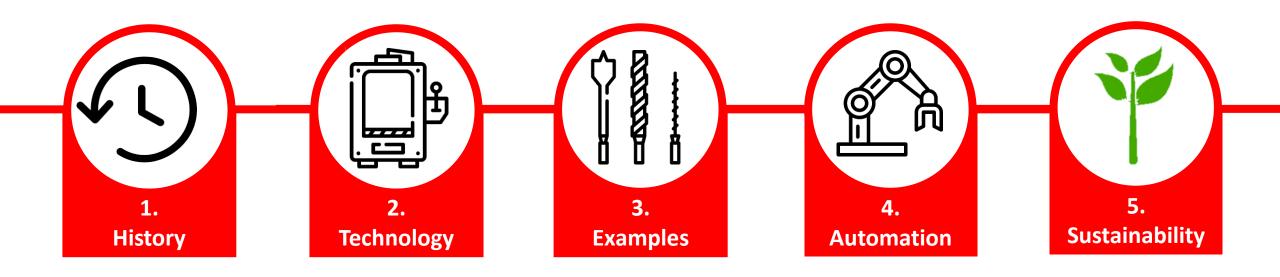
"Laziness is the mother of innovation"

Agatha Christie







2018

Internship Jonas Münz
Project: "Jugend forscht"*



May 2019

Founding ultraTEC
Winner: "Jugend forscht"*



Oct. 2019

Introduction of first prototype



Jul. 2020

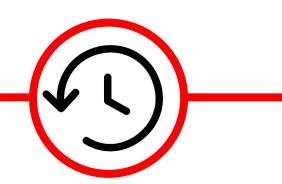
First machine delivery



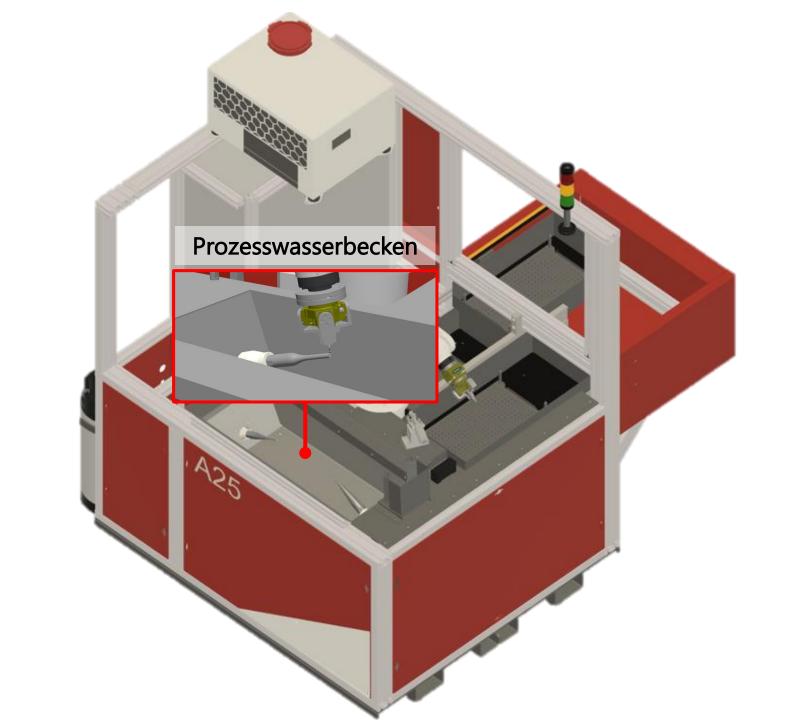
Jul. 2022

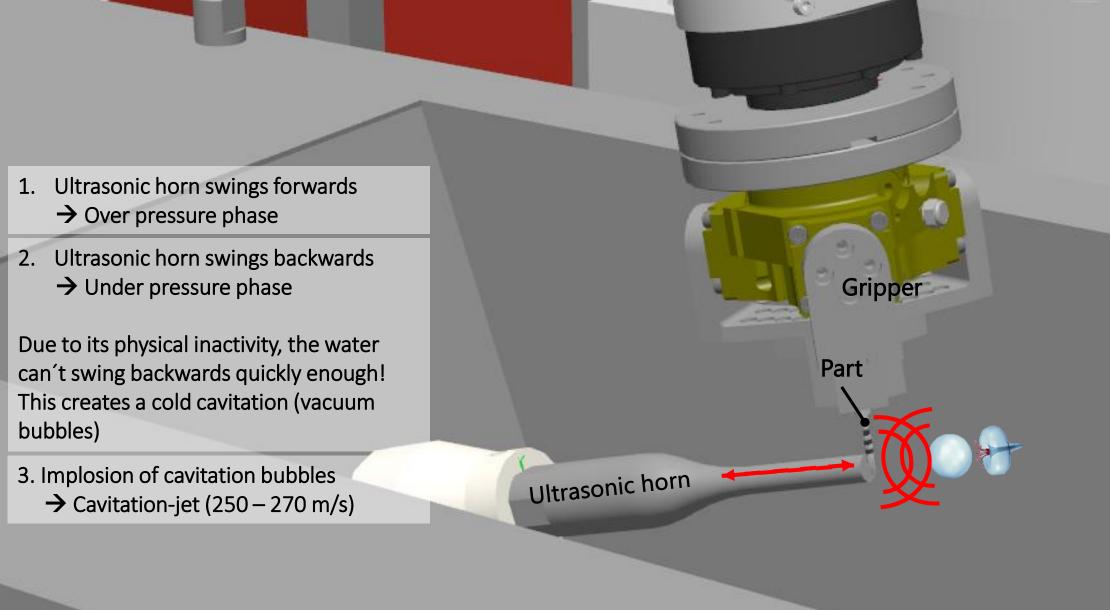
ultraTEC becomes parts of the VOLLMER-Group

^{*&}quot;Jugend forscht" = National competition for young researcher









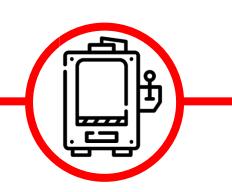


