

Rain protection shell for microphones

When: 12.-13.march 2019 **Where:** AM EXPO, Luzern, Hall 2, Booth: F2202

Rain cover for microphone

Since it weathered too quickly outdoors, a new rain cover for a microphone had to be manufactured. Learn how LaserJob GmbH used 3D metal printing to produce the finest, waterproof metal grids without compromising the functionality of the microphone.

LaserJob Rapid 3D GmbH was asked to produce a new, weatherproof rain cover made of stainless steel for a microphone. The existing protection made of plastic fabric weathered too quickly outdoors.

By means of 3D metal printing (SLM), a shell structure was to be produced that would protect the microphone from moisture without impairing the acoustic properties of the microphone.

The particular challenge with this order was the pressure of the tight-meshed metal net around the microphone as well as an internal channel without a support structure.

The additive microphone shell made of stainless steel meets both of the customer's criteria: It provides the microphone with reliable protection against moisture without affecting its functionality.

3D goes micro - ideal for filigree structures

3D metal printing (SLM) is one of the most modern technologies for producing the finest geometries in a single operation that cannot be produced using conventional methods.

LaserJob Rapid 3D is a service provider in the field of 3D metal printing (SLM) and specializes in the production of filigree structures made of stainless steel 1.4404. According to our slogan "3D

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goes micro", we have set ourselves the goal of further refining our current wall thicknesses of 80 to 100 μm in order to produce even more filigree structures.

Do you have any questions about the possibilities of manufacturing filigree 3D components from stainless steel? Our team will be happy to advise you - from design to post-processing of your 3D metal prints.

For more information please visit our homepage: www.laserjob.de



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