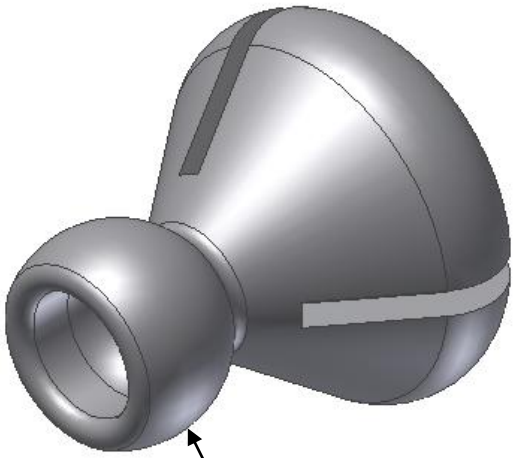
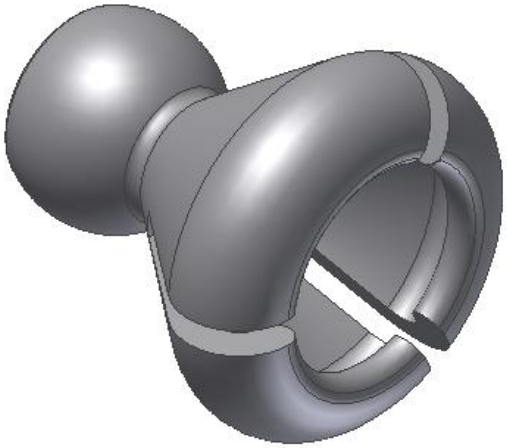
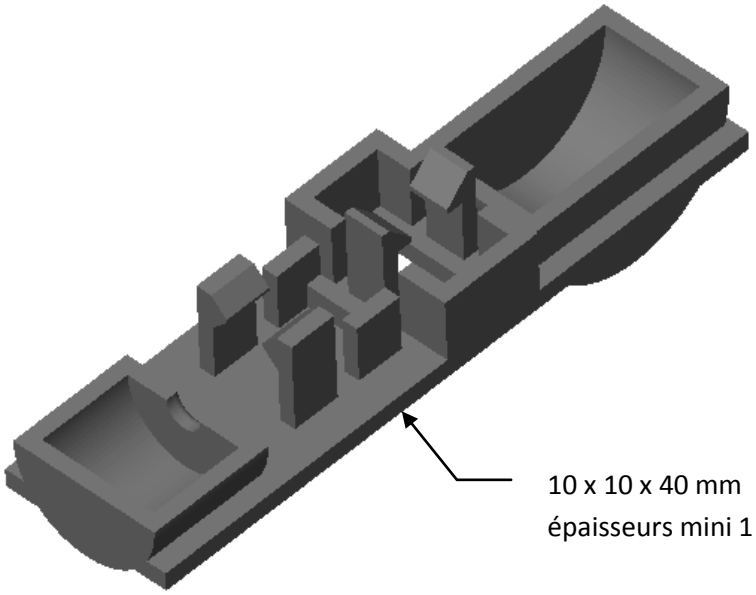
Comparatif	**HP Designjet 3D (anciennement U-Print)**	**V-Flash**	**SD 300**	**Objet24 (anciennement Alaris 30)**
Fabriquant	HP/Stratasys	3D System	Solido	Objet
Procédé	FDM (Fused Deposition Modeling)	FTI (Film transfer imaging)	Plastic Sheet Lamination	Polyjet photopolymer jetting
Prix	≈ 15000 € TTC	≈ 16000 € TTC	≈ 9500 € TTC	≈ 21000 € TTC
Résolution Z (ép couches)	0.254 mm	0.1 mm	0.168 mm	0.028 mm
Résolution X Y	NC	0.22 mm	NC	600x600 DPI (0.04mm)
Précision XY	NC	0.05 à 0.13 mm en position	±0.1 mm	0.1 mm
Limites (X Y Z)	203x152x152 mm	230 x 170 x 200	160 X 210 X 135 mm	294 x 196 x 150 mm
Supports Elimination	Matière spécifique soluble eau chaude + savon	Même matière Mécanique	Même matière Mécanique	Matière spécifique gel jet d'eau
Post traitement Plaque support jetable	Non oui	UV oui	Non Non	Non Non
Matériau	ABS plus E = 2265 MPa R = 36 MPa	Résine photosensible E = 1550 MPa R = 33 MPa	PVC en feuille NC NC	Verowhite plus E=2495 MPa R=60 MPa
Durée de fabrication pour nos 2 pièces pour un jeu de 30	 Moins 1h00 12h00	 ? 	 ? 	 2h40 9h20

