





Nick Turner

... describing the rise and impact of automated depowdering in general

In 2017 we had **2 people** working in machine setup and Manual Depowdering. In 2020 we have **4 people** working in Machine setup and automated Depowdering with double the quantity of printers and we are generating **more than 3 times the quantity of parts** we were in 2017.

as Head of Programme
Management Office at
MATERIALS SOLUTIONS...





Nick Turner

as Head of Programme Management Office at MATERIALS SOLUTIONS...

... describing impact of automated depowdering with Solukon

As our technicians work on both the print setup and the depowdering, we have not directly substituted roles by having the Solukon machines, however as the machines are automated, it allows the technicians to be available for more than 3 hours per build for other value adding build setup activities in the factory that were previously spent on manually Depowdering.

Systems for automatic depowdering











SFM-AT200

Cleaning envelope 300 x 300 x230 mm³ 60kg SFM-AT300

Cleaning envelope 350 x 350 x 430 mm³ 60kg SFM-AT800

Cleaning envelope 800 x 400 x 550 mm³ 300kg SFM-AT1000

Cleaning envelope 600 x 600 x 1000 mm³ 600kg

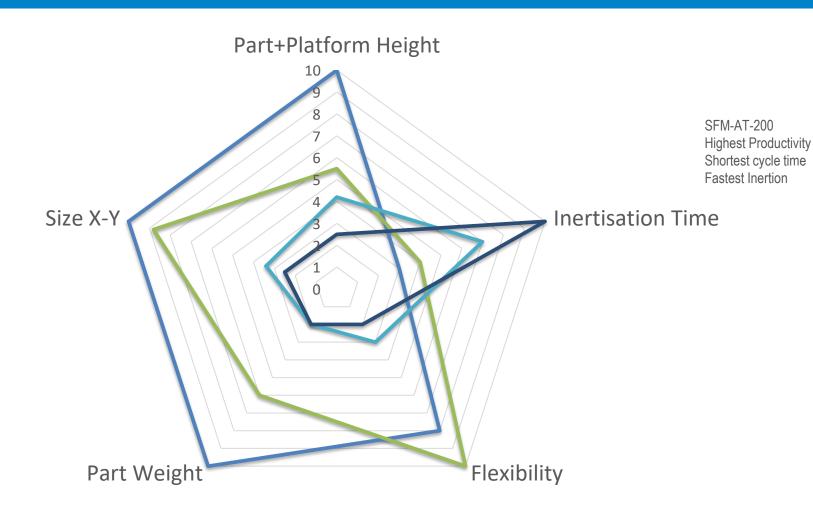


—SFM-AT-1000-S

—SFM-AT-800/-S

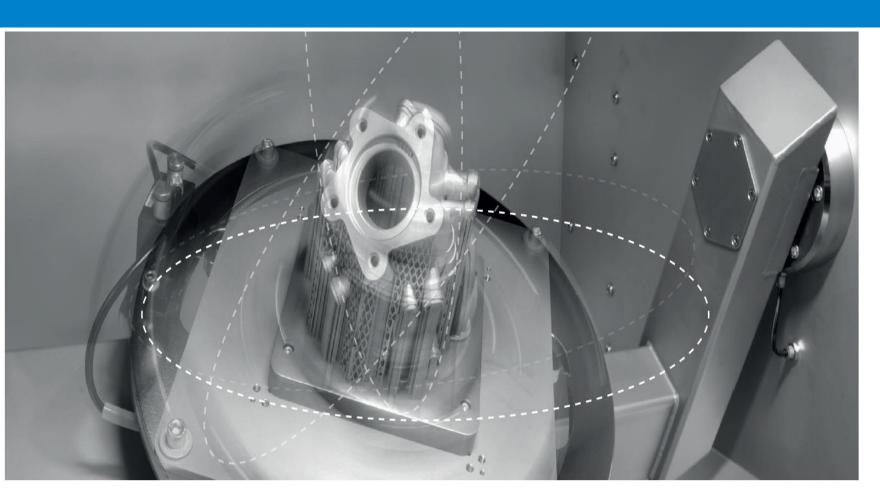
—SFM-AT-300

—SFM-AT-200



Automatic depowdering





Automatic depowdering



Programmable 2-Axis
Movement



Powder Fluidization with Controlled Vibration



Protected Atmosphere

Automatic depowdering





Automatic depowdering



+ Time saving up to 90%



+ Contamination free powder-recovery



+ Protection from hazardous dusts

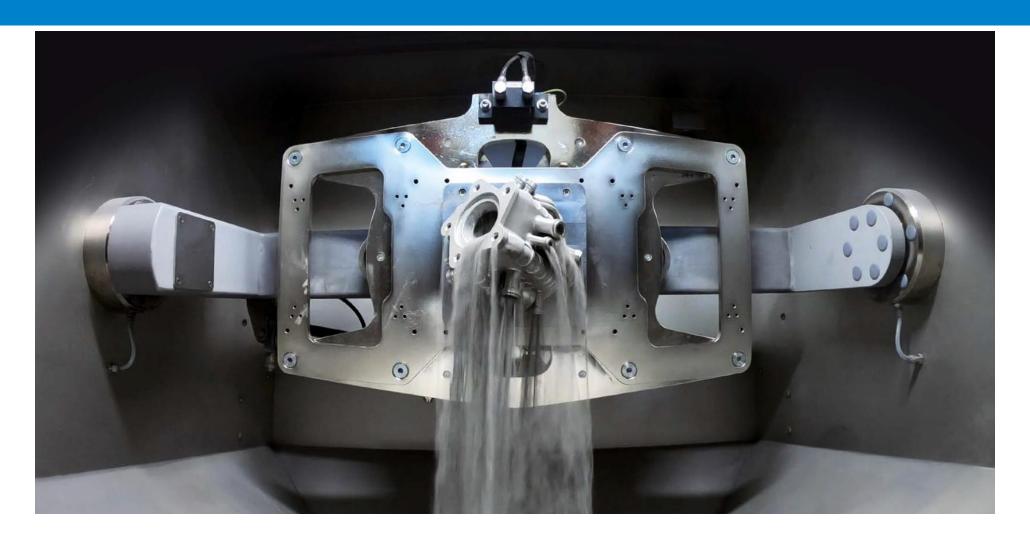


+ Protection from dust explosion



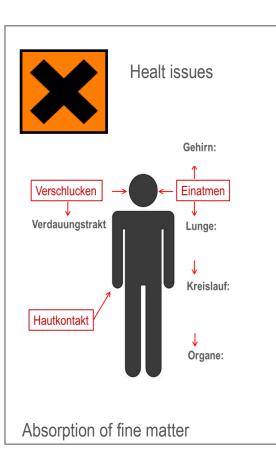
