

## Company profile

Ceramaret designs and produces components out of the hardest of materials such as Advanced Ceramics (zirconia, alumina) and synthetic sapphire and ruby.

The company was founded in Le Locle in 1907. It moved to Bôle in 1952 into a new building that has since been extended in several stages. Originally active in the watch industry, Ceramaret (formerly Maret SA) diversified its activities and is now leader in the manufacturing of small precision components in ultra hard materials. The company has also developed the famous "Maret Polishing Method".

Emphasis is placed on rational, intelligent and innovative solutions. Technical requirements are met in consideration of economics and environmental impact, as well as compliance with strict safety standards.

Ceramaret is ISO 9001:2008, ISO 14001:2004, ISO 13485:2003 and OHSAS 18001:2007 certified.

About 70% of the production is exported worldwide.

Ceramaret SA is part of MK Holding SA. It has a capital of CHF 1 million.



## Products

- **For analytical instrumentation :**
  - *Pistons, ball check valves and ball check valve cartridges* for HPLC pump and precision-metering pumps and dispensers
  - *Stators and rotors* for rotary valves
  
- **For medical applications:**
  - *Insulators* for Endoscopes and electro-surgery
  - *Insulators* for implantable devices
  - *Blades*
  - *Components* for dental applications
  
- **For peripheral computer equipment :**
  - *Wire-guides* for impact dot matrix printers
  
- **Custom designed products :**
  - *Wear-resisting parts* made to customer's specifications
  - *High precision products* requiring advanced technology and close collaboration between the client and the manufacturer
  - *Shafts and pistons* based on a wide range of standard blanks ( $Al_2O_3$  and  $ZrO_2$ )
  
- **Sub-contracting :**
  - *Polishing* of small components with the "Maret Polishing Method"
  - *Thermal treatments* of small parts in ferrous and non-ferrous alloys

## Resources

- **Qualified personnel :**
  - *A team of highly qualified and motivated employees*, with a long standing experience in industrial precision techniques
  
- **State of the art Quality Assurance and production equipment :**
  - *Talyrond, Talysurf and Scanning Electron Microscope* (with up to 20'000 x magnification). The microscope is equipped with an energy dispersion micro sensor for the analysis of material compositions
  - *SmartScope* for automatic measurements of parts with complex shapes
  - *Equipment for the atomizing, pressing and sintering of sophisticated ceramic powders*. Fully automated single and double presses as well as cold (CIP) and hot (HIP) isostatic presses
  - *Tools made out of tungsten carbide* for maximum accuracy and durability
  - *Large, sophisticated CNC machinery* for rational production of ultra hard materials