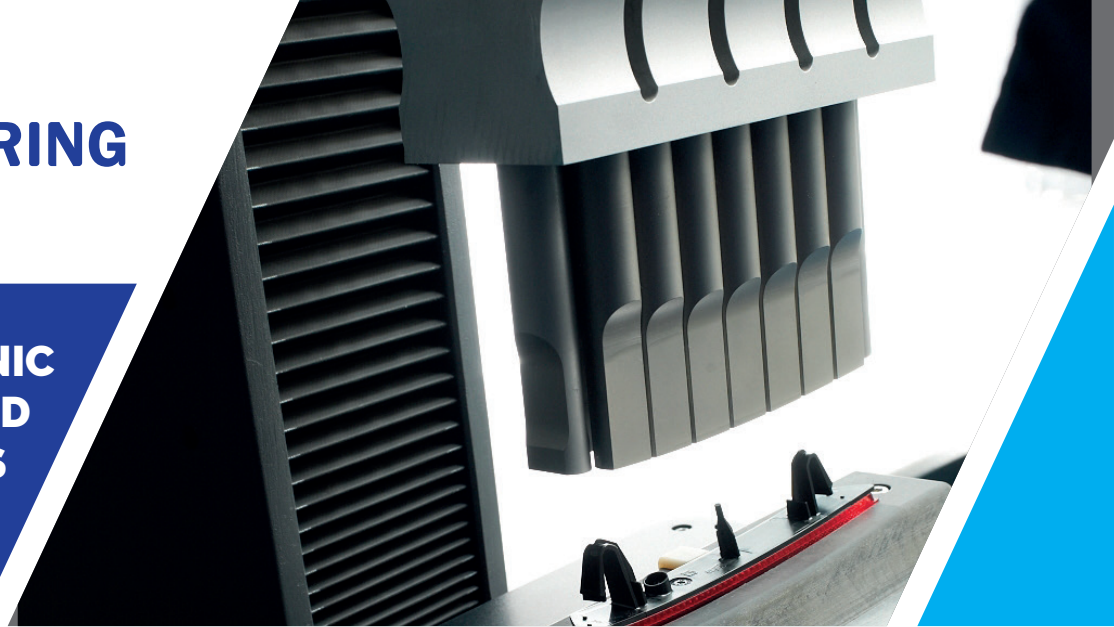




ULTRASONIC TOOLINGS AND COMPONENTS

a SONIMAT solution



With more than 20 years of experience on the ultrasonic process and applications, SONIMAT manufactures, adjusts and controls a wide range of ultrasonic toolings and generators.

CONVERTERS

Configurations

- Standard, amplified, compact design, press model
- Without hood, with standard hood or impermeable hood
- BNC or LEMO connection



SONOTRODES

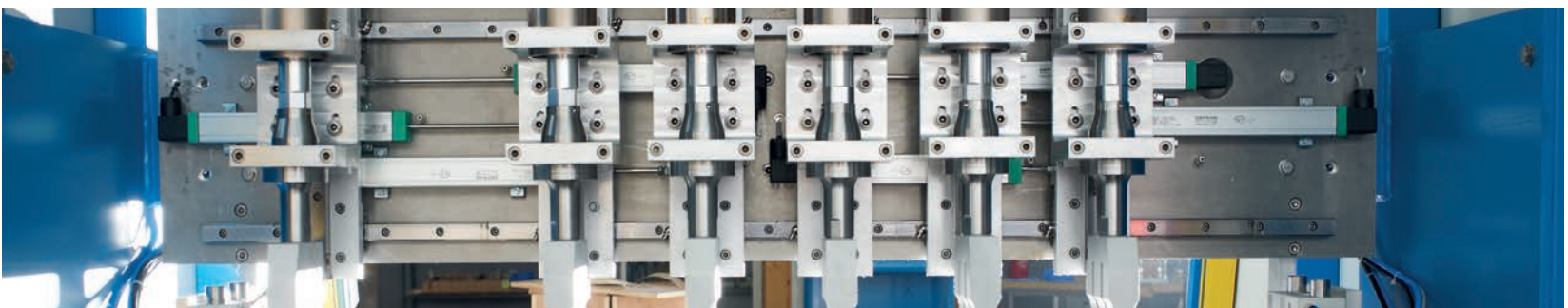
Models

- Shovel sonotrodes
- Bar stock sonotrodes
- Block Sonotrodes
- Bicylindrical sonotrodes
- Spool sonotrodes
- Flatted sonotrodes
- Bell sonotrodes



Materials

- Hardened steel / Titanium / Aluminum
- Carbide coating
- Titanium nitriding
- Burnishing steel



CUTTING SONOTRODES

Models

- Asymmetric
- Corner
- Parallel edge
- Wavy exponential

Titanium sonotrodes in wavelength or half wavelength.



ANVILS

Materials

- Aluminum anvil
- Resin casted into aluminum base
- 3D resin printing



BOOSTERS



SERVICES

ENGINEERING OFFICES

Special designing
Design with SolidWorks
Final element computation
Dynamic simulation

MECHANICAL WORKSHOP

Integrated mechanical workshop
Electro-erosion with wire
Machining centre
Conventional milling machine
Conventional digital lathe

CONTROL

Control and frequency regulation
Tracking sheet