Les deux pièces test que nous avons donné à prototyper :



Ø11,2mm

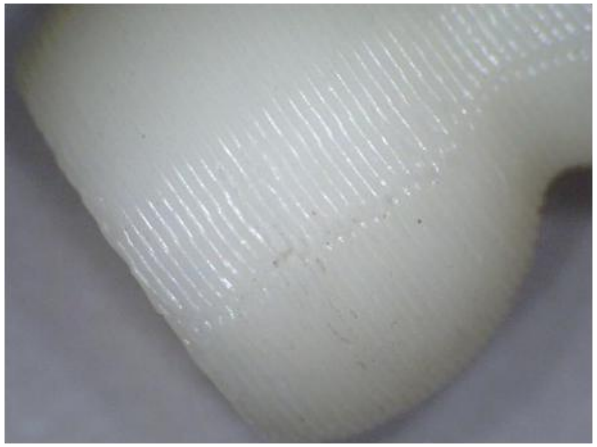
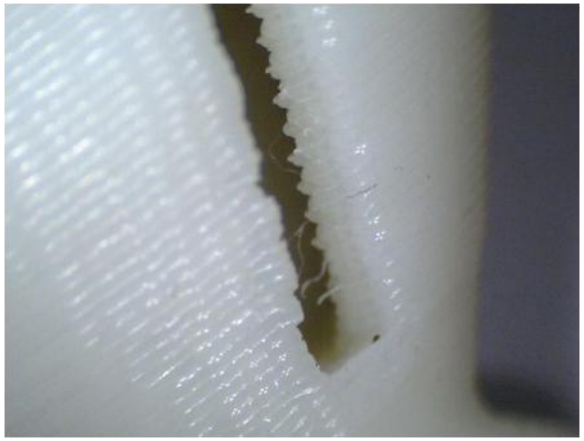
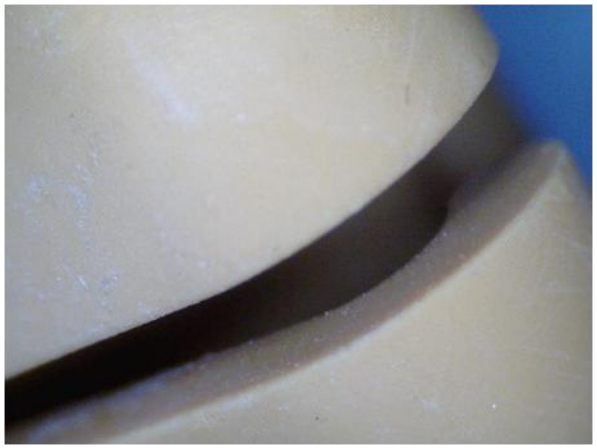
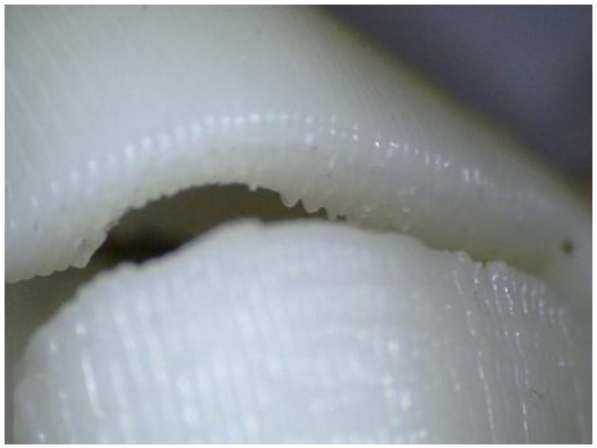
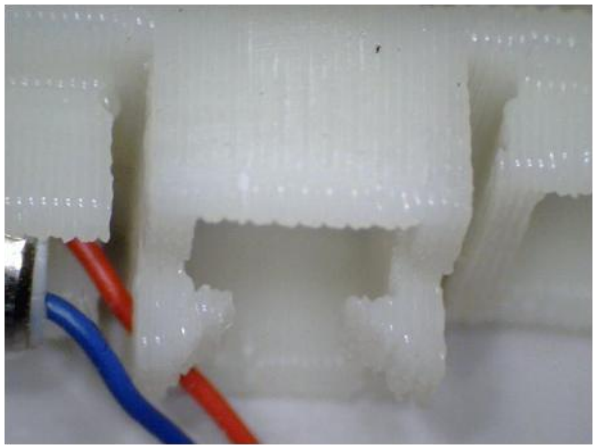


