



Shown: Thruster and Hot Fire, courtesy of Parabilis Space Technologies

DMLS Thrusters

DMLS Benefits

- Reduce weights up to 70% by Latticing
- High Tolerance Precision Designs
- Reduce material usage by 50%
- Cost effective exotic metal production
- Eliminate Assemblies, Gaskets, Seams
- Reduced R&D Risk/Fast Design Change

Stock & Custom DMLS Powders

- Inconel® 718 & 625
- Titanium
- Aluminum
- Stainless Steel 15-5, 17-4, 304L, 316L
- Maraging (tool) Steel
- Monel K500

Typical Held Tolerance (inches)

- Inconel +/- 0.002
- Titanium +/- 0.001
- Aluminum +/- 0.004
- Stainless Steel +/- 0.001



Shown: Rocket Part, courtesy of Bagaveev Corporation



EOS M280 / M290 (DMLS)

- Most proven system for 3D Metal Printing/Manufacturing
- Cost Efficient manufacturing of high quality metals
- Reduce weight up to 70% with latticing internal geometries
- Direct manufacture from CAD data in .STL file format in hours
- Capable of producing non-linear channels / complex designs



+GF+ CUT30P (EDM)

- On-board technology that allows unique speed cuts
- Handles wire diameters ranging from 0.15mm to 0.30mm
- Accuracy of up to one-thousandth of a millimeter (.001)
- Conductive materials to any hardness (i.e. steel or titanium)
- Surface finish as fine as 5 microns



Solutionix Rexcan CS+ (Blue Light Scanner)

- Reverse Engineering, Inspection, Quality Assurance
- From obsolete part to 3D CAD file in minutes
- Automatic alignment & Active sync
- Accurate and detailed data scan using an automated calibration process
- Twin Blue LED camera with an integrated Sensor