



Targets for thin-film technology

WIELAND products enjoy an outstanding reputation throughout the world. This is also true of targets and evaporation materials made of precious and special metals for various physical coating processes.

The product range extends from customer-specific small targets for research and development through to targets for coatings covering a large area, designed for the enhancement of architectural glass, or the coating of solar cells.

Key/essential factors of WIELAND targets are:

- High purity
- Fine grain structure
- Excellent homogeneity

A process for manufacturing tube target segments (patent applied for) also brings enormous benefits with regard to material efficiency, freedom from pores and residual gas content as well as grain size. WIELAND's highly efficient precious metal management system and environmentally friendly recycling facilities also deliver crucial time and cost benefits. A bond service completes our offering in this area.

THE ESSENTIAL PART OF YOUR SOLUTION

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Details of WIELAND targets

Range of applications

- Solar technology
- Glass finish
- Medical technology
- Measurement and control technology
- Hard material coating
- Decorative coatings
- Mirror coating
- Electronic industry
- Optical industry

Materials for thin-film technology

Perioden	Hauptgruppen I										Hauptgruppen VIII									
	1	H		He																
	2	Li	Be											B	C	N	O	F	Ne	
	3	Na	Mg	Nebengruppen										Al	Si	P	S	Cl	Ar	
	4	K	Ca	Sc	Ti	V	Cr	Mn	Fe	Co	Ni	Cu	Zn	Ga	Ge	As	Se	Br	Kr	
	5	Rb	Sr	Y	Zr	Nb	Mo	Tc	Ru	Rh	Pd	Ag	Cd	In	Sn	Sb	Te	I	Xe	
	6	Cs	Ba	La	Hf	Ta	W	Re	Os	Ir	Pt	Au	Hg	Tl	Pb	Bi	Po	At	Rn	
7	Fr	Ra	Ac	Ku	Ha															

Sputtering targets

- Very long tool life
- Tubular and planar targets
- Unit weight max. 300 kg
- Length max. 4 m
- Width max. 400 mm
- Thickness max. 40 mm
- Upon customer's specification
- For all machine types
- Excellent output
- Bonded or unbonded
- Recycling service
- Various purities



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