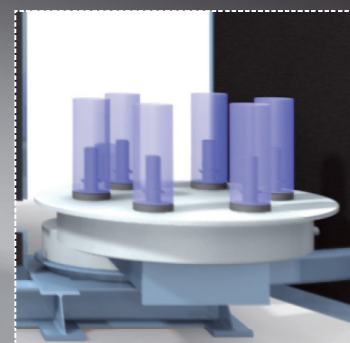
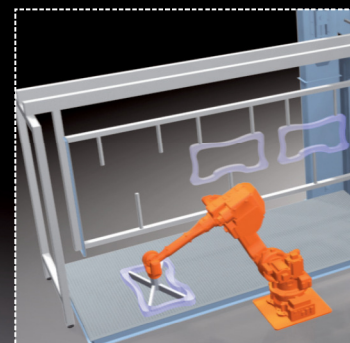
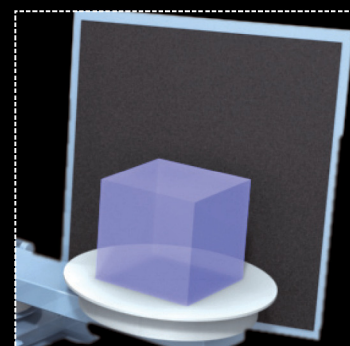
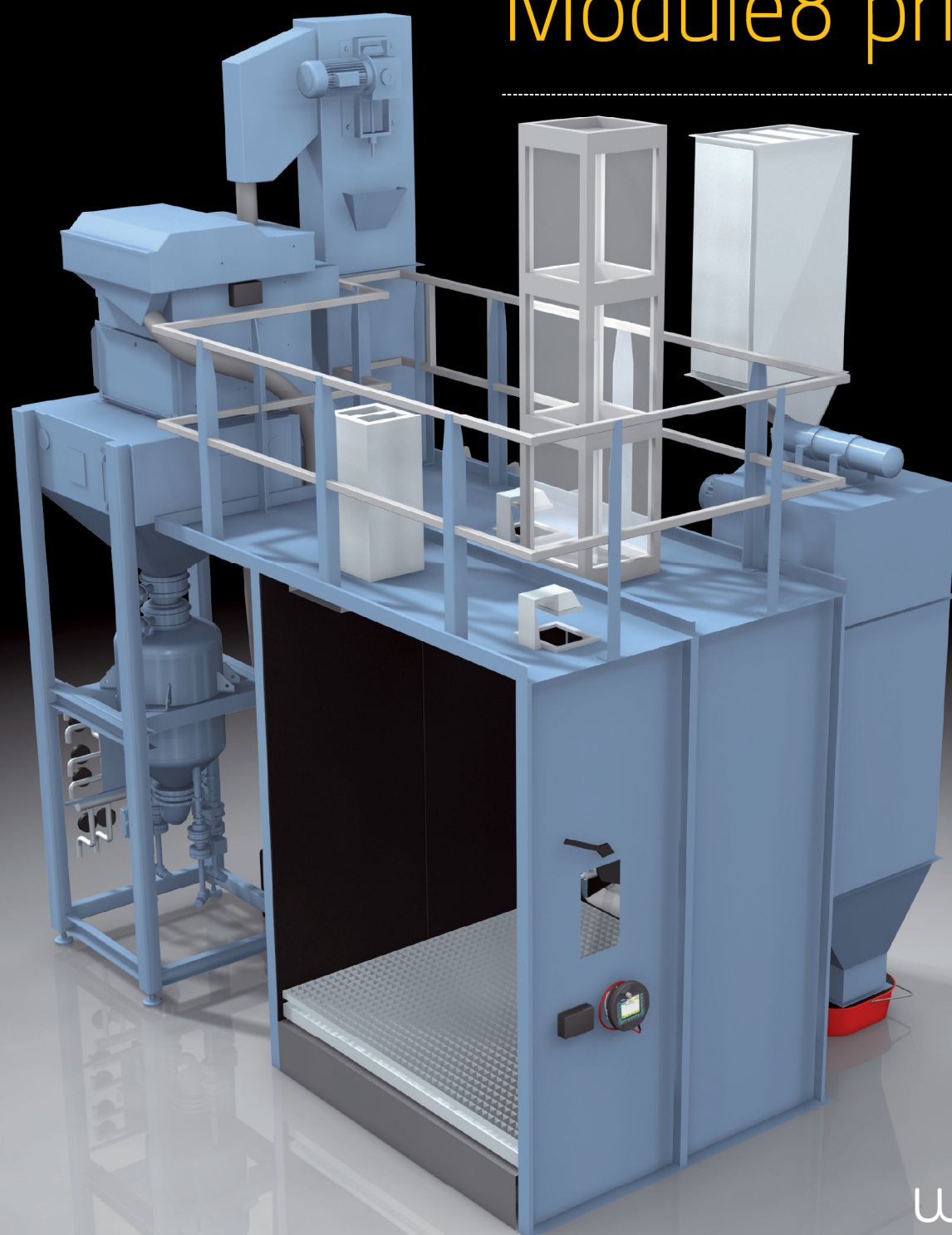




Module8 principles

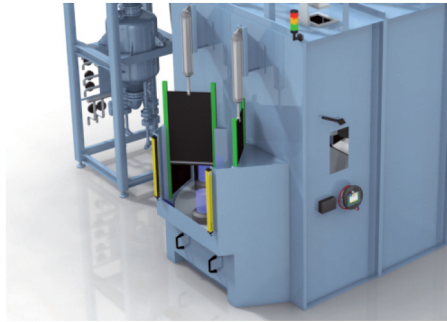


wheelabrator
shaping industry

Module8 principles



TT - Turntable machine



ST - Satellite machine



RG - Robot Gripper

Defining the right airblast machine is notoriously complex. Therefore Wheelabrator has developed a set of principles to ease the decision making process and ensure that the right solution is developed for the application.

