

Event at a glance

Workshop Venue:

Ringhotel Munte am Stadtwald

Parkallee 299 | 28213 Bremen

Phone +49 421 2202 -0

www.hotel-munte.de

Book your room for this event directly at the hotel and benefit from the reduced Fraunhofer booking rate.

Tabletop exhibition

Exhibitors: Concept Laser GmbH, Fraunhofer IFAM, HP, Incus GmbH

Contact

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Fraunhofer IFAM

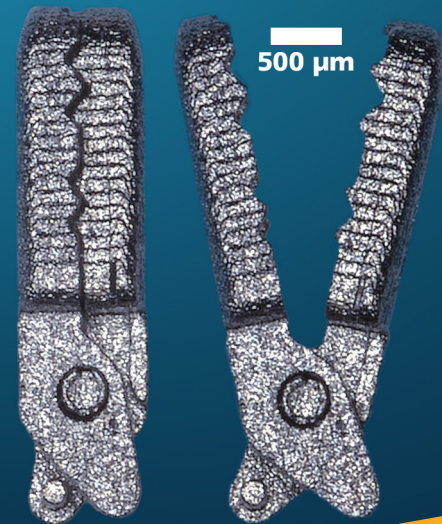
Wiener Strasse 12

28359 Bremen

www.ifam.fraunhofer.de

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July 2024



2023 Component Award winner:
INCUS GmbH

© INCUS GmbH

4. + 5. Sept. 2024, Fraunhofer IFAM Bremen

5. Workshop
Sinter-based Additive
Manufacturing

PROGRAM & INFORMATION

For the fifth time we will present and discuss with you the challenges and opportunities for serial production with sinter-based Additive Manufacturing technologies along the value chain. Our international speakers from industry and R&D will provide insight into the latest advancements and industrial implementation of the respective technologies. The workshop program will be supplemented by an expert's panel discussion, a tabletop exhibition and a Component Award.

Program Workshop Day 1

4. Sept 2024, Hotel Munte, Bremen

from 10:00 Registration and coffee

10:15 – 11:45 Session 1

Welcome and Introduction

Dr. Sebastian Hein, Fraunhofer IFAM

»Market figures and developments in Additive Manufacturing«

Matthias Schmidt-Lehr, AMPOWER

»Changing sintering behaviour for a novel depowdering approach in Metal Binder Jetting«

Matina Youshin, Volkswagen AG

11:45 - 13:15 Lunch Break

13:15 - 14:00 Component Award Presentation

14:00 - 15:30 Session 2

»presentation titel pending«

N. N.

»From innovation to operation - the ADDIMETAL K2 French MBJ machine«

Franck Liguori, Mohamad Koubar, ADDIMETAL

»Use cases and production implementation of MBJ«

Radoslav Behul, PRINTY

15:30 - 16:00 Coffee Break and Exhibition

16:00 - 17:30 Session 3

»Overcoming the Challenges of Industrialising a Binder Jet Manufacturing Solution«

Robert Dean, Colibrium Additive Manufacturing

»Quality control of MBJ parts with CT scanning«

Dagny Primdahl, Grundfos

»Sinter-based temperature sensors«

Mario Kohl, Dr. Ingo Wirth, Fraunhofer IFAM

19.00 – 22.00 Evening Get-together



Program Workshop Day 2

5. Sept 2024, Hotel Munte, Bremen

09.00 – 10.30 Session 4

»HP Metal Jet S100: A Journey from Lab to Serial Production««

Rocío Muñoz Moreno, HP Inc.

»Industrial metal binder jetting - potentials in the field of high-speed steels / HSS«

Maximilian Neck, ProductionToGo

»Cold Metal Fusion: Use cases and applications of the technology«

Rémy Bernhardt, MIMplus
Levent Akbas, Headmade Materials

10.30 – 11.15 Coffee Break and Exhibition

11.15 – 12.00 Panel discussion: »Implementation of Sinter-based AM«

12.00 – 13.30 Lunch Break

13.30 – 15.00 Session 5

»Efficiency and Scale: High-Volume Metal Manufacturing with Lithography-based Metal Manufacturing«

Kevin Kröning, Metshape

»New approaches with Sinter-based AM parts for high-frequency communications«

Jakob Scheibler, Fraunhofer IFAM Dresden

»Binder Jetting for Fusion Energy: Opportunities and materials«

Asier Lores, Tecnalía

15.00 – 15.30 Coffee Break and Exhibition

15.30 – 16:30 Session 6

»Debind + Sinter of uncommon materials. Tools, tips and tricks«

Stefan Joens, Elnik Systems, LLC

»Latest developments of Osprey® HCCu and Osprey® Cu-alloys for additive manufacturing«

Eleonora Bettini, Sandvik Osprey



2024 Sinter-based AM Component Award

Call for entries

Additive Manufacturing, like no other production technology, has received immense public attention these last few years, thanks to the potential to change industrial production. To highlight the many advantages of sinter-based AM at the workshop's tabletop exhibition, we would like to invite all participants to submit sinter-based AM parts for our Component Award competition at the 2024 Sinter-based AM workshop.

The first three winners will each receive 10 minutes presentation time on the second day of the workshop where they may present their company and their sinter-based AM activities to all attendees.

The winners will also be presented in Fraunhofer IFAM's Social Media accounts and mentioned in all news releases that are related to the 2024 workshop.

Terms of participation

- Eligible for participation:
All natural persons, companies, institutes or co-operation teams consisting of members from science and commerce who attend the 2024 workshop. Participants must hold the copyrights for their submission(s) and must not violate existing rights of third parties.
- Each participant can submit a maximum of three components.
- Participation is free of charge.
- Entry forms for participation are available as download on the workshop's registration website or upon request from Claus Aumund-Kopp.

Criteria

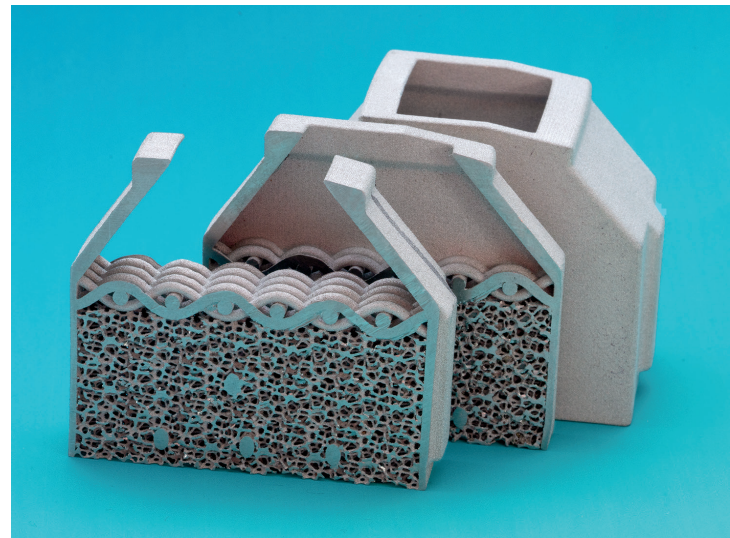
- Material
- Design
- Economical aspects
- Application

Deadline for entries

In order to participate in the competition, the components must be shipped to:

Fraunhofer IFAM
Claus Aumund-Kopp
Wiener Strasse 12
28359 Bremen, Germany

prior to Tuesday, 20. August 2024. Please fill out a separate entry form for each submitted component.



Winner of the 2022 Component Award: GKN Additive presenting their Metal Binder Jetting particle filter for a circuit breaker application of Schneider Electric