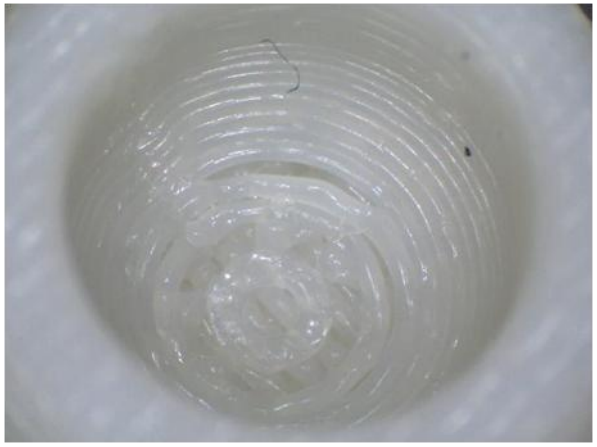
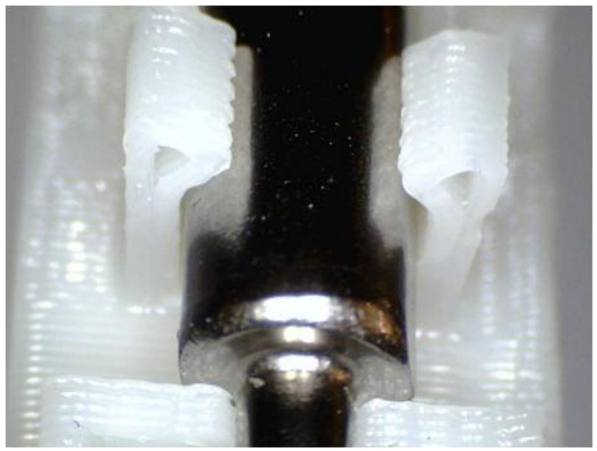


10 x 10 x 40 mm
épaisseurs mini 1 mm

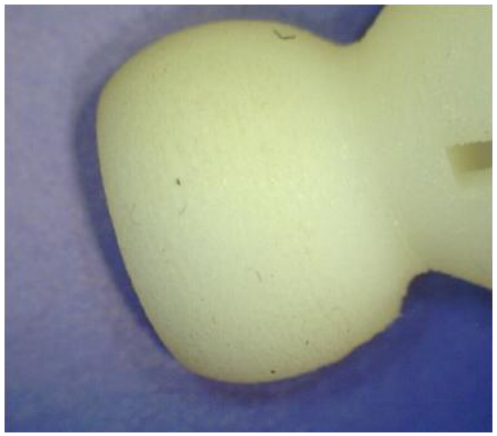
Perfactory
(notre machine actuelle en STS CIM)

