DMLS materials
Posted by cathaychris - 2013/06/22 23:20

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Hi,

I have a few questions about the metal materials advertised as available on the materials page.

The DMLS Ti64 doesn't have a unit price -- can I expect it to be much more expensive than the DMLS Al?

What is the difference in the Cast Al and DMLS Al process? They both seem powder-based and this confuses me, but I am most interested in any distinction in surface quality or geometric constraints.

I am not too familiar with the DMLS process. How possible is it to remove "support" material from small cavities and holes in a part, that would not be easily mechanically accessible?

Thank you.

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Re:DMLS materials
Posted by Marco CM - 2013/06/24 10:13

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Hello,

Currently DMLS metals require a direct quote process and are not available in the Auto-Quoting Model Editor system. In order to obtain a quote for a 3d print in a specific DMLS metal, please email the model or link to download the model to websales@kraftwurx.com along with details of your quote request such as quantity and scale. A member of the Kraftwurx staff will contact you with a formal quote to produce the part in the given material.

"The DMLS Ti64 doesn't have a unit price -- can I expect it to be much more expensive than the DMLS Al?"

-DMLS Titanium Ti64 is more expensive than DMLS Aluminum.

"What is the difference in the Cast Al and DMLS Al process? They both seem powder-based and this confuses me, but I am most interested in any distinction in surface quality or geometric constraints."

-DMLS metals are laser sintered powdered metals. Cast metals are lost-wax investment casting processed metals (molten metals).

"I am not too familiar with the DMLS process. How possible is it to remove "support" material from small cavities and holes in a part, that would not be easily mechanically accessible?"

-DMLS does build hard supports inside cavities and under-hangs that must be removed by machine processing.

-Cast metals are lost-wax investment casting processed metals. Cast metals do not require supports.

Please let me know if you this answers your questions.

-Thank you,

Marco CM

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