	C305620
Height (cm)	43.5	49.0
Width (cm)	46.0	46.0
Depth (cm)	49.0	58.0
Empty weight (kg)	13	14

⁽¹⁾ Use of California in 115 V~ requires suction 115 V~ with adapter.



ACCESSORIES

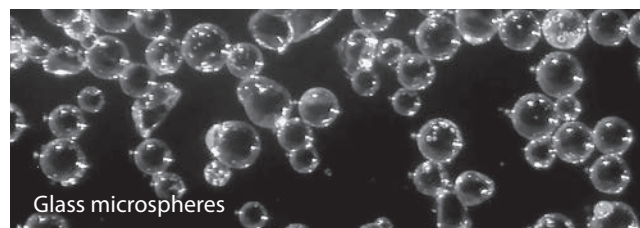
Code⁽²⁾

Short nozzle Ø 0.8	XH9930030
Long parabolic nozzle Ø 1.3 mm	XH9930041
Additional module (70 - 250 micron sand) ⁽³⁾	XR0061600
SAB Suction device 1000 230V~ ⁽⁴⁾	C305608
Double suction kit	XR0061550
Paper filters for SAB 1000	XI0990230
Aluminium oxide 50 µm, (box 5 bags 1 kg)	C308202
Aluminium oxide 90 µm, (box 5 bags 1 kg)	C308206
Aluminium oxide 110 µm, (box 5 bags 1 kg)	C308208
Aluminium oxide 125 µm, (box 5 bags 1 kg)	C308210
Aluminium oxide 150 µm, (box 5 bags 1 kg)	C308212
Aluminium oxide 250 µm, (box 5 bags 1 kg)	C308216
Glass microspheres 40 / 70 µm (box 5 bags 1 kg)	C308218
Glass microspheres 90 / 150 µm (box 5 bags 1 kg)	C308220

⁽²⁾ Order Code, to be used to order spare parts.

⁽³⁾ Complete unit of tank, cover, handle unit and instructions for "optional tank assembly".

⁽⁴⁾ Use of suction device 115V~ requires adapter.



STANDARD SUPPLY

Long parabolic nozzle Ø 0.8 mm (XH9900111) - Short nozzle Ø 1.3 mm (XH9930040) - Sandblasting gloves (XI0060070) - Glass protection sheet (XI0060725) - LED lighting protection sheet (XI0065261) - Extraflex 6/4 connection tube 1.5 m (XF0464130).



Fulfilling your needs

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