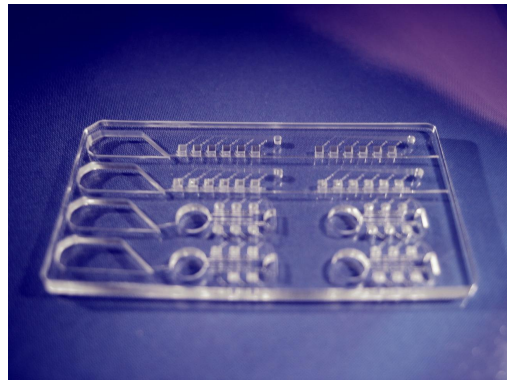



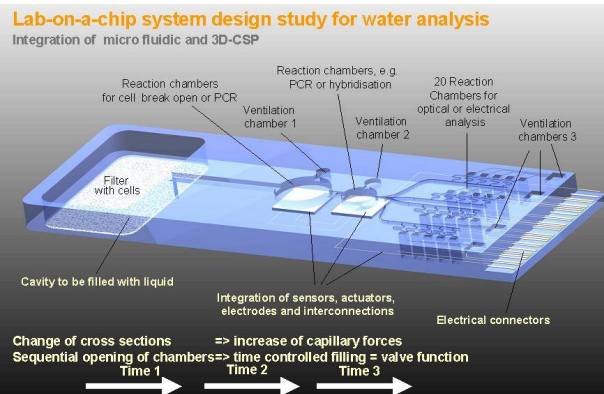


## RM case study

Case name	<b>Micro-fluidic chips</b>		
Dimensions in mm (L x W x H)	L = 37 B = 20 H = 3 mm		
Application	Lab-on-a-chip systems		
RM process	RMPD®-mask (5´´-14´´), -multimat,		
Software	SolidWorks, FlowWorks		
System	RMPD® system		
Material	Hydrophilic/hydrophobic materials		
Lead time (hours/days)	10.000 pcs. in 3 weeks		
Costs	Typically 10 – 100 € @ 1000 pcs		
Surface finish	Ra < 1 µm		
Mechanical properties	PMMA like		
Thermal properties	For example 120°C for PCR cycling, sterilisation etc		
Any additional info	Intrinsic hydrophobic and hydrophilic materials can be combined with the same chip or system/ special capping without glueing (covalent binding)		
Contact info	Name	Götzen, Reiner	
	Organisation	microTEC Ges. f. Mikrotechnologie mbH	
	Website	<a href="http://www.microtec-d.com">www.microtec-d.com</a>	
	Email	<a href="mailto:goetzen@microtec-d.com">goetzen@microtec-d.com</a>	
	Telephone	++49 203 306 2050	
			
<b>Mobile units to serach for toxic substances</b>			
			
<b>High through put tests to determine efficiency of new pills</b>			