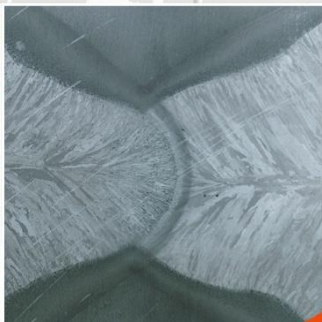
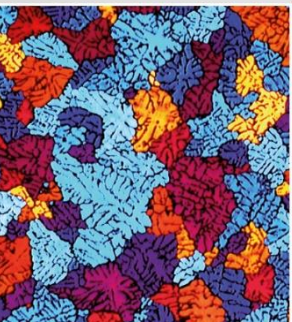


Application lab report

Cutting 7 different samples with Qcut 150 A



QATM-Preparation method

Objective:

Seven different samples have been received. All samples should be separated at the marked area with the Qcut 150 A. Detailed parameters and pictures follow in the report.

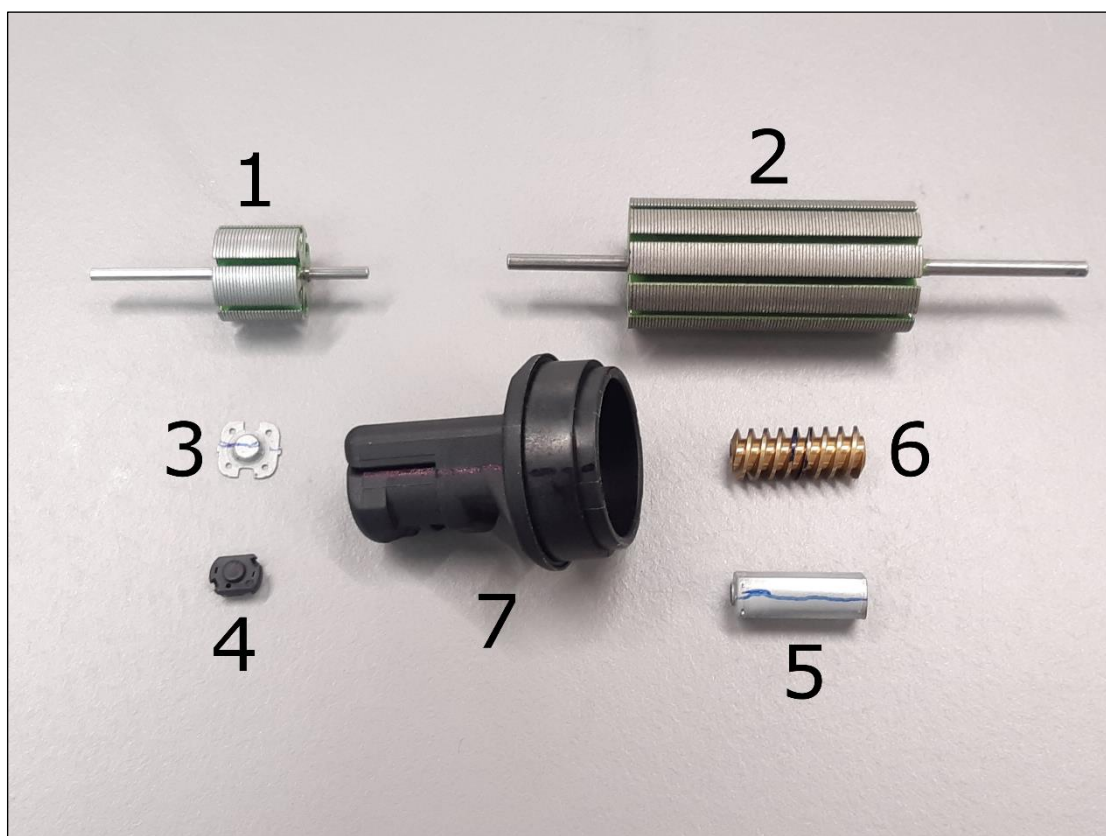


Figure 1: Overview of all samples.

QATM-Preparation method

Cutting

 Cutting			
Device	Cut-off disc	Anti-corrosion coolant	Clamping tool
Qcut 150 A	Sample 1-5 92002770 Sample 6-7 92004155	QATM Cool Cut	- Mini vice (Z1870054) - Adapter with ball joint (Z1870058) - Flange ø 99 mm (Z1870051)
Cutting method			
Vertical cut (Y-axis)			
Parameters			
Feed speed	Pulse parameter	Cut-off disc rotational speed	
Sample 1-3, 5 0,08 mm/s Sample 4 0,05 mm/s Sample 6-7 0,06 mm/s	Without Pulse	Sample 1-6 2500 RPM Sample 7 2000 RPM	
Notes			