+ Reproducable cleaning results

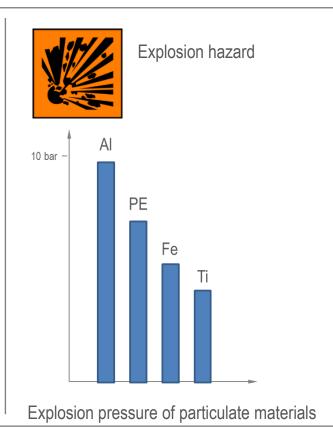


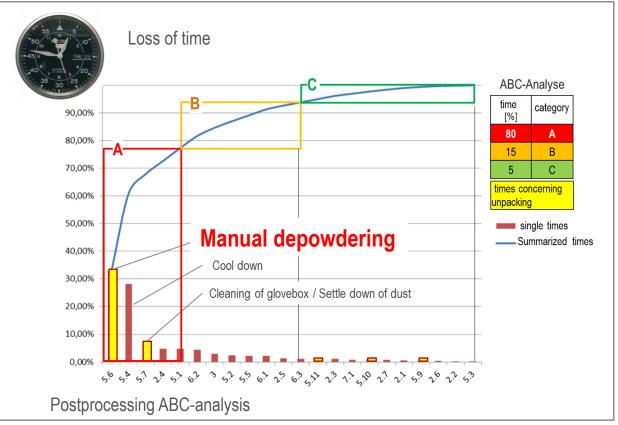


Issue Postprocessing



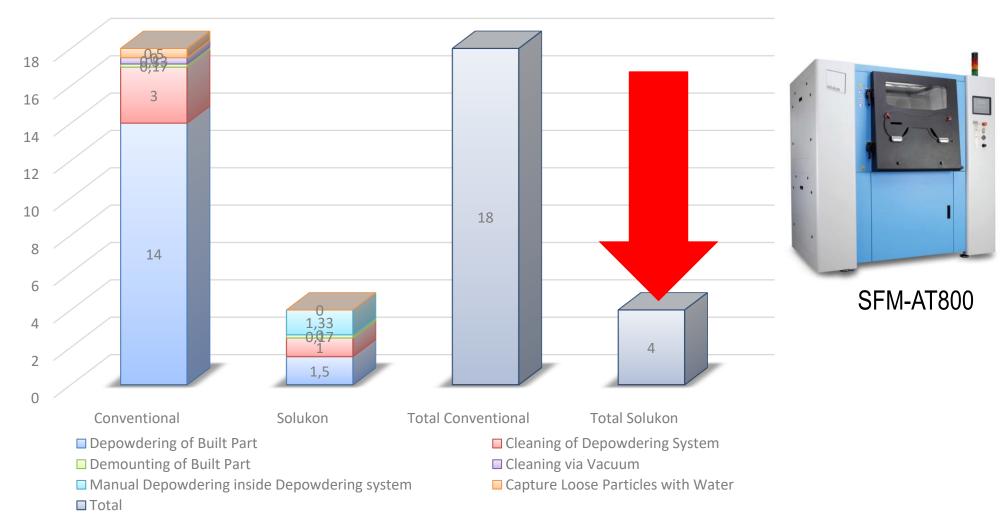




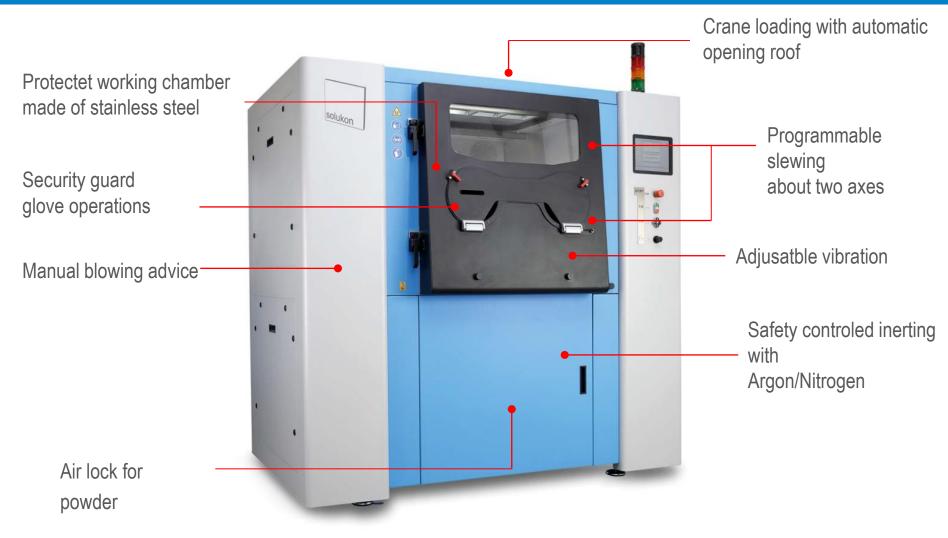


Time saving through automatic depowdering



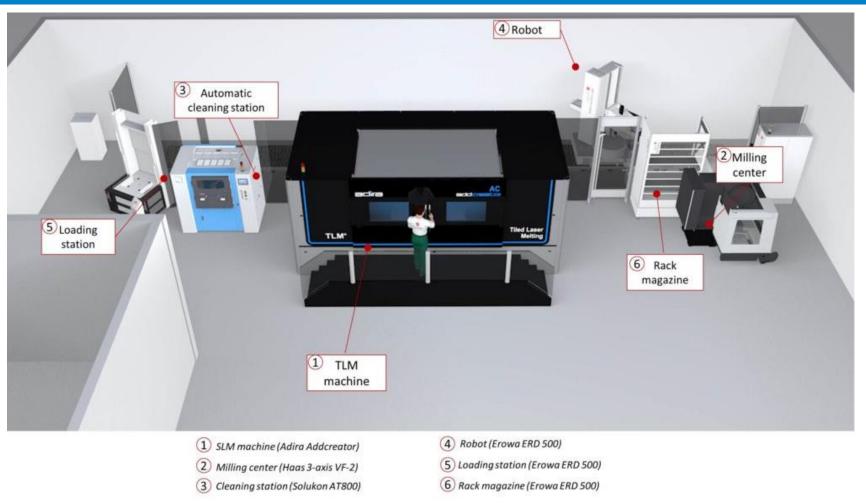






Hyprocell Projekt

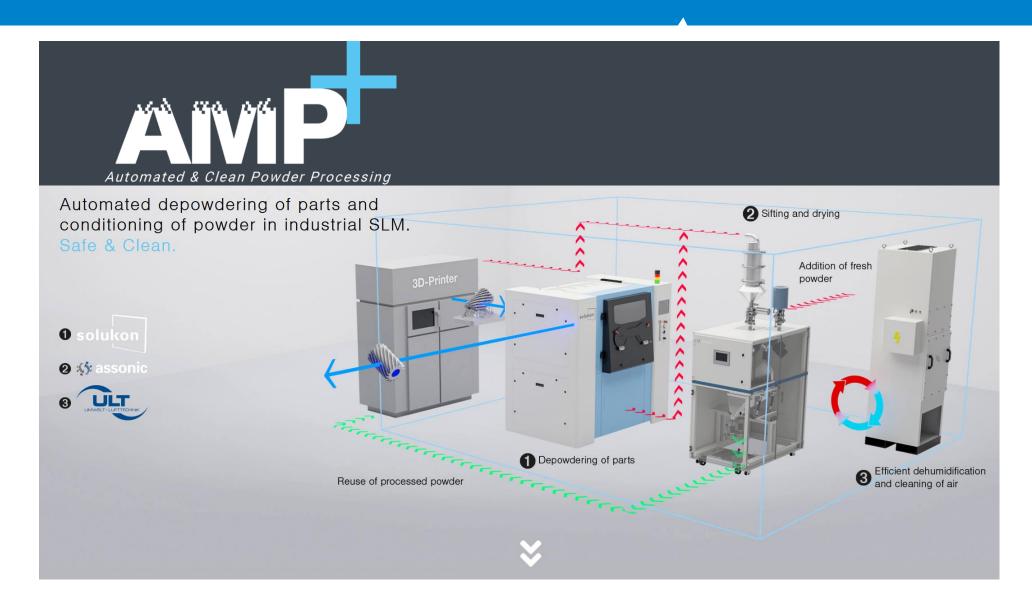




Quelle Hyprocell: http://www.hyprocell-project.eu/

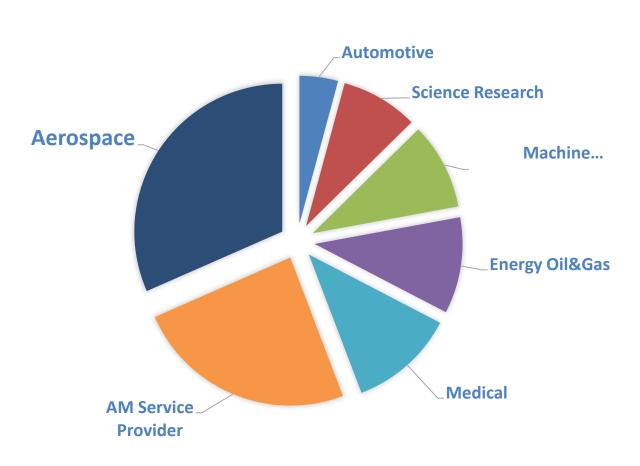
Netzwork AMPPlus





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Fraunhofer