As the leading technology company for surface preparation, Wheelabrator is able to design and develop this process known as Module8, due to the extensive experience and expertise held within the company.

Module8 is a set of eight principles defining the very core of Wheelabrator's airblasting business. Through understanding these eight principles the right solution for your application can be assured.

The 8 principles are as follows:

- Flexibility
- Wear reduction
- Ease of maintenance
- Safety
- Productivity reliability
- Process reliability
- Quality
- Short delivery times

All of which result in reducing your cost per part.

1. Flexibility

The Module8 concept guides customers through a flexible machine build which can be configured to the customers' initial requirements. This system enables customers to start with a small low volume process and without having to buy a completely new machine, the machine can "grow" with the customers business.

2. Wear reduction

The blasting cabinets by Wheelabrator are specifically designed to reduce the wear of the internals. For example the nozzle manipulators are on the roof of the machine which reduces their wear. The design of Module8 machines ensures that as few of the machines components as possible are inside the blasting cabinet or in the direct blasting zone.

3. Ease of maintenance

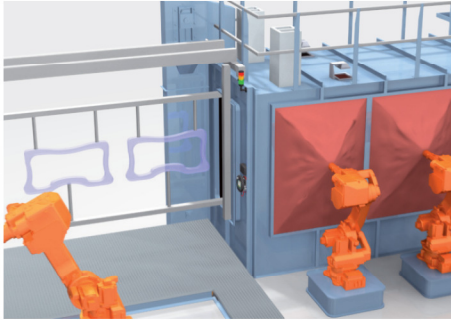
All machine components can be serviced from either ground level or the roof level.

The machine door is large enough that a service technician can physically get into the machine if needed, rather than reaching through small doors to fix or service parts. All of the components of the machine are fitted externally to further ease access & maintenance.

4. Safety

The Module8 range comes with a comprehensive set of safety features as standard. These include:

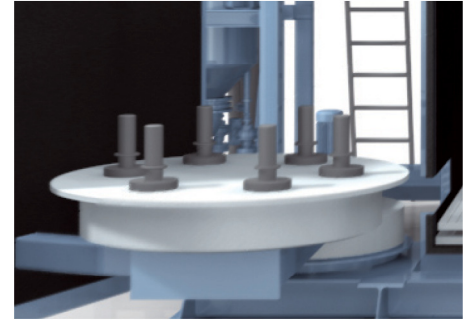
- The cabin is designed with safety in mind, as all components are fitted to the exterior of the cabin for ease of access & increased safety.
- There are multiple locations on the machine for the HMI panel so that the operator can function or close down the machine from multiple locations both on ground level and whilst on the roof of the machine.
- The machines are fitted with a "dead man" switch function – By pushing the dead man switch during service and maintenance work, the moving machine components can be safely serviced



FM - Frame machine



DL - Pass Through machine



ST- Satellite machine

5. Machine capability

The Module8 process has been developing and evolving for almost a decade with continued improvements through testing. The reliability of the machine and its components are unparalleled. The Module8 range can be found in many industries, it has been running consistently in the automotive & aerospace industries, where the machines have proven capabilities functioning at high volume production over multiple shifts.

6. Process reliability

The Module8 machines are fitted as standard with an automatic control system. This system regulates air pressure, media flow and the air blast nozzles. In combination with the PLC controls the blasting parameters are automatically controlled and adjusted accordingly, with the need for human interaction. Secondly the control system for the media is also very important. The Module8 system not only regulates the flow of the media entering the blast machine, but also the quality and mix of the media. The air wash

system and sieving units pass the media through multiple stages to ensure only the correct mix & quality of media returns into the blasting process.

7. Quality

The Module8 range prides itself on delivering a continued improvement programme. Each component is tested and re-tested to ensure the highest quality output – Wheelabrator Quality. The suppliers that Wheelabrator work with are important to achieving the quality of the Module8 product range. These partnerships have therefore been developed over many years ensuring that the parts supplied are to the highest quality standards and work consistently well with the Module8 product range.

8. Short delivery times

The modular process of the Module8 range follows a set of standardised guidelines which result in quicker delivery time to the final customer. This modular process also means that many components for the machines are

repeatedly built which enhances quality. The simplicity of the Module8 range also means that they can be manufactured at any of our global factories –ensuring customers have the best Wheelabrator quality whilst benefitting from locally sourced machines with speedy delivery times.

The Module8 range consists of 5 machines:

TT – Turntable Machines

ST – Satellite Machines

FM – Frame Machines

RG – Robot Grippers

DL – Pass Through Machines



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Norican Group is the parent company of DISA and Wheelabrator.

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