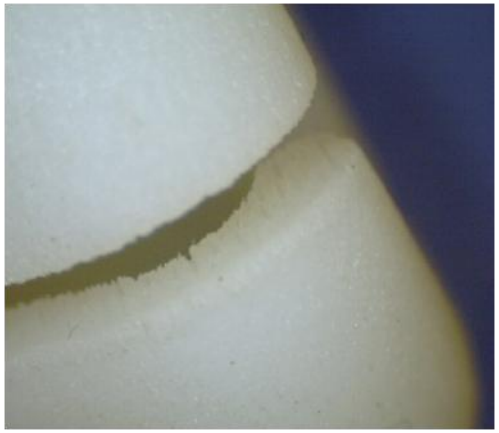
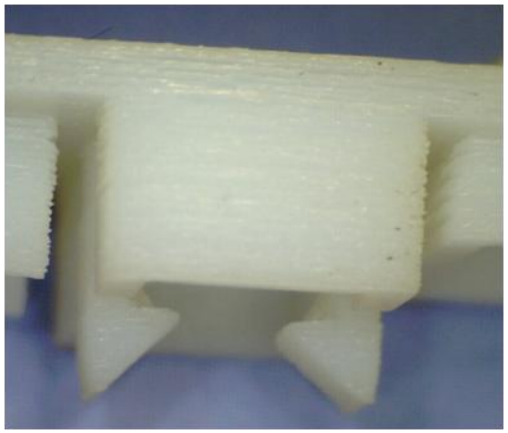
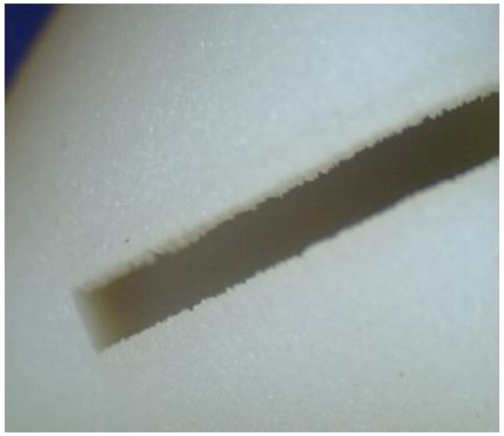
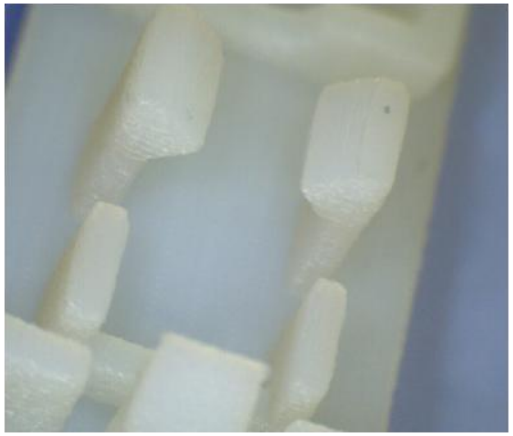
U-Print (FDM)

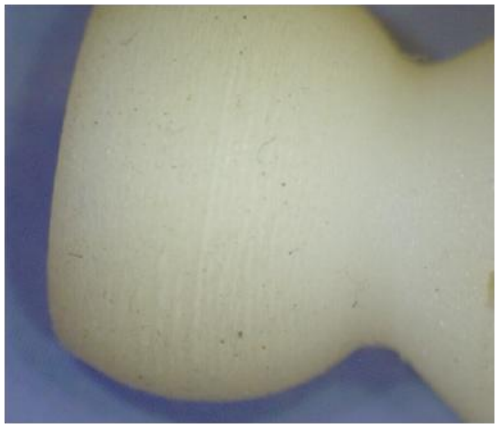



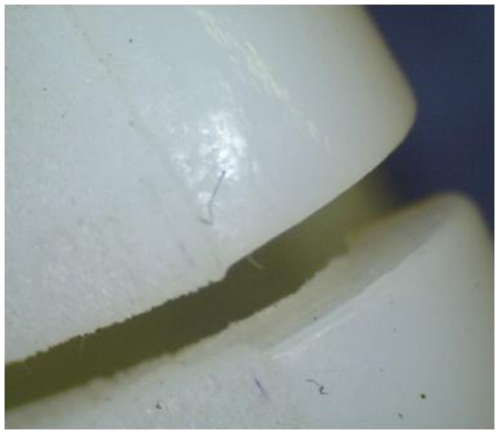
Alaris 30

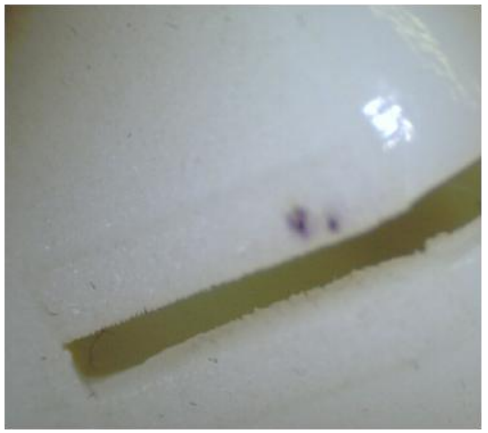


Objet 24








V-Flash