World Money Fair 26 | Technical Forum

Titel

Innovative plasma technology for coin dies

Company

Oerlikon Balzers AG

Abstract

An advanced, fully integrated solution that transforms die preparation, PVD coating, and reconditioning into a strategic advantage for coin producers will be presented. The latest patented plasma technology ensures perfect adjustable etching resulting in improved coating adhesion through tailored pretreatment. Oerlikon Balzers uses the DOMINO pica PVD system to clean die surfaces by removing oxides and residues, creating a smooth and uniform surface—even for detailed engravings. In case of needed reuse of previously coated dies, this technology even allows efficient de-coating using specialized recipes, followed by subsequent simple repolishing to prepare the die for recoating. This comprehensive approach enhances coating performance, extends die life, and even incorporates several processes in one system.

About the Speaker

Reiner Waller holds a Diploma as mechanical engineer from TU Hannover and an additional business degree from University of Braunschweig. He works at Oerlikon Balzers for more than 20 years in different positions and is in charge of the equipment product line DOMINO as product manager since 2020.