QATM-Preparation method Sample 1

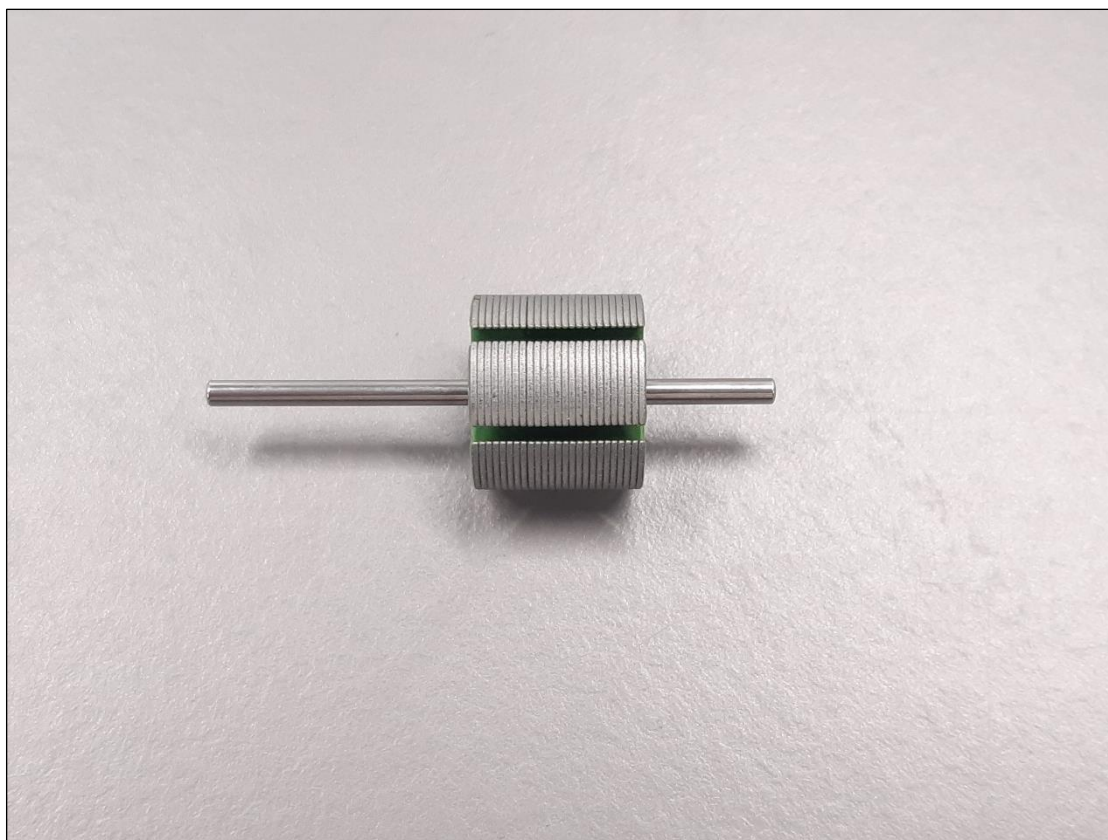


Figure 2: Overview sample 1.

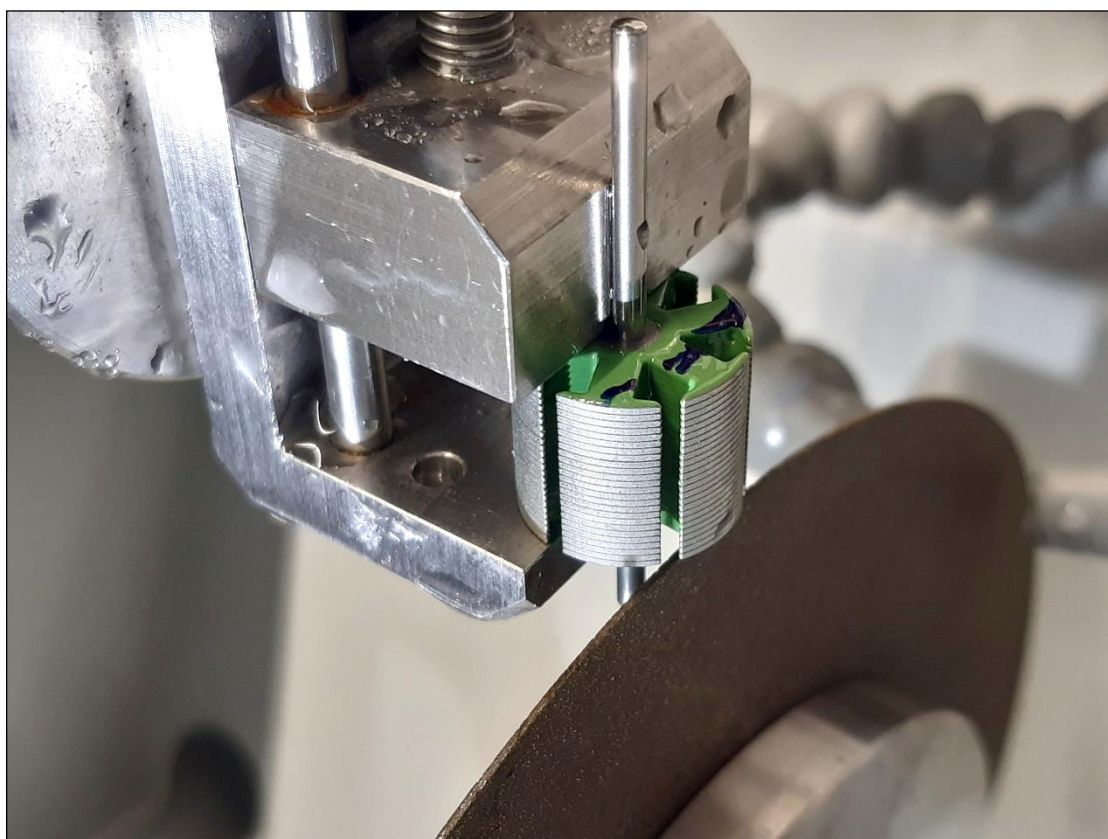


Figure 3: Sample 1 before cutting.

