

MICRO DRAWING

FOR ULTRA-PRECISION

Products & applications

- Calibrated wires for lapping of clockstones, ceramics and hard metal cannons
- Running-in rods (lapping rods)
- Straightened shafts with burr-free cutting for medical devices (ophthalmology, acoustics, micromotors...)
- Straightened rods for control gauges
- Wires and laces with high mechanical resistance for shape memory applications (springs, blades...)

Process & materials

- Micro-drawing
 - Piano string steel: \varnothing 0.020 mm to 1.500 mm
 - Stainless steel: \varnothing 0.030 mm to 2.100 mm
 - Brass: \varnothing 0.100 mm to 2.200 mm
 - Phynox/Nivaflex: \varnothing 0.050 mm to 1.500 mm
- Straightening & burr-free cutting
 - Piano string steel / Stainless steel / Nivaflex / Phynox
 - \varnothing 0.500 mm to 3.000 mm
 - Max. length 3000 mmm
- Rolling & profiling stainless steel / Nivaflex / Phynox
- Other materials, dimensions and galvanic coating possible on request

Metrology & controls

- Horizontal and vertical measuring benches with adjustable force from 0.01 N to 10 N
- Dimensional checks of the diameter and its circularity over 360° with an accuracy of $\pm 0.1 \mu\text{m}$
- Weighing of workpieces (axes/rods...) with an accuracy of 0.01 mg
- Detailed material certificate on request

Contact-US

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