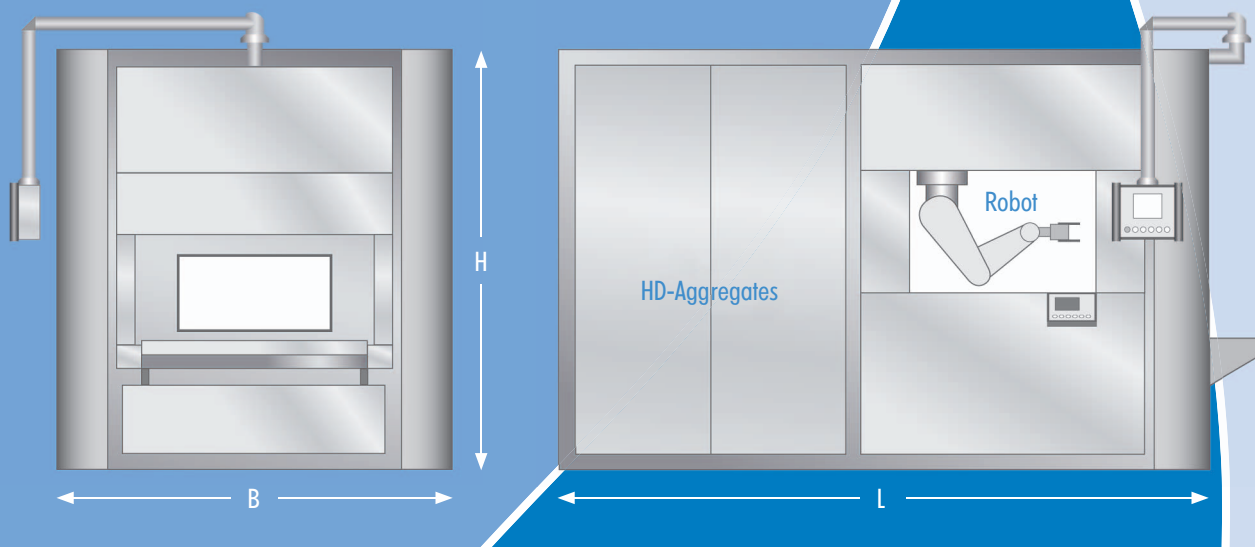




REZ Robot Deburring Cell



- The flexible robot deburring cell has been developed for the deburring and cleaning of parts with a technologically complex geometry such as deep bore overlaps and blind bores.
- By using a custom-built industrial robot (additional sealing measures) we can meet the highest requirements of both maximum positioning accuracy and flexibility.
- Several deburring tools can be pre-mounted in a deburring chamber so that for changeover the operator only needs to select a program at the operator control panel.
- The high kinetic energy of the water jet results in an unforeseen and unparalleled cleaning effect - almost without the use of chemicals.
- Corroding of parts is prevented by using a minimum dose of chemicals.
- Like in all other Silberhorn machines, all machine parts are made of stainless steel.



REZ Robot Deburring Cell

In the table you can find the main types of the Robot Deburring Cell as well as the main technical specifications


	REZ 1	REZ 2	REZ 3
Size (W x D x H)	4.100 x 2.300 x 2.400 mm	4.100 x 2.500 x 2.800 mm	5.500 x 3.000 x 3.000 mm
Tank volume	1.000 liters	1.500 liters	2.000 liters
Deburring tools	max. 4 units	max. 5 units	max. 6 units
Type of deburring tools	as required	as required	as required
Max. deburring pressure	2.000 bar	2.000 bar	2.000 bar
Robot type	ABB / Kuka / Stäubli	ABB / Kuka / Stäubli	ABB / Kuka / Stäubli
Max. robot load	12 kg	25 kg	60 kg
Type high-pressure pump	Hammelmann / Uraka / Wepuko	Hammelmann / Uraka / Wepuko	Hammelmann / Uraka / Wepuko
Power high-pressure pump	as required	as required	as required

Subject to technical changes

Component parts

- Subsequent cleaning unit
- Filtration unit: bag filter, candle filter
- Control cabinet made of stainless steel
- Fully automatic feeding and discharge unit
- Exhaust units made of stainless steel
- Cooling unit for high-pressure agent
- Drying modules (hot air, vacuum)
- Gravity oil separator
- mechanical deburring tools

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