

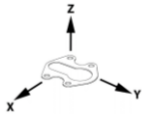
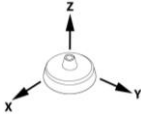
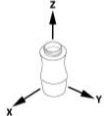
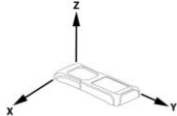
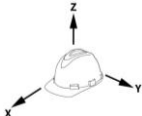
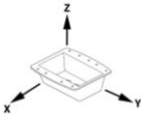
Our QUICK printer selection guide



We have created a quick printer selection guide to help you choose which printer is suitable for your job.

We have 3 printers, the Stratasys Eden and Connex 3 500, and the HP4200; each with unique advantages. We've split costing examples into 6 parts and compared each printer for you, so you can gauge which option is most cost effective for your job. The Eden is great for high resolution parts the Connex isn't far behind in resolution but can print in up to 3 materials at the same time or multiple digital combinations including elastomeric parts in a range of Shore A hardness's between 30 and 95; perfect for overmoulds. Our new HP4200 offers a much more cost effective solution with enhanced functional, mechanical and aesthetical properties.

If you would like to discuss your 3D printing needs with our experts contact us at 3Dprinting@designreality.co.uk

				Example Parts					
				Gasket	Sports Bottle Top	Sports Bottle	Overmoulded Handheld Enclosure	Hard Hat	Electronics Enclosure
		X - 90mm, Y - 98mm, Z - 2mm	X - 74mm, Y - 74mm, Z - 36mm	X - 78mm, Y - 78mm, Z - 162mm	X - 79mm, Y - 156mm, Z - 20mm	X - 250mm, Y - 140mm, Z - 185mm	X - 216mm, Y - 172mm, Z - 68mm		
		Volume - 23580mm ³	Volume - 31041mm ³	Volume - 79488mm ³	Volume - 43762mm ³	Volume - 164757mm ³	Volume - 250834mm ³		
									
		1 (qty)	1 (qty)	1 (qty)	1 (qty)	1 (qty)	1 (qty)		
Printer	Eden	16	Rigur	NA	£87.50	£536.00	NA	£1,778.50	£916.00
		30		NA	£76.00	£490.50	NA	£1,640.00	£854.50
		27	Rigur	£24.00	£92.00	£537.00	£130.50	£1,765.50	£905.00
			VeroClear Agilus 30 Clear	NA	£36.78	£82.48	NA	£162.91	£244.10
HP4200	80	Nylon 12	NA	£36.78	£82.48	NA	£162.91	£244.10	

Materials at a glance.



Rigur™ (RGD450) is an advanced simulated polypropylene photopolymer with improved toughness, increased dimensional stability and great surface finish. Offered in a bright white color, Rigur is ideal for flexible closures and living hinges; reusable containers and packaging; and white appliances including consumer goods, household appliances, consumer electronics and automotive parts. Digital Materials that combine Rigur with other base resins offer a range of gray color and Shore A options, expanding the applications for Rigur.

VeroClear™, a transparent PolyJet™ photopolymer, offers strength, stiffness and impact resistance ideal for concept modelling, design verification and functional testing of clear parts. VeroClear simulates PMMA (polymethylmethacrylate), commonly known as acrylic, and enables the visualization of internal components and features ideal for form and fit testing of see through parts such as eyewear, light covers and medical devices. 3D print transparent parts, or blend with other PolyJet materials for a range of opacities, stunning hues or hardness's, a versatility ideal for rapid prototyping. To achieve the best clarity, parts should be polished, lacquered or photo bleached.

Agilus30™ is a superior Rubber-like PolyJet™ photopolymer family ideal for advanced design verification and rapid prototyping. Get more durable, tear-resistant prototypes that can stand up to repeated flexing and bending. With a Shore A value of 30 in clear, Agilus30 accurately simulates the look, feel and function of Rubber-like products. 3D print rubber surrounds, overmoulds, soft-touch coatings, living hinges, jigs and fixtures, wearables, grips and seals with improved surface texture.

Nylon 12 or PA12 is a robust thermoplastic that produces high density parts with balanced property profiles and strong structures. It provides excellent chemical resistance to oils, greases, aliphatic hydrocarbons, and alkalies. It's ideal for complex assemblies, housings, enclosures, and watertight applications and has biocompatibility certifications that meets USP Class I-VI and US FDA guidance for in contact with skin surface devices.