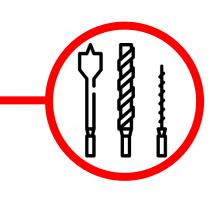


- Very short distance (0.3 0.7 mm)
- Defined angle
- 2. Due to this discontinues jet / current the burrs is starting to oscillate / swing
- 3. Burr breaks off from the part→ sharp but burr free edge

Part Ultrasonic horn

Ultrasonic horn



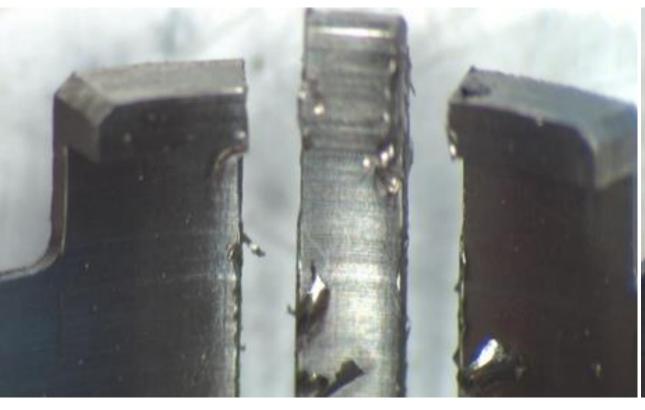


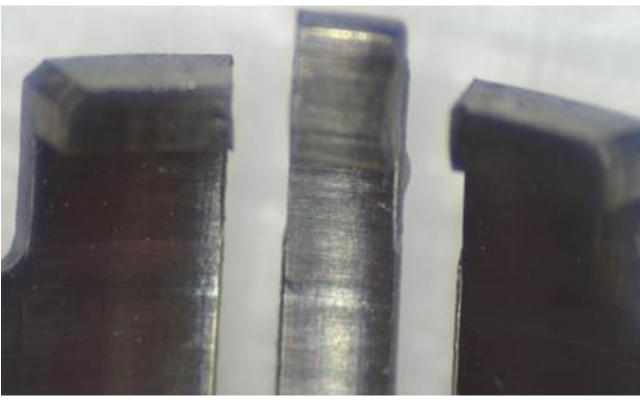






Part:	Medical implant screw made of TiAl6V4 (titanium grade 5)		
To deburr:	Cross bores Ø1,2mm and the cutting edges		
Others:	"Jugend forscht" project from Jonas Münz / Jakob Rehberger		

