What is HP Multi Jet Fusion (MJF)?

HP Multi Jet Fusion Technology

Unlike other 3D printing technologies, HP Multi Jet Fusion is Powder Bed Fusion 3D printing technology which prints each layer of new material and agents on top of a previous layer that is still molten - so that both layers fuse completely – delivering strong, quality, detailed, and functional 3D printed parts.

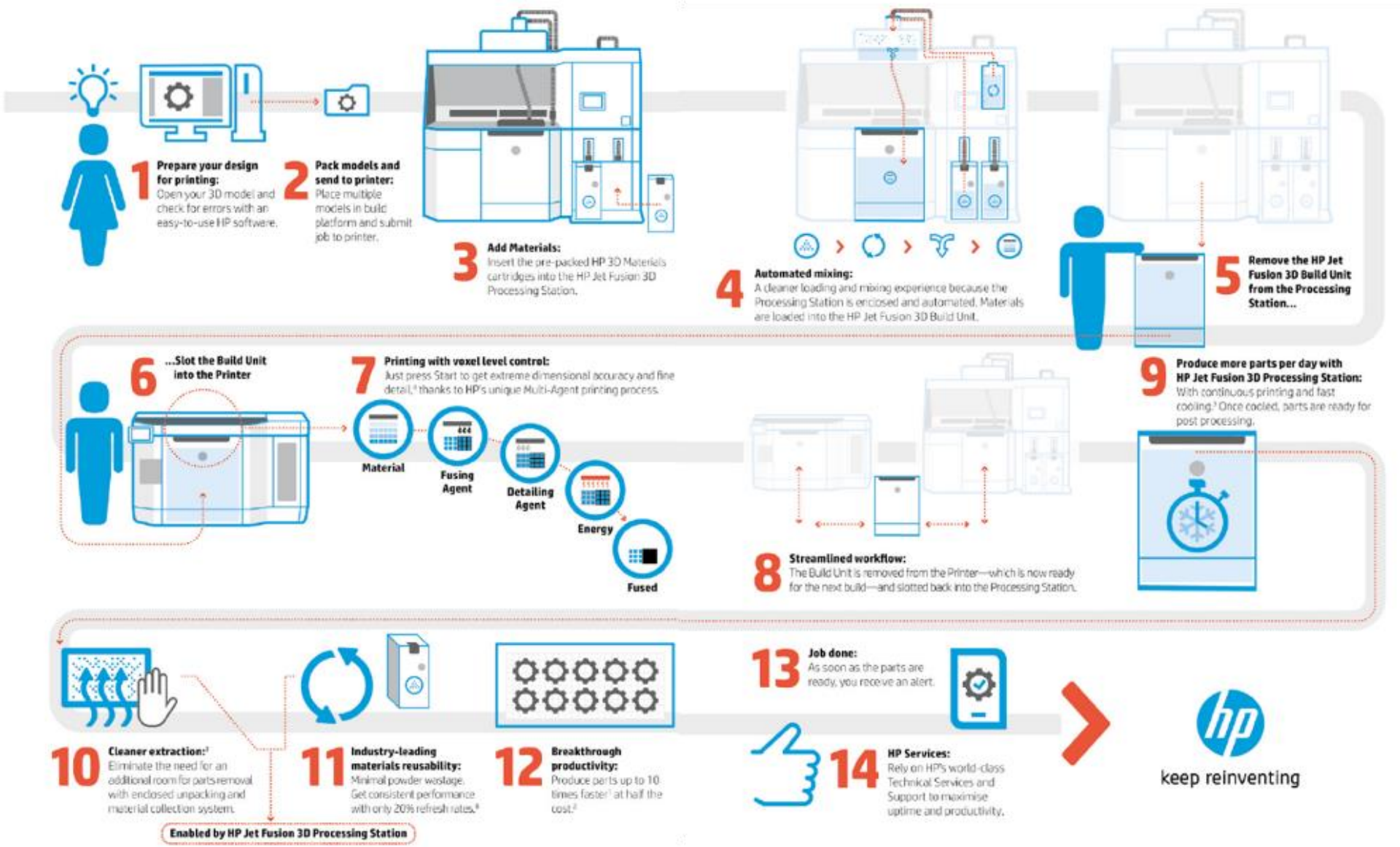
https://www.youtube.com/watch?v=tdNjlmNaNuU&feature=emb_logo

HP Multi Jet Fusion 3D Printing Solution

The new HP Jet Fusion 3D Printing Solution is much more than a 3D printer — it's a true, end-to-end solution. It begins with easy-to-use software that streamlines print preparation. After that, an automated Processing Station provides a cleaner loading and mixing experience. Loaded build unit then moves onto the HP Jet Fusion 3D Printer to complete printing process and finally returns to the Processing Station, which includes a fast-cooling module and an enclosed unpacking and material collection system for clean extraction.

https://www.youtube.com/watch?v=GHuh3hhpffk

HP Jet Fusion 3D Printing Workflow



HP Multi Jet Fusion (MJF) Design Guidelines

Designing for MJF

Specification	HP Jet Fusion 4200/5200
Maximum Job Size	130 x 130 x 130 mm
Supported Materials	HP 3D HR PA12
Layer Thickness	0.08 mm
Dimensional Accuracy	± 0.2 mm
Minimum Hole Diameter	0.5 mm
Minimum Printable Font	6 pt
Printable Features or Details	0.1 mm width
Minimum Wall Thickness	0.5 mm
Design File Format	.3mf, .stl, .obj, wrl