



## Overview of technologies

	Laser sintering (SLS)	Stereolithography (SLA)	HSC Milling (High Speed Cutting)	Vacuum moulding	Low pressure moulding (RIM)
<b>Design samples</b>	○	●●	●●	○	
<b>Functional models</b>	●●	●	●●	●●	●●
<b>Series parts</b>	●●		●●	●	●●
<b>Delivery time</b> (in working days)	2–4	1–3	5–20	5–15	15–20
<b>Quantities</b> (ideal size)	1–1000	1–100	1–100	1–50	50–1000
<b>Material</b>	PA/HST Elastomers TPU	Epoxy	Plastics Metals	PUR Silicone	PUR Epoxy
<b>Advantages</b>	<ul style="list-style-type: none"> <li>• Mech. resilient parts</li> <li>• Latches, hinges</li> <li>• Temperature resistance up to 180 °C</li> </ul>	<ul style="list-style-type: none"> <li>• One Day Service</li> <li>• Smooth surface</li> <li>• very good paintability</li> </ul>	<ul style="list-style-type: none"> <li>• Any material possible</li> <li>• High dimensional accuracy</li> <li>• Up to 5-axis simultaneous</li> </ul>	<ul style="list-style-type: none"> <li>• Materials with various properties</li> <li>• Coloured, transparent</li> <li>• 2-component parts</li> </ul>	<ul style="list-style-type: none"> <li>• Good cost/benefit ratio for large parts</li> </ul>
<b>Disadvantages</b>	<ul style="list-style-type: none"> <li>• Wall thickness from 0.6 mm</li> <li>• Fine-grain surface</li> </ul>	<ul style="list-style-type: none"> <li>• Support geometry required</li> </ul>	<ul style="list-style-type: none"> <li>• Programme fees</li> </ul>	<ul style="list-style-type: none"> <li>• Tool required</li> </ul>	<ul style="list-style-type: none"> <li>• Tool required</li> <li>• Inclined mould necessary</li> </ul>

○ suitable   ● well suited   ●● very well suited