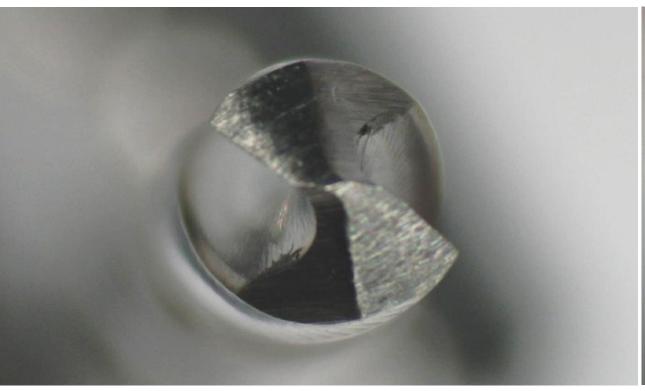


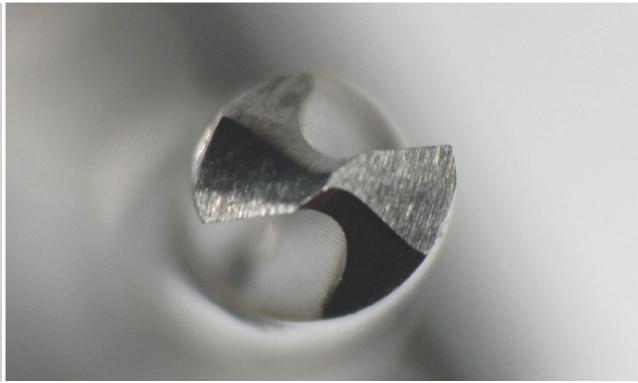


Part:	Medical instrument made of TiAl6V4 (Titan Grade 5)	
To deburr:	Edges	
Others:	-	



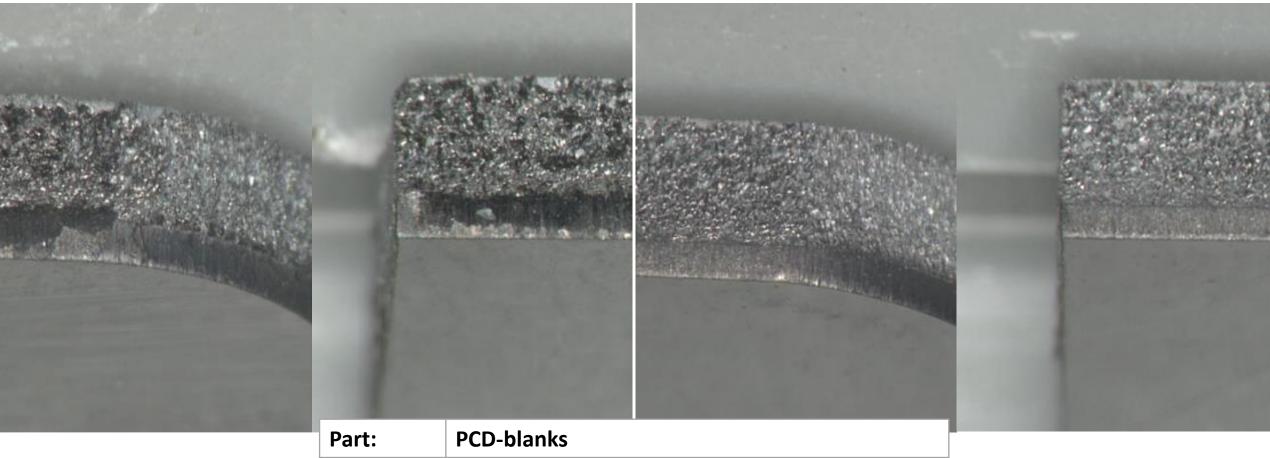
Part:	Body of a PCD radius cutter	
To deburr:	Inner cooling bores (cross-bores)	
Others:	This process can be seen in our machine at the Vdays!	





Part:	HSS drill Ø 3,5mm	
To deburr:	Cutting edges on top / side	
Others:	-	





Part: PCD-blanks

To deburr: Cleaning PCD-blanks after laser cutting

Others: autom. alternative to manual glass bead blasting

