

Development of Technology for Vacuum Thermal Deposition of Cadmium Sulfide Thin Films



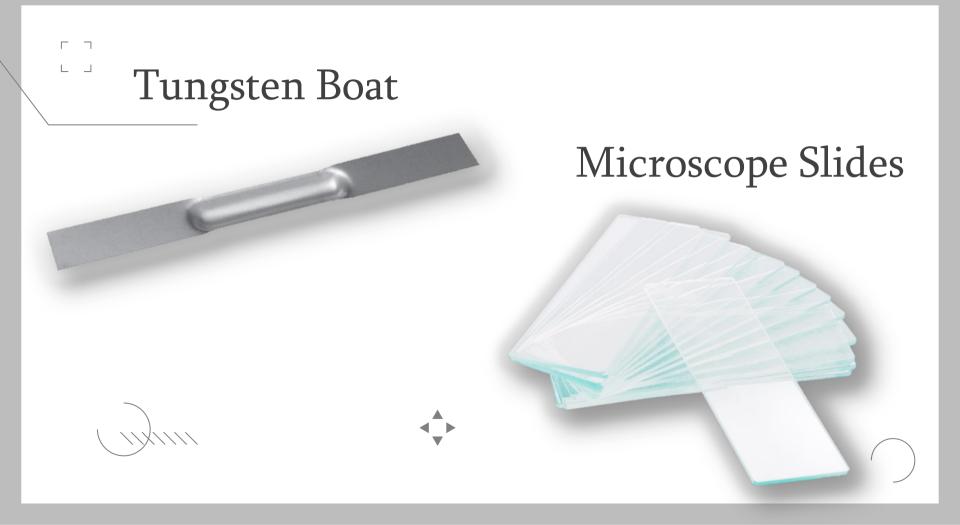
Modified Thermal Vacuum Deposition Equipment



УВН-71-П3

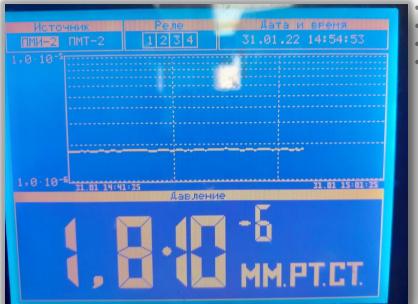


Cadmium Sulfide



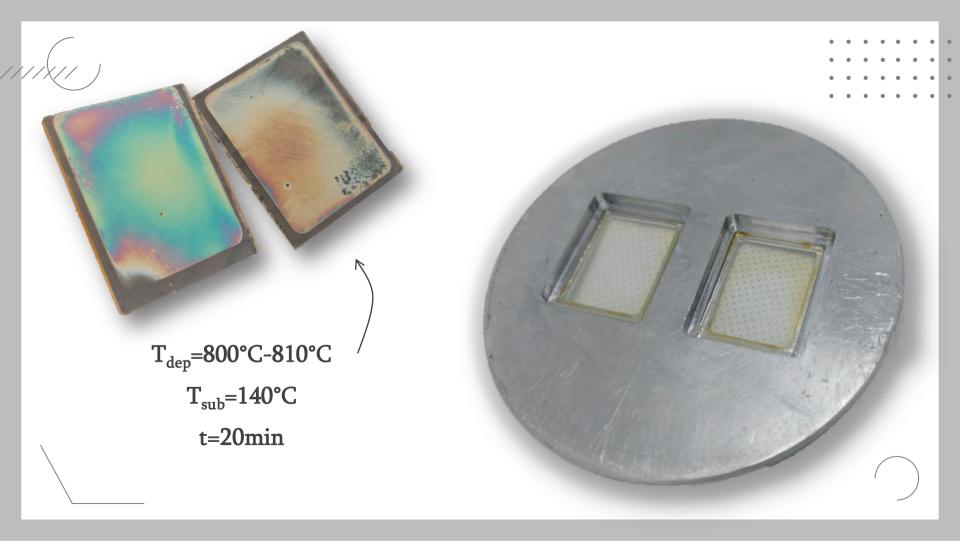








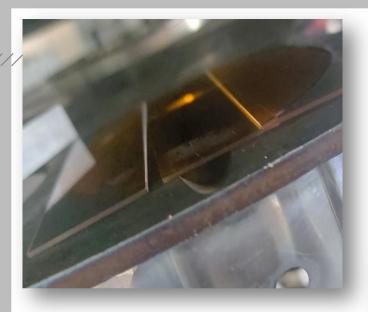


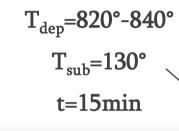


2	square
	lasses

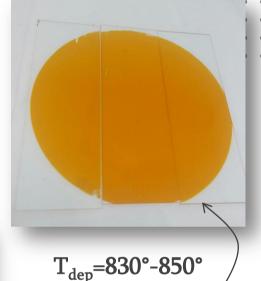
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Temperature (°C)		Time	Thickness
Boat	Glasses	(min)	(nm)
830-850	100	30	
	120	30	565,27
800-810	140	20	









 T_{dep} =830°-850° T_{sub} =140° t=15min

Temperature (°C)		Time	Thickness
Boat	Glasses	(min)	(nm)
820-840	130	15	2055,8
	145	20	1521,8
830-850	110	15	
	116	15	2364,5
	140	15	1820
	160	20	

3 rectangular glasses



Measurement-Based Analysis

As a result of studying the samples, it became clear that the reversible platform had a deviation relative to the axis of the chamber caused by the mass of aluminum plate mounted on glass and providing heat transfer.

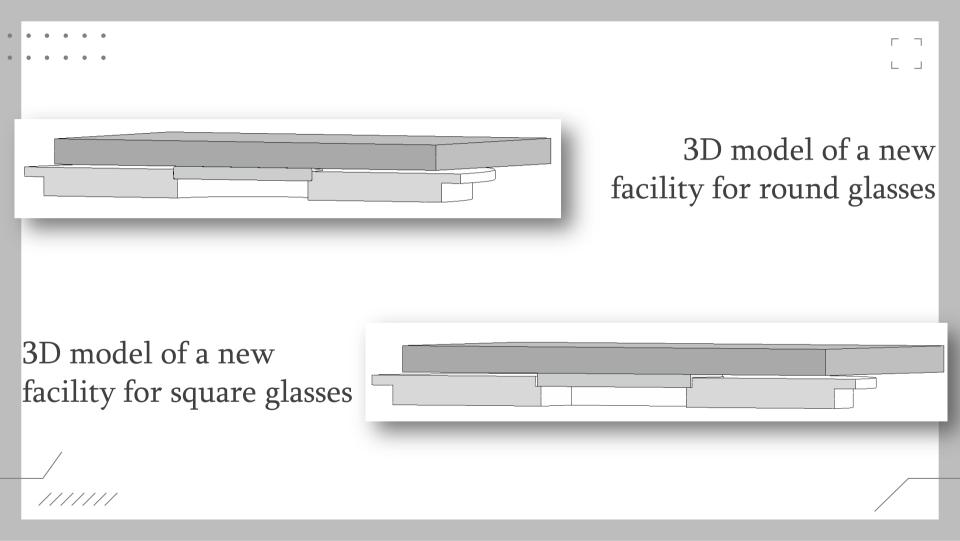




Further Activities







THANK

YOU



