

	RES	TOT
12	10535	
9	10224	
	10448	
	10769	
	11245	
	12296	
	0321	
	293	
	76	
	59	

	ARL	CFT	T
49		A	1
18329		A	10
486		A	10
1938		B	10
19		A	101
185		A	101
19		A	1010
993		A	1010
123		B	1011
4		A	10100



# FMECA

PREVENTIVE AND  
RELIABLE.

# FMECA

A failure mode, effects and criticality analysis (FMECA) analyzes all the components of your Uhlmann machine or line, assesses the probability of their failure, and defines preventive measures. In addition, our experts reliably ascertain the spare parts requirements of your Uhlmann machines. A cost-benefit assessment is also carried out and we define a spare parts inventory

strategy based on replacement times. This means that you have the right number of the right spare parts available for immediate use. The findings established by the FMECA form the basis for maintenance planning tailored to your production and machine environment. The outcome: you remain that vital step ahead of a machine standstill.

## SIX ISSUES, NUMEROUS QUESTIONS. OUR ANSWER: FMECA

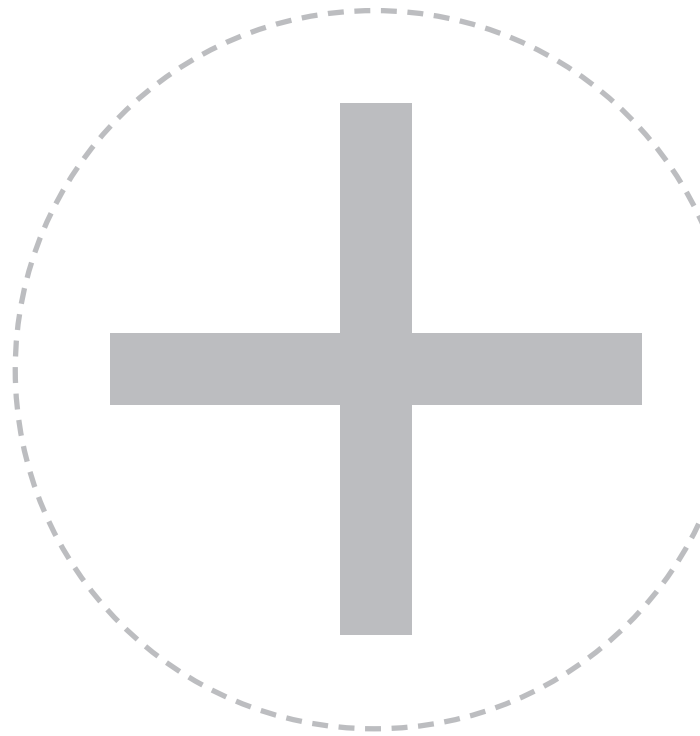
- 1 Spare parts inventory**  
 Which parts need to be stocked in which numbers? Which of these pose a possible risk and how can this risk be minimized? What annual costs are involved?
- 2 Maintenance**  
 Which machine components have to be cleaned and lubricated? What cycles are involved here? How can the components be reset to their original state?
- 3 Servicing**  
 How are servicing intervals calculated? Can a service be carried out internally or is the assistance of an Uhlmann technician necessary? How is a comparison of the actual and target state carried out?
- 4 Repairs**  
 Which parts can be exchanged by company personnel and which require an Uhlmann service technician? How can full functionality be regained?
- 5 Calibration**  
 Which intervals must be adhered to and which components need calibrating?
- 6 Training**  
 What qualifications are required for in-house personnel to carry out maintenance measures? Which Topman Training modules are suitable in this respect.



## FMECA

### YOUR BENEFITS

- Avoidance of downtimes in advance on the basis of regular and preventive maintenance.
- Improved machine reliability and effectivity.
- Continuous, correct, and GMP-compliant operation of your machines and lines according to national and international specifications.
- Completion of maintenance and repair measures with due regard to economic aspects.
- Reliable budget planning and full cost transparency at all times.



### ACTIVE SPARE PARTS MANAGEMENT

You wish to go one step further? Find out about our active spare parts management for inventory optimization. We undertake regular optimization of the inventory for your machines in four stages or offer machine-related spare parts packages for your new Uhlmann machines.  
[www.uhlmann.de/en/spare-parts-management](http://www.uhlmann.de/en/spare-parts-management)

Learn more about  
Uhlmann Customer Services.  
<https://www.uhlmann.de/services>

THE **HEARTBEAT** OF PHARMA PACKAGING

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