

Questionnaire

Company:

Project title:

- Parts cleaning center
 Parts cleaning system
 General Interest
 Chemistry

Parts to be cleaned													
Name and usage of the parts													
Material	<input type="checkbox"/> stainless steel <input type="checkbox"/> steel <input type="checkbox"/> aluminum <input type="checkbox"/> copper <input type="checkbox"/> brass <input type="checkbox"/>												
Quantity share of materials estimated in percent [%]													
Geometry	<input type="checkbox"/> holes <input type="checkbox"/> blind holes <input type="checkbox"/> parts which take liquid <input type="checkbox"/> parts with narrow columns <input type="checkbox"/> holes with a small diameter <input type="checkbox"/>												
Size The dimensions of your smallest and your biggest part	smallest part: biggest part :												
Weight The weight of your smallest and your biggest part	smallest part: biggest part :												
Quantity (throughput) How many parts should be clean in one hour													
Contamination													
Type of contamination (safety data sheet of contamination)	<input type="checkbox"/> oil <input type="checkbox"/> coolant emulsions <input type="checkbox"/> polishing paste <input type="checkbox"/> swarfs <input type="checkbox"/> dusts <input type="checkbox"/> fibers <input type="checkbox"/> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 70%;">name</th> <th style="width: 30%;">usage</th> </tr> </thead> <tbody> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> <tr><td> </td><td> </td></tr> </tbody> </table>	name	usage										
name	usage												
Status of the contamination for example fresh or dried	<input type="checkbox"/> fresh <input type="checkbox"/> dried <input type="checkbox"/>												
Quantity of the contamination													
Quantity share of contaminations estimated in percent [%]													

Questionnaire

Technical cleanliness	
Max. particle size / particle quantity	
Surface energy	
Other requirements	
Detergent	
Cleaning agent Do you already have a cleaning agent which you want use? Do you have special guidelines in your company?	
Corrosion protection (for steel parts) How long do you need a protection? Do you have special requirements in your company?	<input type="checkbox"/> no corrosion protection <input type="checkbox"/> < 24 hours <input type="checkbox"/> < 1 week <input type="checkbox"/> < 6 weeks <input type="checkbox"/> longer
Current situation	
How do you clean your parts at the moment?	cleaning agent: plant manufacturer: cleaning method (e.g. clean 1, rinse 2, corrosion protection 3, vacuum drying 4):
What disturb you at the cleaning solution?	
Do you reach current the cleanliness?	
Process	
Preprocess Please tell us the processes which you will do before the part cleaning.	
Follow-up process What will happend which the parts after the machine clean them?	
Shift model In how many shifts will you clean?	
Product carrier Do you already have product carriers or wash boxes where you could put the parts in?	
Drying Should the machine also dry the parts?	
Space How much space do you have for the machine?	
Other requirements/ hints:	