

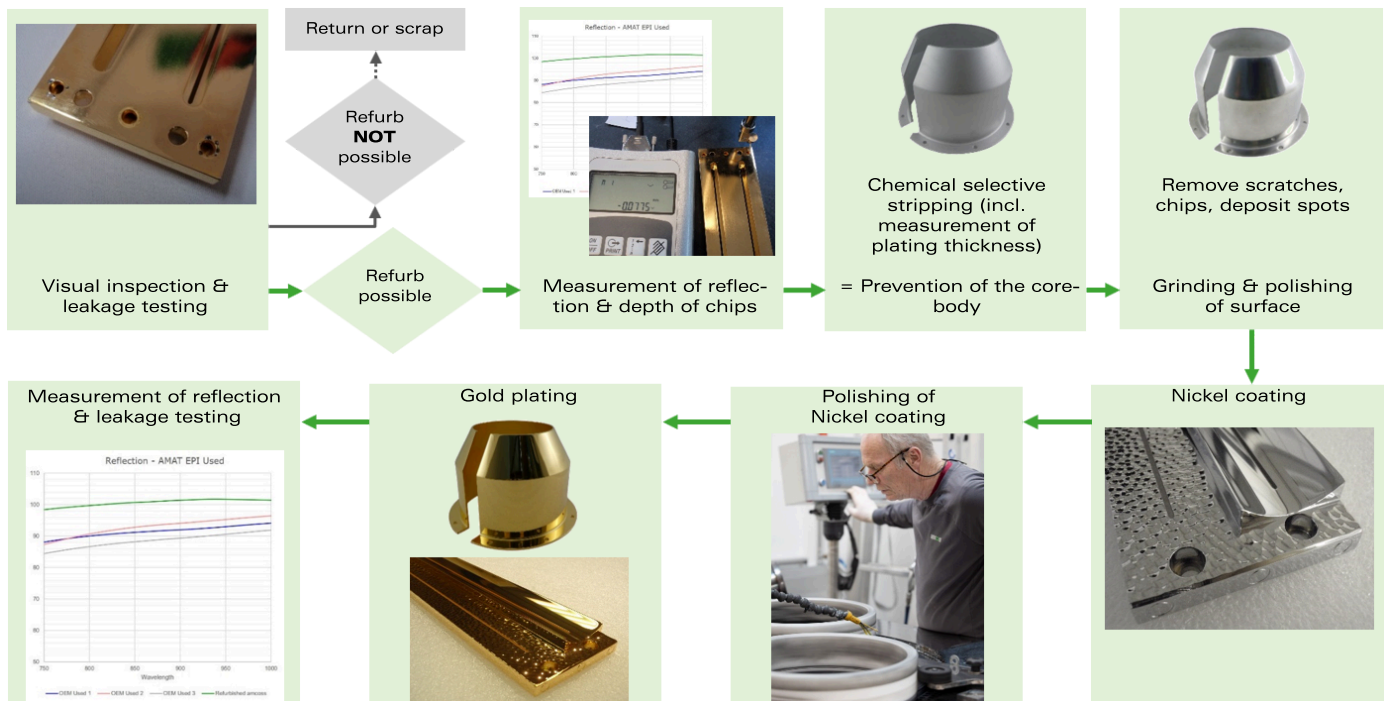
# HIGH LEVEL GOLD PLATING REFURBISHMENT

Gold parts in RTP systems are subject to heavy wear, which leads to burnt-in residues, dark spots and scratches that impair reflectivity. Flaking around feedthroughs can cause leaks. Buying new is expensive and repairs require expertise that is rarely available. The solution: Refurbishments from amcoss! We have the expertise and use special processes to get your components back in top shape. They include:

- // Removal of old coatings
- // Mechanical processing and dry cleaning
- // Repair or replacement and, if necessary, welding of damaged parts
- // New coating

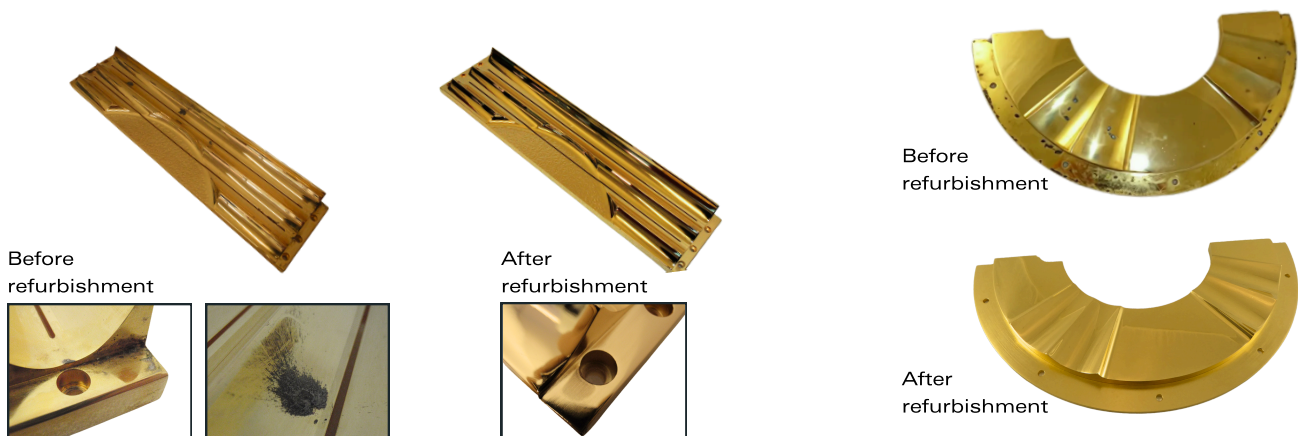
Gold refurbishments from amcoss significantly extend the service life of your components and production facilities, which helps you achieve cost and sustainability targets.

