

Besides product development for device and machine manufacture, we offer our customers the following technologies for parts and electronics production as well as, equipment and testing device manufacture:

Chipping / machining:	<ul style="list-style-type: none"> ▶ Milling ▶ Turning ▶ Drilling ▶ Sawing and pre-cut ▶ Shaping, flat shaping 	<ul style="list-style-type: none"> ▶ Laser cutting of steel up to 20 mm ▶ Plasma cutting of steel up to 40 mm ▶ Gas cutting / flame cutting of steel up to 150 mm 	<ul style="list-style-type: none"> ▶ Flat grinding ▶ Circular grinding 	<ul style="list-style-type: none"> ▶ Wire eroding ▶ Die sinking
Molding technology:	<ul style="list-style-type: none"> ▶ For aluminum / steel 	<ul style="list-style-type: none"> ▶ Sand casting 	<ul style="list-style-type: none"> ▶ Injection molding (plastics) 	<ul style="list-style-type: none"> ▶ Mold construction
Sheet metal forming :	<ul style="list-style-type: none"> ▶ Punching ▶ Circular form bending ▶ Flattening and rolling 	<ul style="list-style-type: none"> ▶ Bending, up to 8000 mm with forces between 50 and 800 t ▶ Pressure forming ▶ Pleats ▶ Extrusion 	<ul style="list-style-type: none"> ▶ Deep-drawing ▶ Corner shaping (material thickness: 3 to 5 mm) 	<ul style="list-style-type: none"> ▶ Forging
Assembling:	<ul style="list-style-type: none"> ▶ Spot welding 	<ul style="list-style-type: none"> ▶ Welding 	<ul style="list-style-type: none"> ▶ Soldering and brazing ▶ Bonding 	<ul style="list-style-type: none"> ▶ Mechanical assembly
Surface engineering:	<ul style="list-style-type: none"> ▶ Varnishing ▶ Electroplating 	<ul style="list-style-type: none"> ▶ Polishing ▶ Brushing ▶ Matting ▶ Anodization 	<ul style="list-style-type: none"> ▶ Sandblasting ▶ Glass bead blasting 	<ul style="list-style-type: none"> ▶ Powder coating ▶ Plastic coating
Modification of materials characteristics:	<ul style="list-style-type: none"> ▶ Hardening 	<ul style="list-style-type: none"> ▶ Tempering 	<ul style="list-style-type: none"> ▶ Thermal-stress-relief tempering 	
Electronics:	<ul style="list-style-type: none"> ▶ PCB Assembly 	<ul style="list-style-type: none"> ▶ Assembly of modules 	<ul style="list-style-type: none"> ▶ Assembly of cables ▶ Wiring 	<ul style="list-style-type: none"> ▶ Soldering
Optical fibers:	<ul style="list-style-type: none"> ▶ Optical fiber connections 	<ul style="list-style-type: none"> ▶ Direct fitting of plugs 	<ul style="list-style-type: none"> ▶ Mechanical splicing 	<ul style="list-style-type: none"> ▶ Fusion splicing
Optics:	<ul style="list-style-type: none"> ▶ Optical assembly 			
Quality control:	<ul style="list-style-type: none"> ▶ 2D measuring microscope 	<ul style="list-style-type: none"> ▶ Mechanical quality control 	<ul style="list-style-type: none"> ▶ Electronic functional and quality testing 	