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Vapormatt | Oncilla



Applications

- Edge honing
- Post-coating surface treatments and polishing
- Pre-coating surface preparation
- Washing and cleaning

Round tool processing by wet blasting

Machine variations



Oncilla Cub



Offering one blast zone with basic cleaning makes the Cub ideal for edge preparation where a separate cleaning line is already available, or when batch sizes and quantities are smaller.



Oncilla



Supplied with a second blast chamber that can be set up with a different media, this model is perfect for those companies wishing to edge hone then immediately prepare the surface for coating to ensure maximum reactivity of the surfaces.



Oncilla⁺



Giving users a complete solution with wet blasting plus cleaning, washing and drying, the Oncilla+ is ideal for companies looking to prepare and clean tools for coating within the same machine.

Oncilla development



The Oncilla is a ground breaking wet blasting system for solid tools from Vapormatt. These new systems have a modular design allowing them to be used for edge preparation, surface activation and post treatment applications. The machines can accommodate round shank tools between **3-32mm (1 1/12-1 1/4") in diameter and 46-307mm (1 3/4 - 12") in length.**

As a robotic system, the Oncilla is able to increase repeatability

through enhanced monitoring systems and ensure reliability with its robust and prefabricated stainless steel cabinet. Offering single tool processing reduces the machine's overall footprint while the engineered access points **reduce noise (75dBA)** and cross contamination between process steps.

Having three core models the Oncilla's are **ready for Industry 4.0** and adaptable for a wide range of customers with varying capacities, batch sizes and cleaning standards. With proven process controls and an in-depth knowledge of wet blasting, users will be able to consistently achieve a high standard of finish, **improving tool life and quality.**

Blast gun innovations within the Oncilla give users **the ability to follow cutting edges and helical profiles.** This is achieved with patented micro nozzles delivering highly targeted blast streams to selected areas of the tools being honed.

In addition to the helix blasting, the micro nozzle is much more economical and quieter to run, giving great environmental benefits. When compared to other available nozzles, users can expect to **reduce their compressed air and running costs by up to 80%.**

With its flexibility the Oncilla range offers solutions for all customers' budgets and requirements.

Key features



Oncilla Cub



Oncilla / Oncilla⁺

Oncilla Cub

- Large touchscreen HMI
- Single blast zone
- Robust gantry robot
- Rinse station
- Drying station

Oncilla

- Large touchscreen HMI
- Double blast zone
- Robust gantry robot
- Rinse station
- Drying station
- Auto tool flipping
- Y-axis load conveyor
- Chemical dosing

Oncilla⁺

- Large touchscreen HMI
- Single blast zone
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- Auto tool flipping
- Y-axis load conveyor
- Chemical dosing
- DI rinse station
- Second gripper
- Slurry concentration sensor

Machine options*

- Micro nozzles for edge honing
- Helical following module
- Cutting edge identification
- MES integration
- Auto tool flipping
- Y-axis load conveyor
- Elutriation tower
- Slurry concentration sensor
- Abrasive dosing
- Chemical dosing
- Cover panels
- Status beacon

*not available on all models

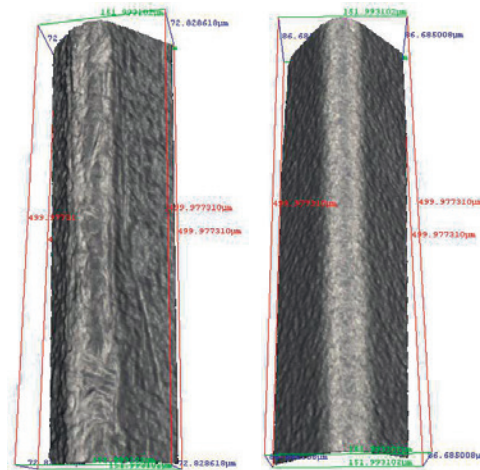
Vapormatt experience

Vapormatt has been active in the development of the wet blasting since our formation in 1978 and actively involved with wet blasting since 1946. We are a 4th generation family business and our machines are designed and manufactured in the British Isles.

Working directly or through channel partners Vapormatt supply automated and manual wet blast machines across the globe, our wet blast technology has been proven as a better alternative to many other technologies, making us the supplier of choice for many global tooling companies.

It is our practice to develop long term technical partnerships with our customers, this allows them collaborative access to our know-how and more importantly, our on-going core competence of wet blasting. We are sensitive to the requirement to develop certain methods in confidence and we have a variety of long term confidential partnership programs with key customers in a variety of high technology sectors.

Our expertise is nurtured through our focus on this single technology and our aim to be the world's leading wet blasting company.



Alternative process **versus** Vapormatt wet blast

Serval: Where service meets value

Serval is all about delivering the right service to you. It is a mechanism that uses our technical knowledge and experience to help you to maintain the quality, efficiency and reliability of your blasting processes. It can encapsulate all our support services into one complete and extensive package or a custom made single service can be tailored. Whatever is required it will be designed to fulfil your individual requirements. It offers great value for money and is wrapped up into one monthly payment.

Benefits

- Increased productivity
- Improved repetition
- Better control of processes
- Full service support
- Continued development
- Process development service
- Online portal
- Long term training and maintenance
- Software upgrades

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