



Līdzfinansē
Eiropas Savienība



Nacionālais
attīstības plāns

ADVANCEMENT OF ROLL-TO-ROLL DEPOSITION TECHNOLOGY FOR SMART WINDOWS AND ANTIMICROBIAL COATINGS (R2R-SWAC)

Project No. 1.1.1.3/1./24/A/077

Projekta duration: 01.06.2025. – 31.05.2028.

Leading partner:	Institute of Solid State Physics, University of Latvia
Partners:	Sidrabe Vacuum Ltd. AGL Technologies Ltd.

Project total sum:	651 899 EUR
ERDF funding:	506 249 EUR

On the implementation of the project (period 01.06.2025 – 31.08.2025)

In the initial phase of the project No. 1.1.1.3/1./24/A/077 “Advancement of Roll-to-Roll Deposition Technology for Smart Windows and Antimicrobial Coatings”, the roll-to-roll (R2R) coater UV80 has been prepared for the specific requirements of the project tasks. All the main functions of the machine have been tested for the production of YHO samples, including the preparation of the yttrium target, the implementation of plasma emission monitoring and the optimization of the spatial uniformity of the gas system. The thermally stabilized PET substrate and oil for the operation of the vacuum pumps required for the production of samples have been purchased.