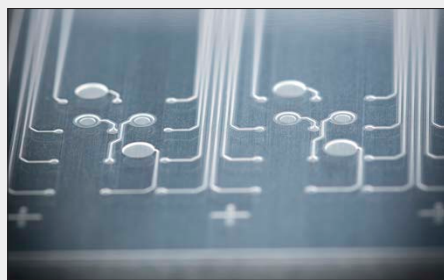
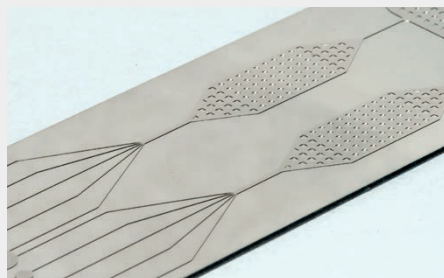


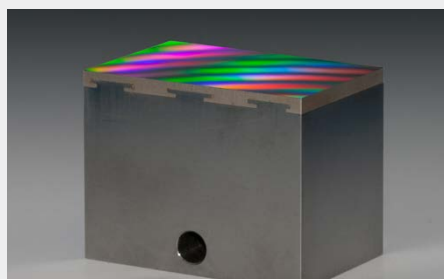
Due to the increasing global demand for fast and cost-efficient diagnostics, microfluidic chips have become more and more important in recent years. temilife MC production technology offers microfluidic structures manufactured exactly according to your needs and requirements. temicon covers the areas of tool development, prototyping and the first small series up to series delivery in 100.000+ parts scale.



Injection molded microfluidic chip



Microfluidic pattern on nickel shim



Mold insert, nickel on steel

Services of temilife MC technology

- Many years of expertise in mastering of finest structures (resolutions and tolerances)
- Highly precise galvanic processing of the mastered structures
- Competent consulting in terms of suitable materials
- High vertical range of manufacture of all process steps
- Injection molding / injection compression molding including full parameter control and adjustment
- Imprint/screen printing of microstructures
- Silicone casting
- Production of tool inserts
- Production to clean room standard possible
- Fast and flexible throughput times

Technical specifications

| | |
|------------------|---|
| Structure height | Mastering Inhouse 1 layer: 1-50 µm Electroforming possible in several layers |
| Taper angle | 5-7° |
| Materials | COC, COP, PS, PC, PMMA (others on request) |
| Aspect ratio | ≤ 2 |
| Mold material | Ni/Steel |
| Lot size | Prototyping - 100.000+ parts |