## Gold refurbishment process at amcoss



## Best refurbishment results for top functionality

At the end of the refurbishment process, even complex components look like new again. More importantly, however, their full functionality is restored. You can rely on that!

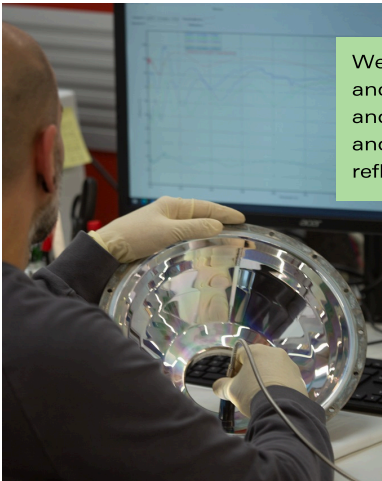
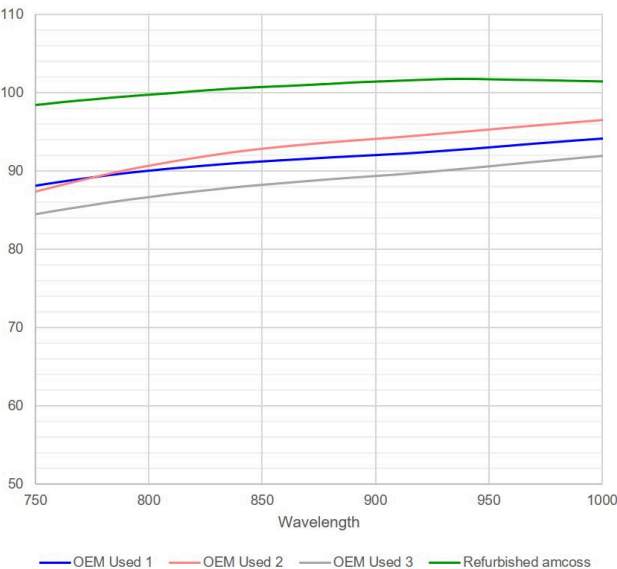


amcoss competences for highest quality

At amcoss we have many years of experience and a high level of expertise in the refurbishment of all kinds of mirrors. The entire stripping and finishing process, such as lapping and polishing, as well as quality control at the highest level is carried out in-house. All of our coating and plating processes are carried out in accordance with our strict specifications. This enables us to guarantee short turnaround times and the highest quality.



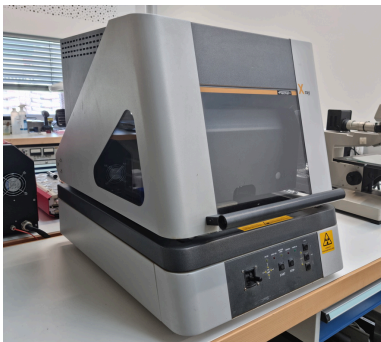
Reflection measurement



We measure the reflection before and after treatment to monitor and document the improvements and to ensure that the required reflection values are achieved.

Plating thickness measurement

The thickness of the coating is also measured using an X-ray machine and documented in measurement reports.



X-ray coating thickness measurement device

amcoss components & service

p. 1

thickness measuring.

General information

Fischerscope®  
Product: 6 / Au / NIP / AI  
Application: 9 / Au / NIP / AI  
@CHN2=NIP

Dir.: Fischer Block: DEBoxx Teil2

Measuring results:

	2,023 µm	35,84 µm	4,133
n= 1 Au 1 =	2,03 µm NIP =	37,8 µm mq =	4,12
n= 2 Au 1 =	2,02 µm NIP =	35,2 µm mq =	4,12
n= 3 Au 1 =	2,01 µm NIP =	34,4 µm mq =	4,16
Mean	2,023 µm	35,84 µm	4,133
Standard deviation	0,009 µm	1,780 µm	0,021
C.O.V. (%)	0,43	4,97	0,50
Range	0,017 µm	3,40 µm	0,036
Number of readings	3	3	3
Min. reading	2,01 µm	34,4 µm	4,12
Max. reading	2,03 µm	37,8 µm	4,16
Measuring time	60 sec		
Operator:			

Date: 21.10.2024 Time: 16:16:41

amcoss GmbH  
Leusbundtweg 49a  
6800 Feldkirch, Austria  
office@amcoss.com  
phone +43 5522 209 50  
amcoss.com  
amcoss-systems.com

Measurement protocol