

## PROTOTYPES AND SMALL SERIES



### From first draft to final product

We, a specialized service provider in the manufacturing of prototypes and small series, have been working in this field with our highly qualified team since 1996. Our customers value the big variety of technologies that we offer, our reliable advisory service as well as the high quality of the plastic and metal parts.

## SERVICES

3D-printing

	Technology	Description	max. size [mm]
	Stereolithography	for master patterns for design models high precision epoxy resin / acrylate	2000 x 1000 x 1000
	Selective laser sintering (SLS)	for function tests high freedom of design PA12 / PA12-GF	700 x 380 x 580 (bigger parts possible per joining)
	Selective laser melting (SLM)	complex metall parts for function tests aluminium, steel, titanium, ...	280 x 280 x 350
	Vacuum casting - polyurethane	for function tests for small series near-series properties PU, rubber, silicone, wax	1200 x 600 x 500 (weight < 10,0 kg)
	Polyamide casting	for function tests for small series impact and heat resistant PA6 and PA6-GF30	1200 x 800 x 500 (weight < 3,5 kg)
	Wax casting / Lost wax casting	complex metall parts for preseries and small series aluminium, zinc, Z0410, ...	500 x 400 x 250 (vol. < 3.000 cm³)
	CNC production	for function tests for small series 5-axis cnc machining plastic / metal	Ø 800 / 650 x 450 H = 400
	Injection moulding	for small series in plastic 50 - 10.000 pc. all common injection moulding materials	350 x 200 x 60 (vol. < 330 cm³)

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