WASHINGTON MILLS
CERAMICS CORPORATION

A Worldwide Leader in Ceramic Media Manufacturing

DURAMEDIA®

"THE BEST START TO A GREAT FINISH"

Washington Mills Ceramics has created ceramic and plastic media formulations for finishing 3D printed products utilizing a proprietary blend of internally developed and engineered abrasive materials. Our high density products offer the highest metal cutting ability of ANY ceramic or plastic media manufactured. Washington Mills is a worldwide manufacturer of specialty abrasives used for metal cutting and finishing applications since 1868.

3DCM®

- For use in high energy equipment
- 3DCM® has a fracture resistant matrix
- Dramatically reduces deburring time
- Designed for tough alloys such as titanium, stellite or cobalt chrome
- Applications: 3D printed parts for Aerospace, Medical and Automotive

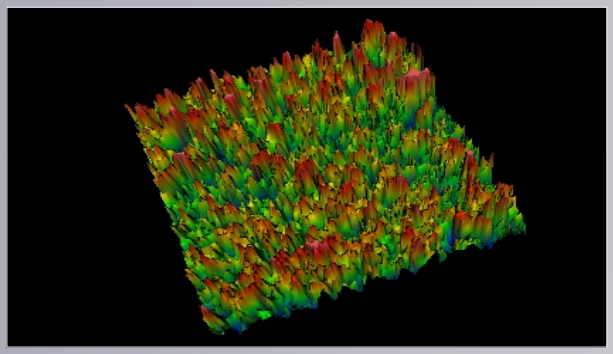
3DCML®

- For use in standard vibratory bowls and tubs
- Contains a higher concentration of proprietary abrasives
- Designed for use on the hardest alloys
- Applications: 3D printed parts for Aerospace, Medical and Automotive

3DPM

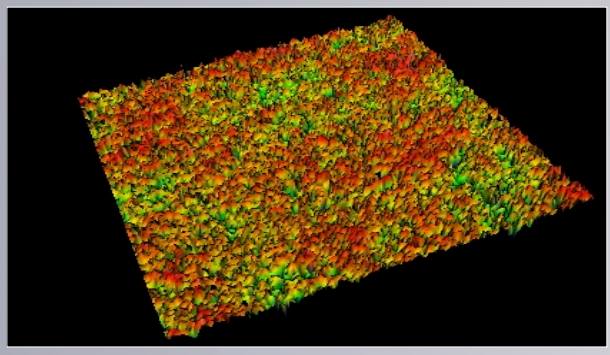
- High density plastic media
- For use in high energy and standard vibratory bowls and tubs
- Applications: For mass finishing 3D plastic parts when vacuum plating or paint coatings are required

BEFORE – Raw 3d printed (Arcam EBM®) titanium 6Al-4V



	µm	µin
SRa	18.579	731
SRz	99.52	3918
SRmax ISO	240.935	9486
Ra	21.718	855
Rz ISO	95.53	3761
Rmax ISO	126.38	4976

AFTER – 3D printed part after 2 hours of finishing (Arcam EBM®) titanium 6Al-4V



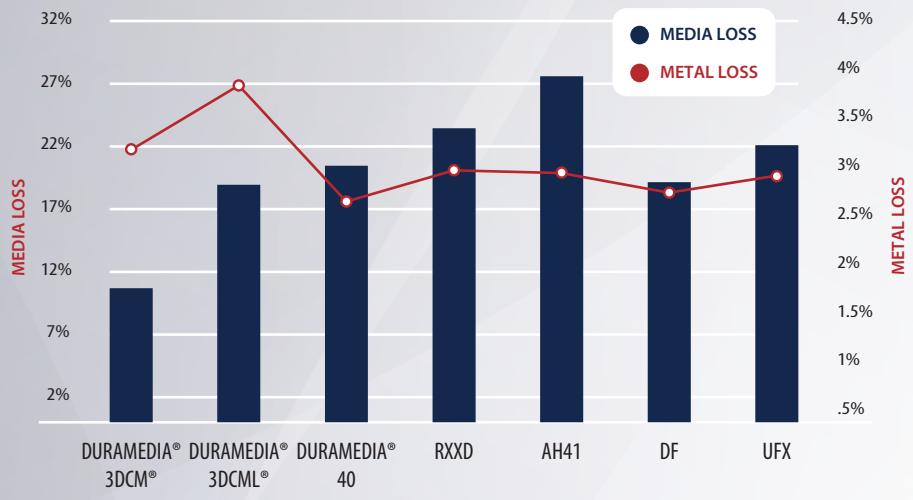
3D Topography courtesy of: Jack Clark, Surface Analytics LLC

	µm	µin
SRa	1.305	51
SRz	10.189	401
SRmax ISO	39.614	1560
Ra	1.814	71
Rz ISO	9.828	387
Rmax ISO	14.831	584

TITANIUM 6Al-4V 1"X1"X.125"

12Gs for 1 hour in a Harperizer 2VM - 13

Washington Mills Ceramics 3D media as compared to common fast cutting media.



3D Parts Processing Laboratory

We provide parts finishing services to 3D printing for selecting media to properly finish the parts. Save your 3D printing company time and money by conducting the trial finishing of a 3D printed part in our parts processing laboratory.

*For more information or to begin testing your 3D printed parts with our custom designed ceramic and plastic formulations, please call **888-676-1846** or email **ceramicsales@washingtonmills.com***

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