QATM-Preparation method Sample 1

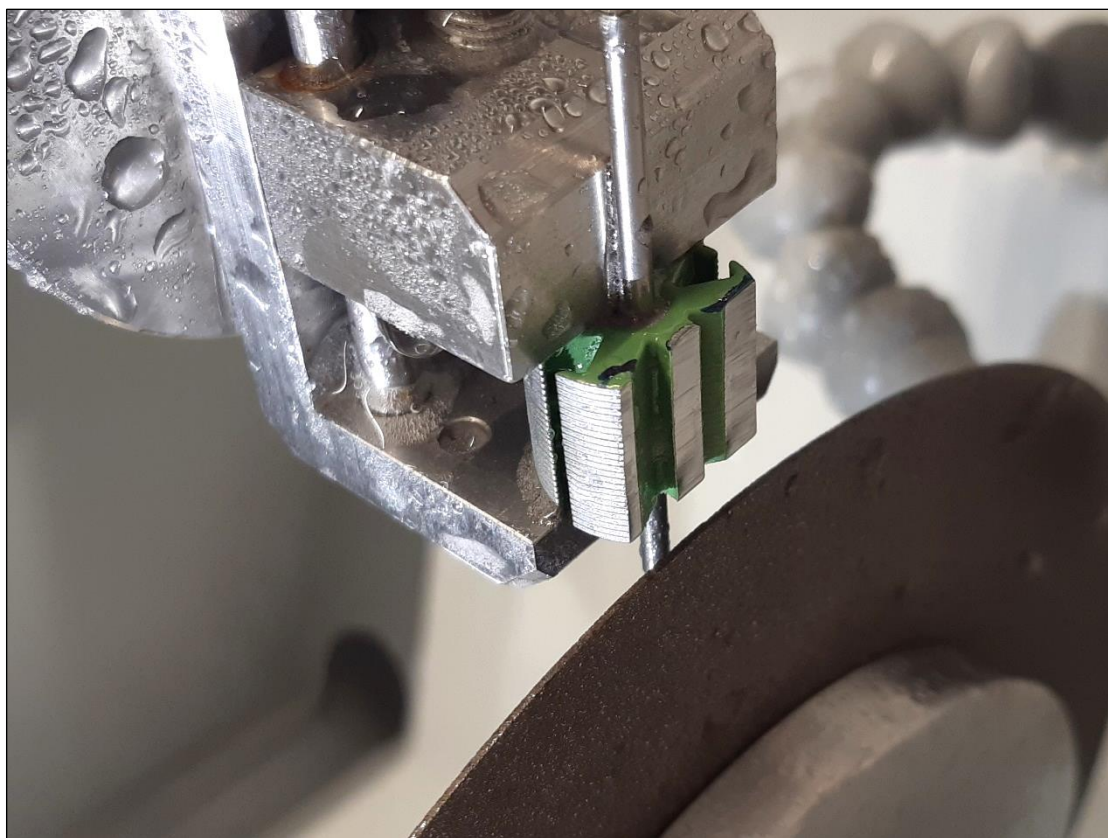


Figure 4: Sample 1 after cutting.

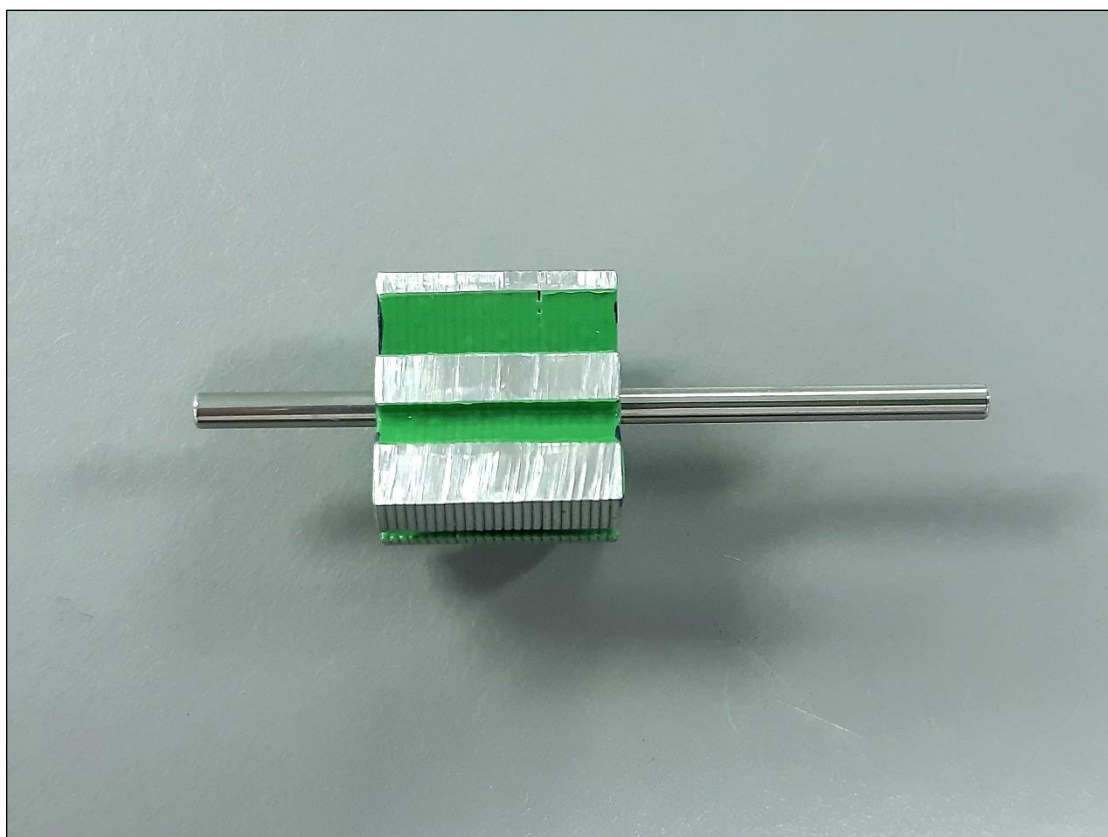


Figure 5: Sample 1 after cutting.

