

### Multifunctional application Robot Gripper for wheelblast and airblast technology

When planning a new processing line for the automotive and aircraft industries, fully automatic blast machines are becoming the central focus. Besides automation, a flexible and efficient production process across all parameters is desired. For wheelblast and airblast technology, Wheelabrator Group provides Robot Gripper blast machines which can be easily integrated into customers' production control systems. The Robot Gripper is applicable for both loading and unloading and for workpiece manipulation. This type of blast machine can also easily be integrated into linked workstations.

#### Three-dimensional workpiece manipulation

For sophisticated production lines, Wheelabrator provides Robot Gripper blast machines with a patented docking station which allows a three-dimensional workpiece manipulation within the blast chamber. Research has shown that the Robot Gripper can take the workpiece from a fixed pallet or feeding belt and enter it into the blast chamber using the mobile Robot arm, where it can be blasted under fixed nozzles. Due to the complete sealing of the blast chamber neither dust nor other residues from the blast process can escape from the Gripper or the sluice.

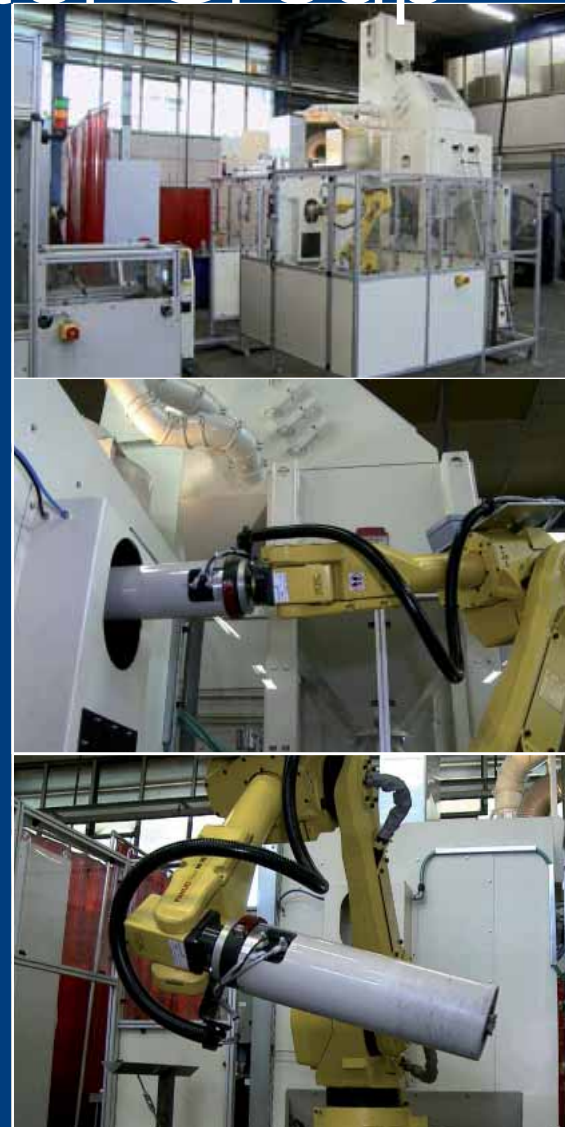
#### Easy integration

After the blasting process, the workpiece can be cleaned from any abrasive residues by using compressed air. In the case of complete automation, the workpiece manipulation is performed without personnel, i.e. the loading and the unloading of the blasted workpiece is completely automatic. On customer's request, personnel for optional control purposes can be provided in this working process. The customer can determine a timely control interval and customise their process. The Wheelabrator Robot Gripper can easily be integrated in existing or customer planned production control systems, so that a flexible solution can be achieved according to the customer's wishes. The Wheelabrator Robot Gripper machine is also available in a more compact version with a simple workpiece manipulation allowing the workpiece to be turned and moved in an additional direction. The use of this flexible and efficient Robot Gripper blast machine is determined by the respective production process and the individual customer requirements. The Wheelabrator Group service range includes consultation regarding the production process as well as the supply of spare parts and specific abrasives.

Please contact our Technology teams for further information about the Wheelabrator Group blasting solutions:

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#### Advantages of the Wheelabrator Group Robot Gripper blast machines:

- suitable for the **wheelblast and airblast technology**
- can be easily integrated in customers' production control systems
- high automation grade achievable
- workpiece loading/unloading and manipulation possible
- applicable in linked workstations
- Option: three-dimensional workpiece manipulation or the compact version with simple workpiece manipulation
- wide service range for the After-Sales-Market