

DRAWING MACHINES



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DRAWING MACHINES

INLINE DRAWING MODULES

RESISTANCE ANNEALERS

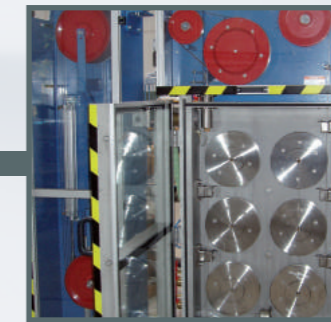
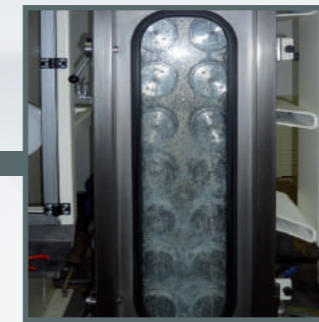
APPLICATIONS

- drawing of precious metal wires (gold, platinum, silver)
- drawing of copper alloy wires (bronze, brass, nickel silver)
- add-on drawing unit for fine wire drawing machines with synchronization
- inline drawing units for manufacturing enameled, tinned and EDM wires
- drawing machines with resistance annealer and take-up
- single and multi wire drawing machines



Technical data

Drawing machine		
inlet wire	max. 5 mm	0.2 inch
finished wire	0,05 – 3 mm	0.002 – 0.118 inch
machine sequence	8 – 27 %	
speed	max. 30 m/s	max. 98.5 fps
number of drawing dies	3 – 21	
version	tandem	
number of wires	1 – 4	
capstans	80 – 250 mm Ø	3.15 – 9.84 inch
final capstan	80 – 360 mm Ø	3.15 – 14.17 inch
capstan surface	carbide metal coating, zirconium oxide ceramic rings, hardened steel rings	
drive system	toothed belt, drive, single drive	
drive	controlled three-phase a.c. drive	
annealer		
annealing voltage	max. 130 VDC	
main annealing zone	optionally with inert gas atmosphere	
wire drying	between annealing box and capstan	



DRAWING MACHINES

SPECIAL CHARACTERISTICS

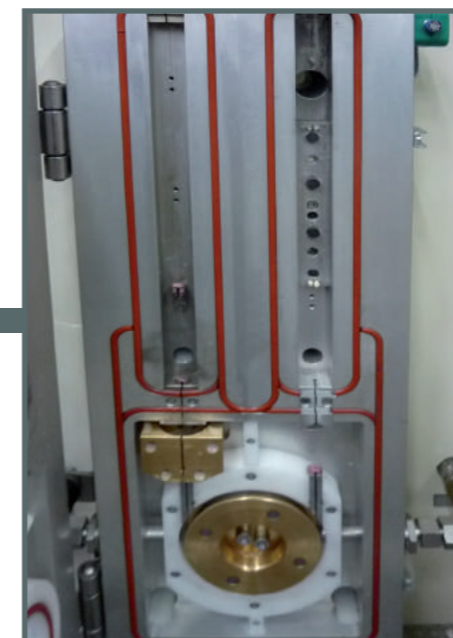
- integrable into various manufacturing processes
- customized versions available
- quick-change systems
- available in combination with resistance annealer
- available in combination with take-up for reels, containers and coils
- intensive spraying of inlet and outlet cones of the drawing dies
- alternatively: immersed version
- easy operation due to the tandem drawing system and the favorable location of the drawing dies
- large control window to the drawing area
- high operational safety
- very low maintenance costs

SPECIAL VERSION

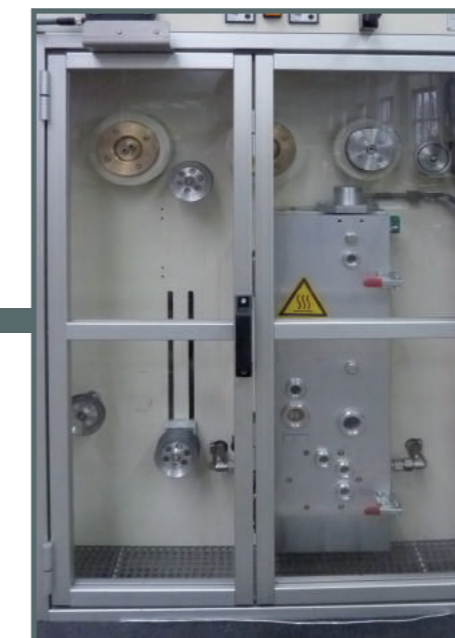
- drawing area made of stainless steel
- dancer control at wire output
- dancer control at wire entry



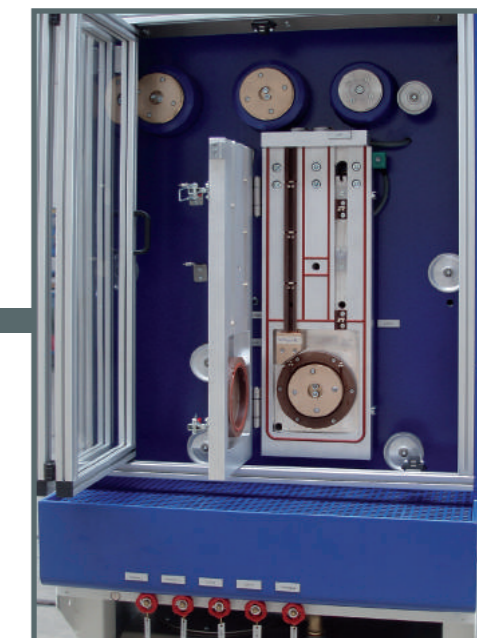
ANNEALER



interior of annealing box



annealer with protective door



annealing box open