QATM-Preparation method Sample 2

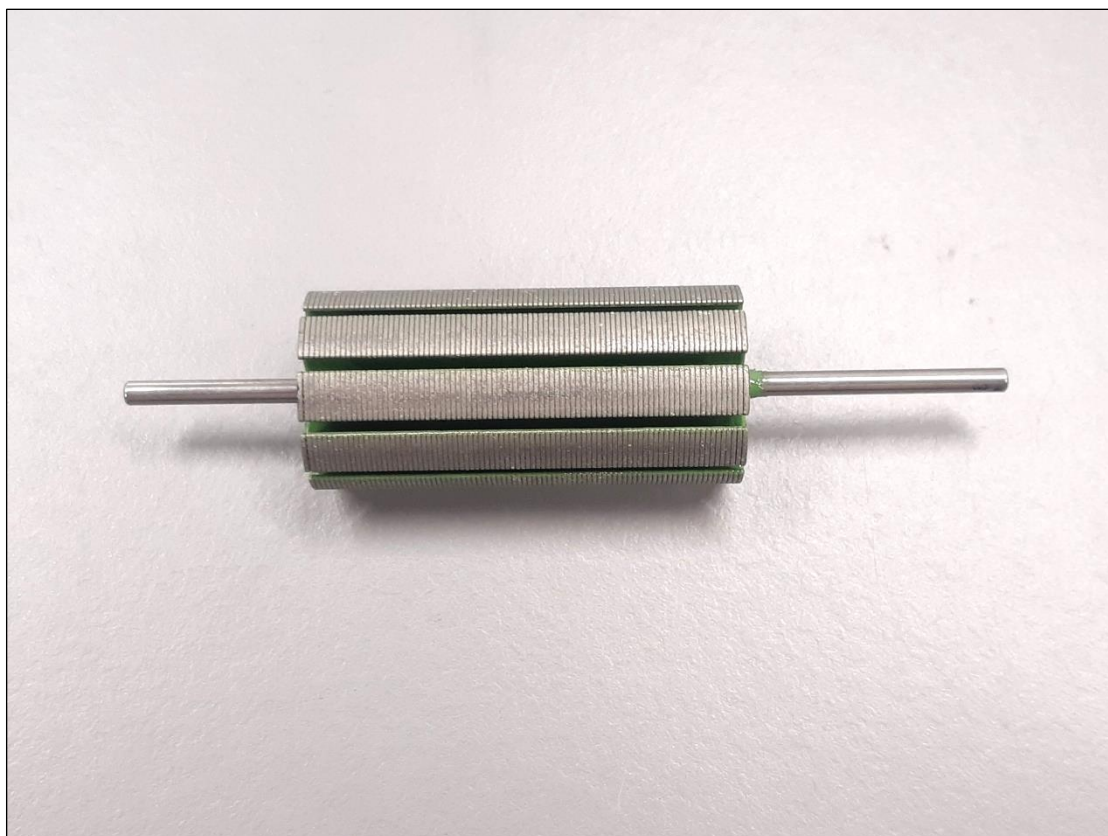


Figure 6: Overview sample 2.

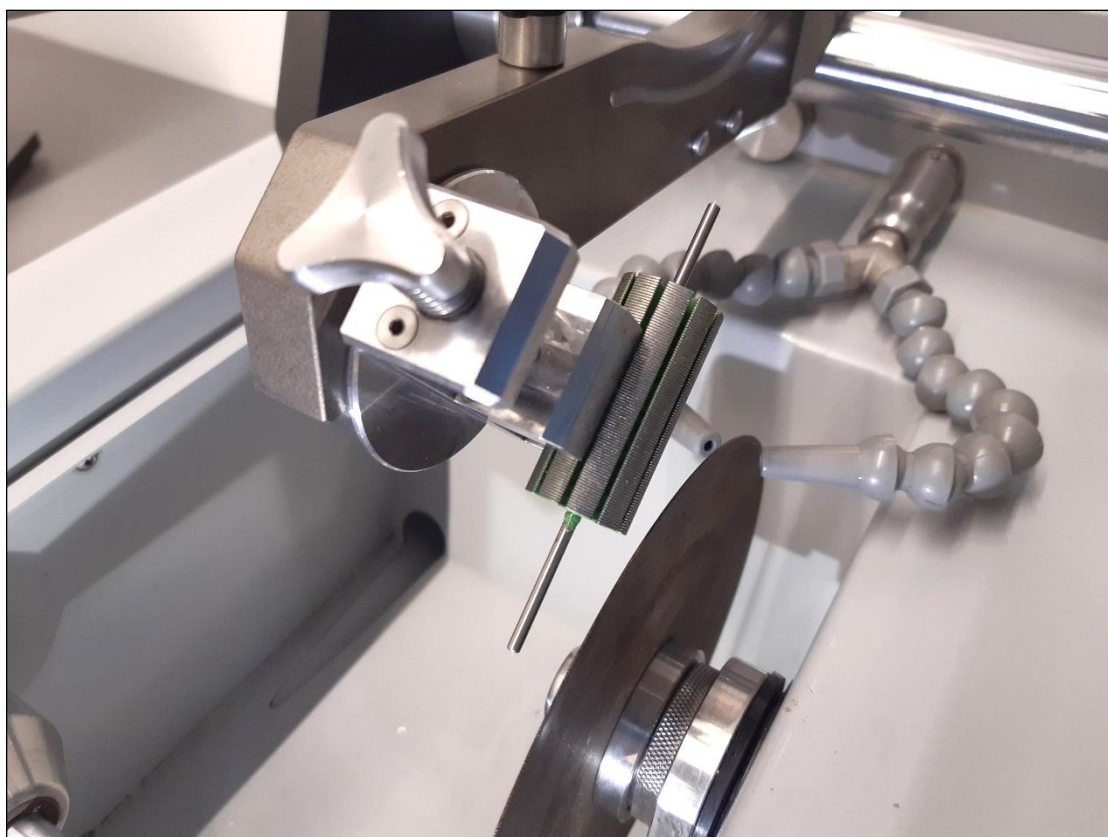


Figure 7: Sample 2 before cutting.

