

# MODEL OVERVIEW



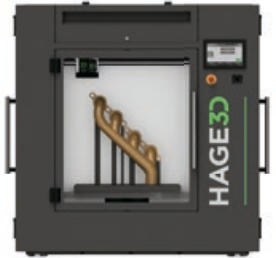
**MEX ONE**



**MEX TWO**



**PRECISE ONE**



**PRECISE TWO**

<b>Build chamber (XYZ) in mm:</b>	400 x 600 x 440	900 x 600 x 440	500 x 700 x 800	1,200 x 700 x 800
<b>Drive technology XYZ:</b>	Stepper motors with encoder	Stepper motors with encoder	Servo motors	Servo motors
<b>Axis system:</b>	XY: fibre-reinforced industrial belts Z: trapezoidal thread spindle	XY: fibre-reinforced industrial belts Z: trapezoidal thread spindle	XYZ: ball screw drives	XYZ: ball screw drives
<b>Printing speed:</b>	up to 200 mm/s <i>(depending on geometry and material)</i>	up to 200 mm/s <i>(depending on geometry and material)</i>	up to 350 mm/s <i>(depending on geometry and material)</i>	up to 350 mm/s <i>(depending on geometry and material)</i>
<b>Layer thickness:</b>	0.05 mm	0.05 mm	0.05 mm	0.05 mm
<b>Heatable build chamber:</b>	100°C	100°C	150°C	150°C
<b>Heatable print bed:</b>	180°C	180°C	180°C	180°C
<b>Print bed system:</b>	Quick-change special glass	Quick-change special glass	Vacuum bed with film or special glass	Vacuum bed with film or special glass
<b>Print temperature:</b>	450°C	450°C	450°C	450°C
<b>Print head:</b>	Dual-DSD	Dual-DSD, Multi-DSD (3-way)	Dual-DSD, Multi-DSD (3/4-way), PEX	Dual-DSD, Multi-DSD (3/4-way), PEX
<b>Nozzle diameter:</b>	0.1 - 1.0 etc.	0.1 - 1.0 etc.	0.1 - 1.0 etc.	0.1 - 1.0 etc.
<b>Build-up rate, filament:</b>	150 g/h	150 g/h	300 g/h	300 g/h
<b>Build-up rate, pellets:</b>	-	-	3.000 g/h	3.000 g/h
<b>Open materials system:</b>	Yes	Yes	Yes	Yes
<b>Flexible materials up to 65A:</b>	Yes	Yes	Yes	Yes
<b>Technical thermoplastics:</b>	Yes	Yes	Yes	Yes
<b>3D-optimised high-performance materials:</b>	Yes	Yes	Yes	Yes
<b>High-performance materials:</b>	-	-	Yes	Yes
<b>Calibration:</b>	Automatic	Automatic	Automatic	Automatic
<b>Air cleaning unit:</b>	Filtration system with active carbon filter and HEPA filter	Filtration system with active carbon filter and HEPA filter	Filtration system with active carbon filter and HEPA filter	Filtration system with active carbon filter and HEPA filter
<b>Slicing software, open (Simplify3D, Cura)</b>	Yes	Yes	Yes	Yes
<b>Camera</b>	Optional	Optional	Standard	Standard