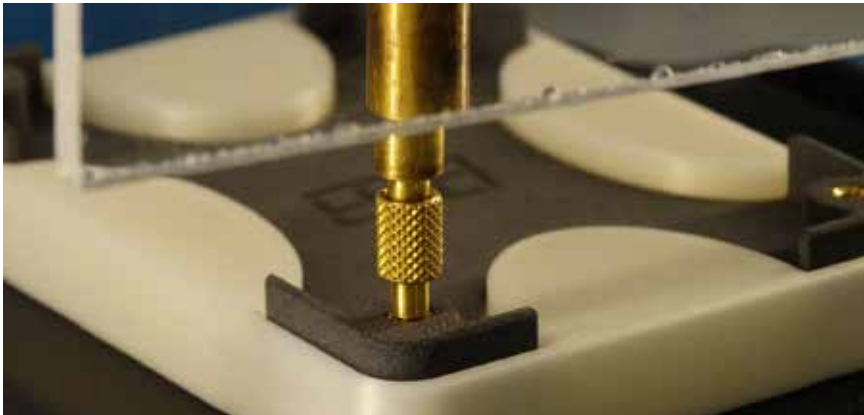


Finishing

Threaded Inserts

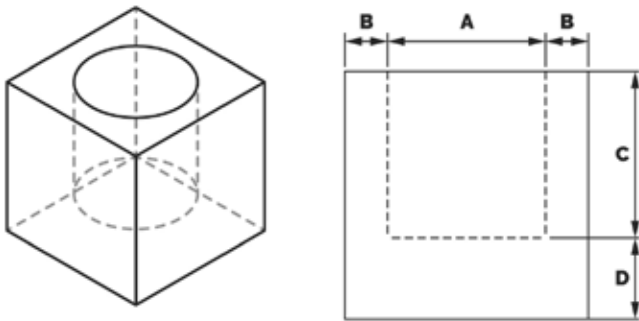
Heat staking

Heat Staking is a process that uses heat to join threaded inserts to already printed parts that need to have a threaded connection. This is a fast process and ensures that there is a consistent thread on the part, thus allowing the part to have a longer life span. To perform this process, the insert is preheated through induction and then pressed against the location where it will be housed.



Geometric Considerations

In order for the insert to be properly placed, some geometric rules that ensure correct coupling must be respected. These standards can be seen in the following table:



	A [Ø]	B	C	D
M2×4,0	3,2 mm	1,3 mm	4,0 mm	1,0 mm
M2×2,5	3,0 mm	1,3 mm	2,7 mm	1,0 mm
M3×5,8	4,1 mm	1,6 mm	5,8 mm	1,0 mm
M3×4,0	4,1 mm	2,3 mm	5,0 mm	1,0 mm
M4×8,2	5,7 mm	2,1 mm	8,2 mm	1,0 mm
M5×9,6	6,5 mm	2,6 mm	9,6 mm	1,0 mm
M6×12,8	8,1 mm	3,3 mm	12,8 mm	1,0 mm
M8×12,9	9,7 mm	4,5 mm	12,8 mm	1,0 mm
M10×13,7	11,7 mm	4,0 mm	13,7 mm	1,0 mm

Finishing

Surface Treatment

Polishing

Machining process applied through vibratory finishing equipment. Proprietary recipes of media, paste and liquid are applied to achieve a delicate high-quality finish on AM parts.

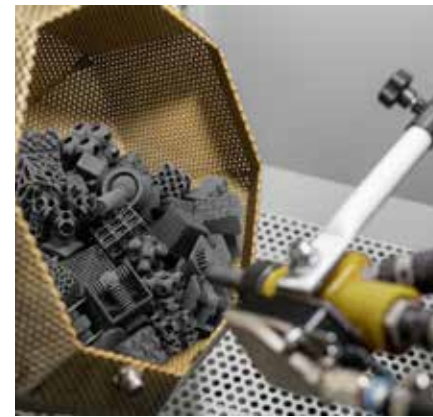


Before

After

Blasting

Mechanical surface treatment of parts by the action of abrasives. In-house developed recipes of media allow an effective smoothing or cleaning of AM parts.



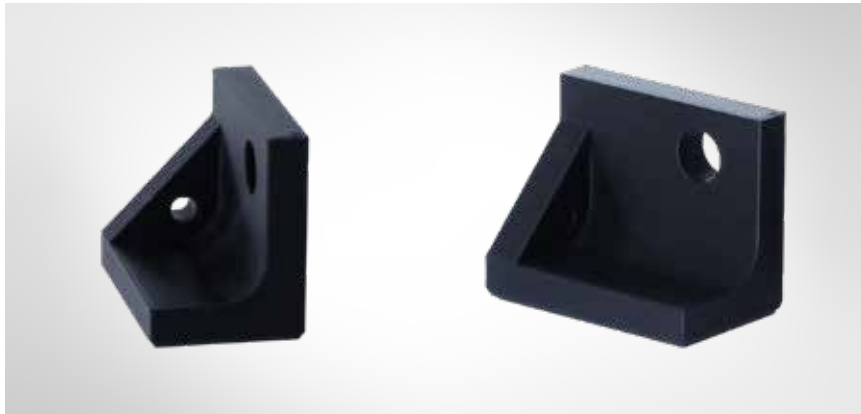
Before

After

Vapor Smoothing

Surface treatment process that requires the management of temperature, pressure and specific solvents. Evenly smooths all kinds of surfaces on AM parts.

Available for: EON ABS/ASA, EON PA12, EON PA12-GF.



Before



After



Before



After

Finishing

Coating

Dyeing

Coloring process through the penetration of dye in the parts that allows to long-lasting, UV-stable coloring.

Available colors*: **Yellow, Orange, Red, Green, Blue and Black**

Available for: **EON PA12, EON PA12GF**

*Other colors on request.



Before

After



After

Spray Painting

Coating that allows to achieve high-quality results, offering multiple surface finish options like matte, semi-gloss or glossy.

Available colors*: ● RAL9005, ● RAL3000, ● RAL9003, ● RAL6018, ● RAL5005

Available for: **All, except flexible or rubber-like materials.**

*Other colors on request.



Finishing

Special Applications

Laser Engraving

Manufacturing process for marking of objects using a laser.



Sterilization

Steam sterilization in autoclave for thermoresistant devices. Sterilization cycle according to ISO 17665 overkill approach, Minimum 134°C for 5'. EtO sterilization in chemical chamber for thermoresistant and thermosensitive devices. Sterilization cycle according to ISO 11135, 21kg +/- 2 kg EtO, 4h exposure (final product within residual EtO <2ppm).