QATM-Preparation method Sample 2

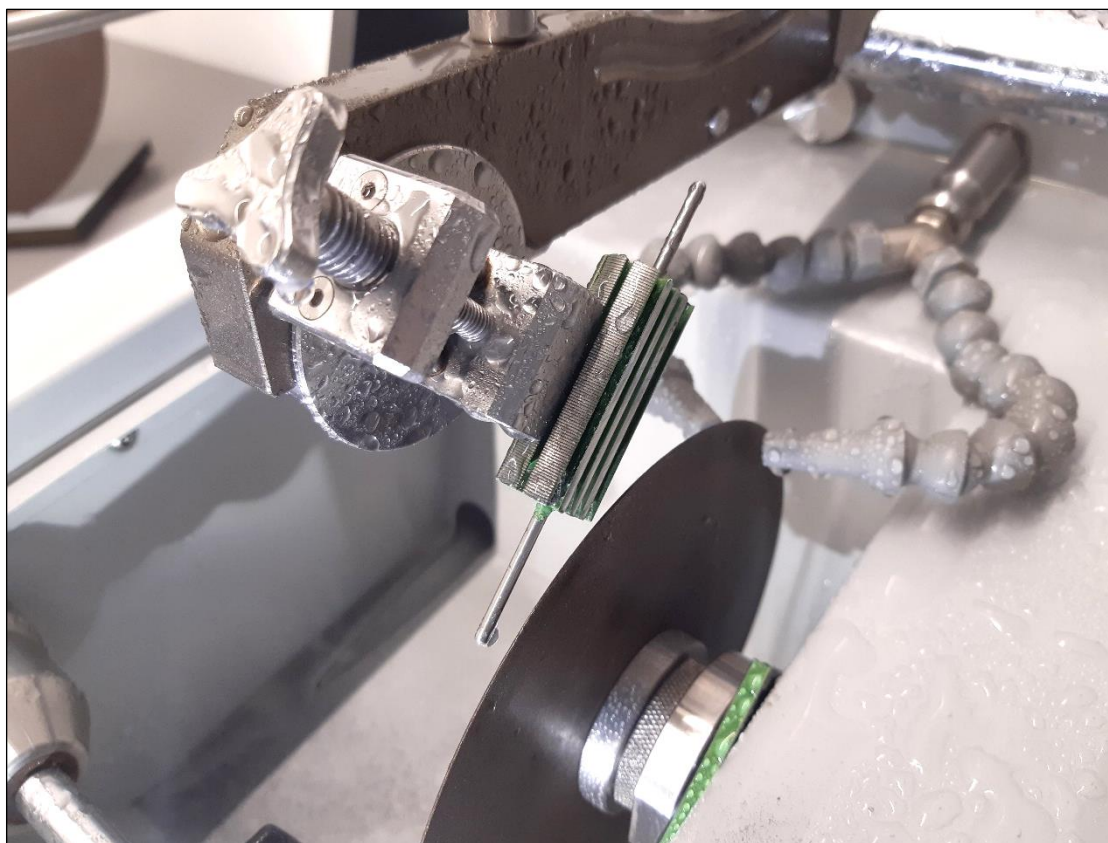


Figure 8: Sample 2 after cutting.

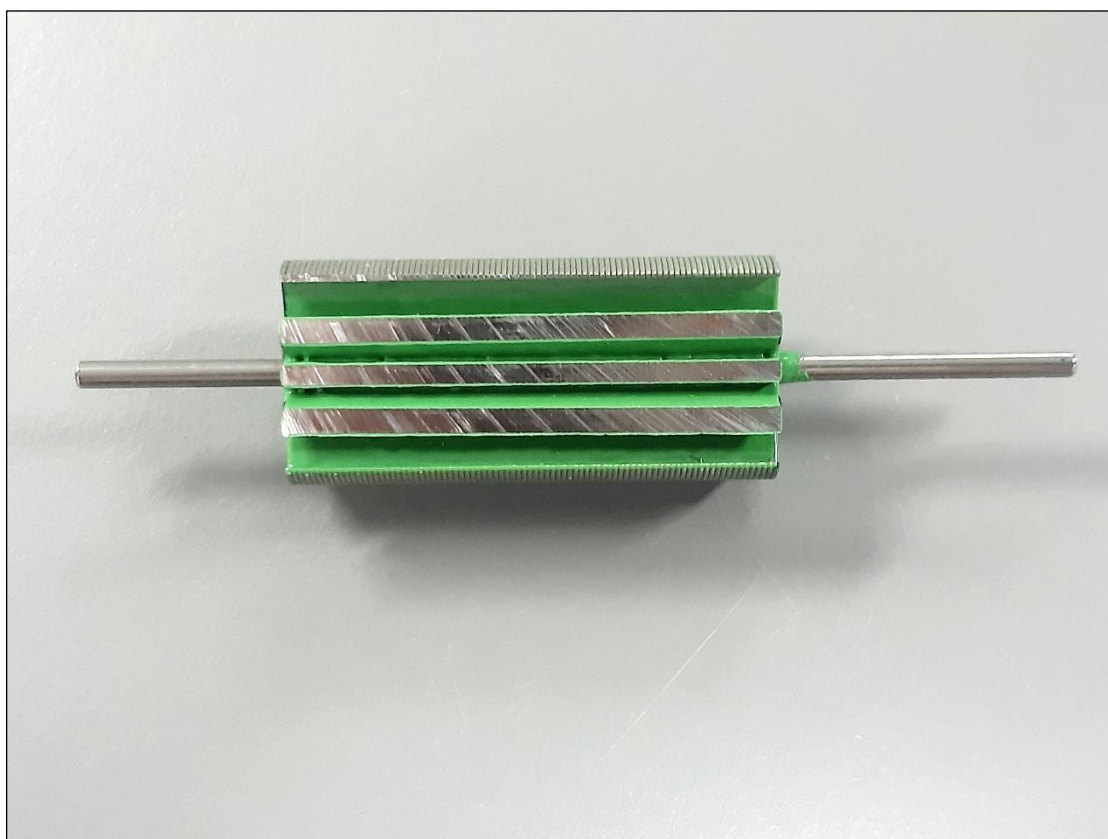


Figure 9: Sample 2 after cutting.

QATM-Preparation method Sample 3



Figure 10: Overview sample 3.



Figure 11: Sample 3 before cutting.

QATM-Preparation method Sample 3



Figure 12: Sample 3 after cutting.

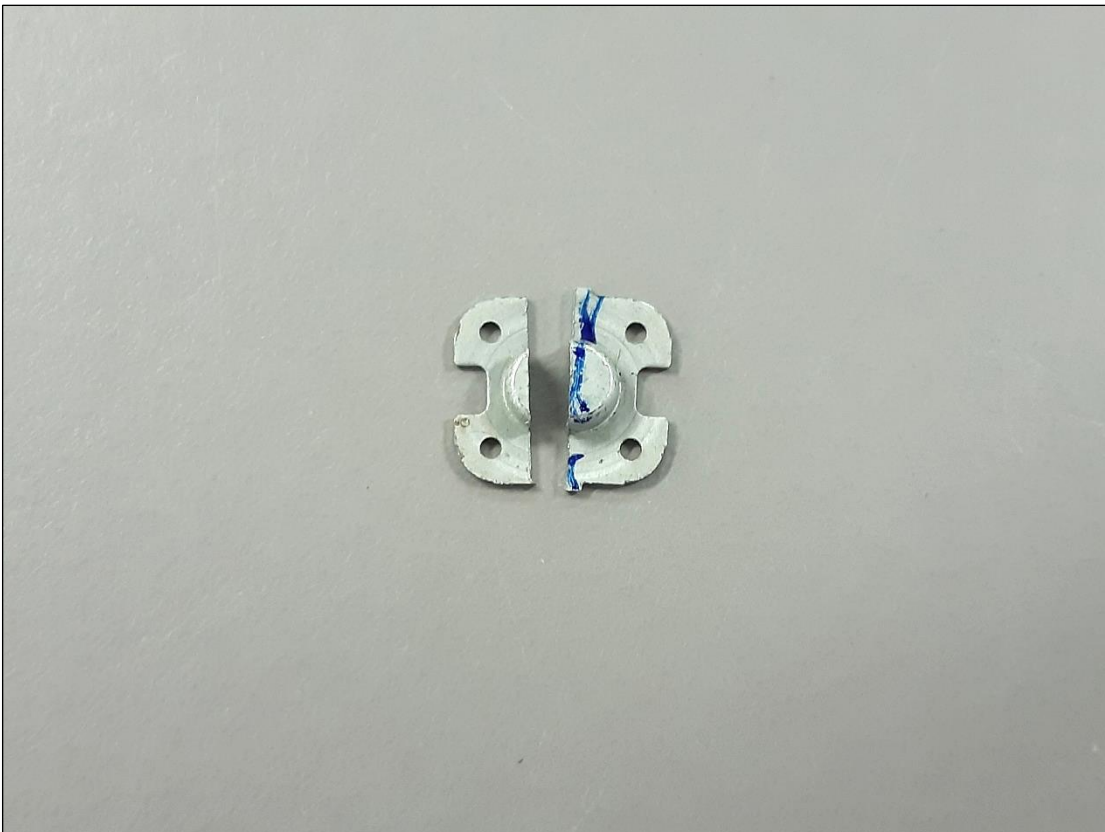


Figure 13: Sample 3 after cutting.

QATM-Preparation method Sample 4



Figure 14: Overview sample 4.

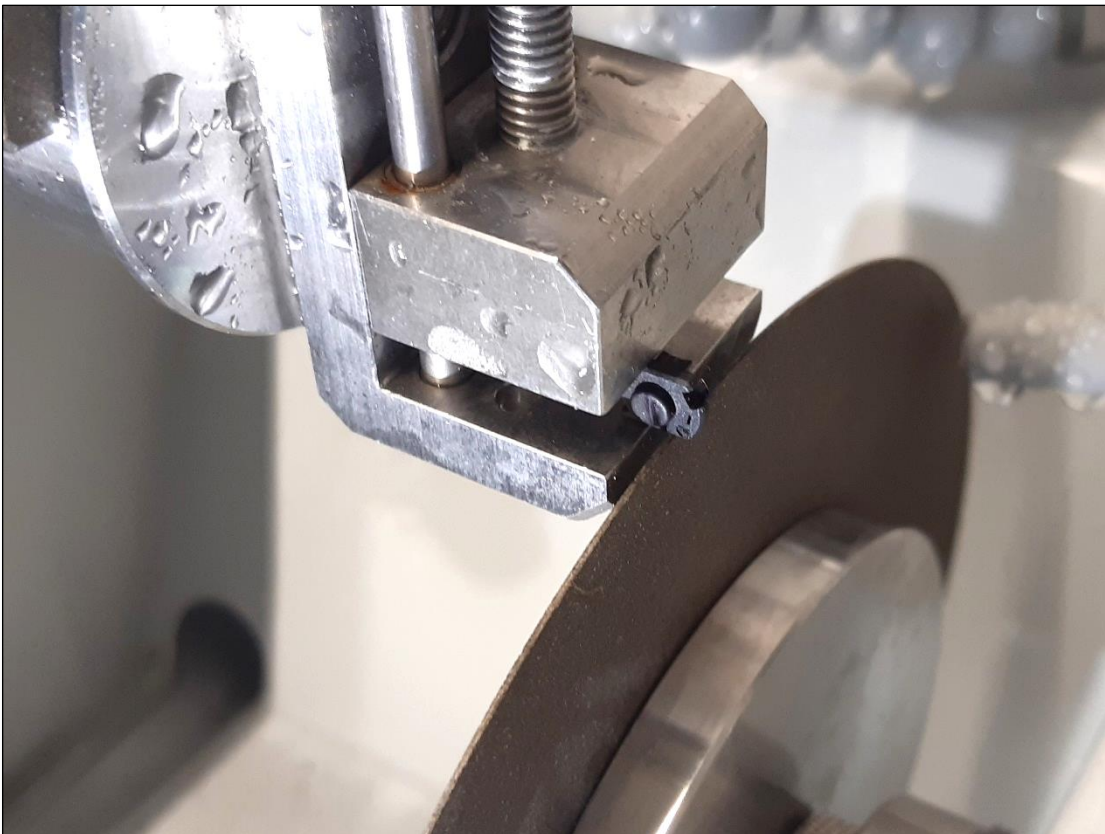


Figure 15: Sample 4 before cutting.

QATM-Preparation method Sample 4



Figure 16: Sample 4 after cutting.



Figure 17: Sample 4 after cutting.

QATM-Preparation method Sample 5



Figure 18: Overview sample 5.



Figure 19: Sample 5 before cutting.

QATM-Preparation method Sample 5



Figure 20: Sample 5 after cutting.



Figure 21: Sample 5 after cutting.

QATM-Preparation method Sample 6



Figure 22: Overview sample 6.

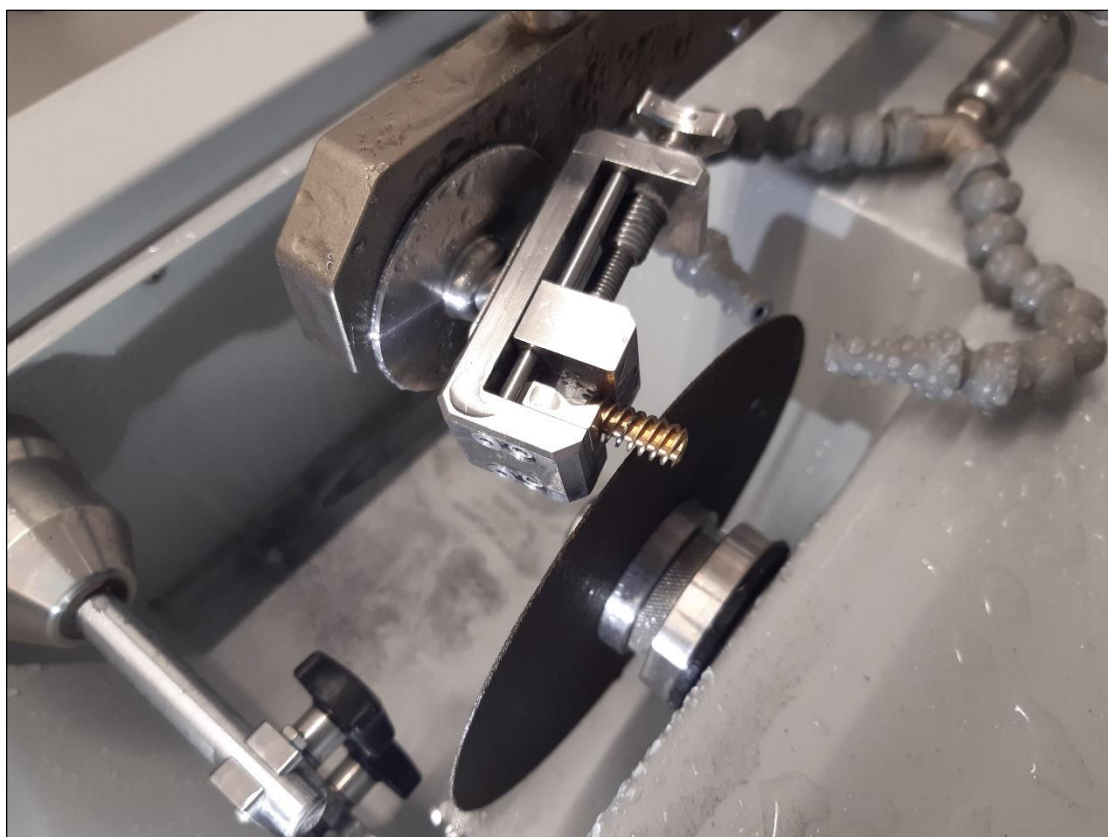


Figure 23: Sample 6 before cutting.

QATM-Preparation method Sample 6

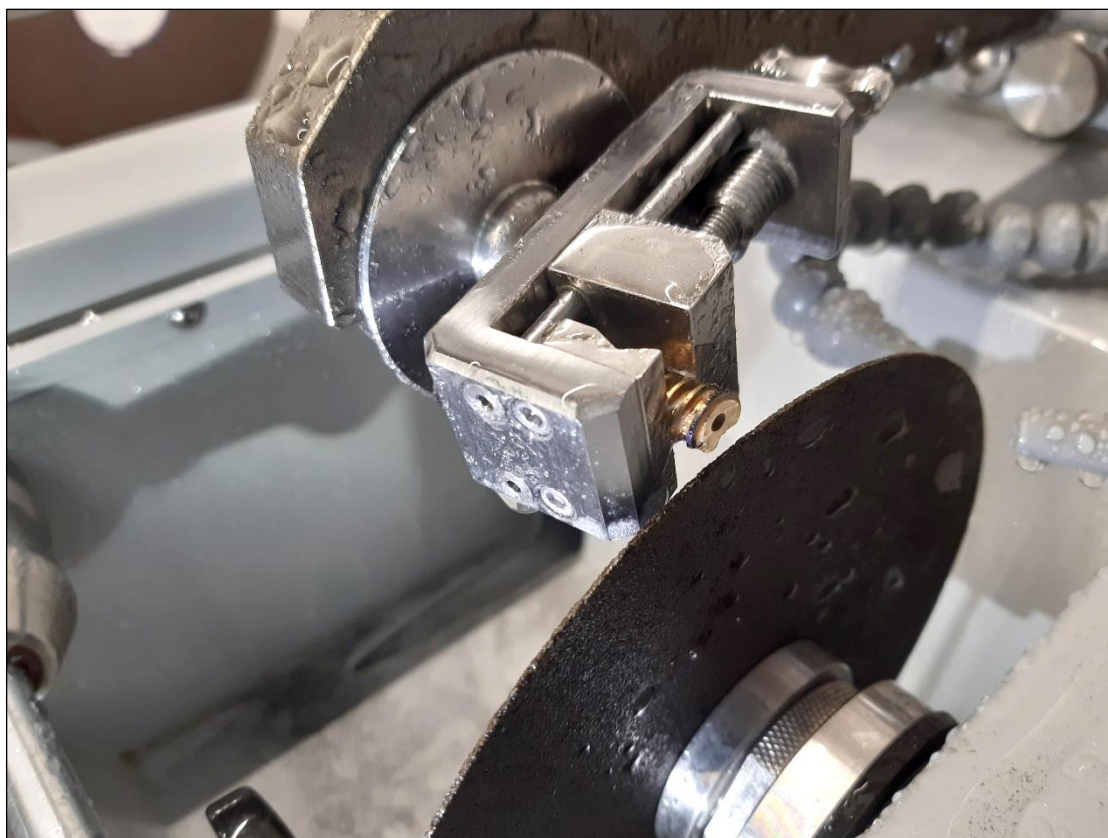


Figure 24: Sample 6 after cutting.



Figure 25: Sample 6 after cutting.

QATM-Preparation method Sample 7



Figure 26: Overview sample 7.

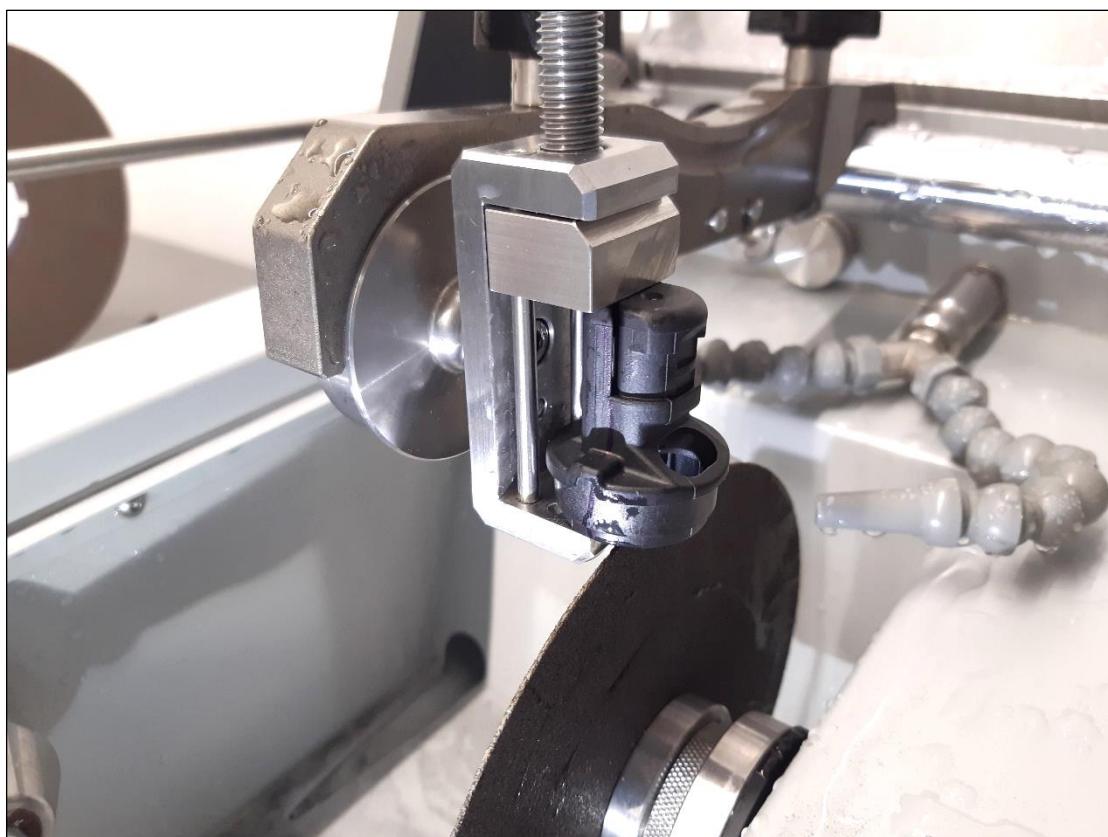


Figure 27: Sample 7 before cutting.

QATM-Preparation method Sample 7



Figure 28: Sample 7 after cutting.



Figure 29: Sample 7 after cutting.