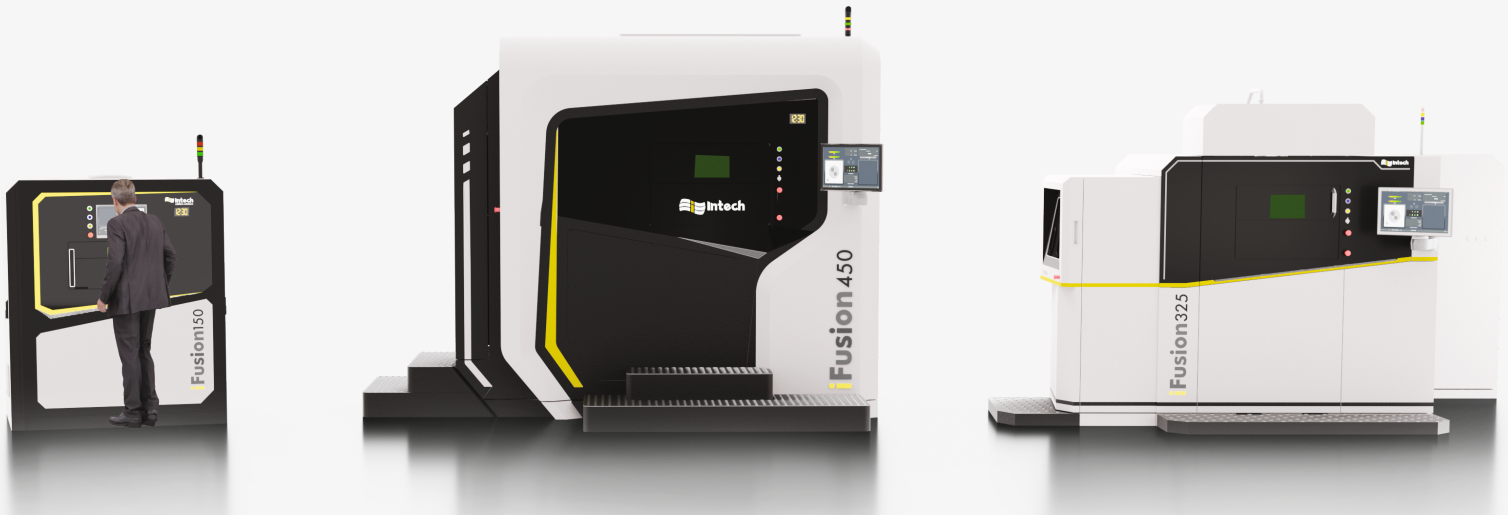


# WORLD'S FINEST METAL LPBF MACHINES



## iFusion150

Intech indigenously designed and developed a high-performance Small Format LPBF Metal 3D Printer

- Build Volume : 150mm x 180mm
- Laser Power : 500W / 1000W
- No. of Laser : 1

## iFusion450

Intech indigenously designed and developed a high-performance Large Format LPBF Metal 3D Printer

- Build Volume : 450mm x 450mm x 450mm
- Laser Power : 500W / 1000W
- No. of Laser : 1 / 2 / 4

## iFusion325

Intech indigenously designed and developed a high-performance Mid Format LPBF Metal 3D Printer

- Build Volume : 325mm x 325mm x 420mm
- Laser Power : 500W / 1000W
- No. of Laser : 1 / 2

### MATERIALS

- |                         |                     |                  |                        |                    |
|-------------------------|---------------------|------------------|------------------------|--------------------|
| ○ <b>AlSi10Mg</b>       | ○ <b>18Ni300</b>    | ○ <b>13Ni400</b> | ○ <b>SS316L</b>        | ○ <b>17-4PH</b>    |
| ○ <b>IN718</b>          | ○ <b>IN625</b>      | ○ <b>CoCrMo</b>  | ○ <b>Ti64</b>          | ○ <b>CM247LC</b>   |
| ○ <b>Hastelloy C22*</b> | ○ <b>Monel 400*</b> | ○ <b>CuCrZr*</b> | ○ <b>Niobium C103*</b> | *Under Development |

### EXPERIENCE THE INTECH ADVANTAGE

10 Years In The AM Industry

Software & IOT Integration Capabilities

Strategic Investments In R&D

OEM Capabilities Providing Complete AM Eco-system

Best-in-class Design, Software & Hardware For AM Capabilities

Experience In Automation & HMI Development For Metal 3D Printers

Innovation Driven Sustainable Solutions

Customer-centric, Value Based Approach

# SOFTWARE SOLUTIONS

Made in India. Built For The World.

## AMBuilder

A powerful Build Processing Software with intuitive workflows and intelligent features. Get started quickly with AMBuilder to prepare data for prints on the iFusion series and other machines.



Part Placement and Orientation



Support Generation



Path Generation

## AMOptoMet

A One-of-a-Kind Parameter Optimization Software developed by Intech. AMOptoMet predicts the best print parameters for higher productivity and superior surface finish.



Higher Productivity of 50-80%



Better Surface Finish of 2-3 Ra



Reduced Post Processing time and cost

## DESIGN FOR ADDITIVE MANUFACTURING (DfAM)

### For a complete AM Journey

Design for Additive Manufacturing (DfAM) is the process of reimagining the part topology and providing optimized design solutions.

DfAM permits rethinking the structure of existing parts and designing them in novel ways to improve functionalities. DfAM is pivotal to make full use of the unique capabilities of Additive Manufacturing

### Intech's DfAM Expertise

- Industry-specific Domain Expertise
- In-house Resources for Software, Hardware, and Testing
- Innovative Design Approach
- Redesigning New Applications and Components
- Productionizing Identified Parts using AM

## OUR VALUABLE CUSTOMERS



DAIMLER TRUCK



### Who we are

We at Intech have been at the forefront of innovation that can transform the manufacturing industry. Our expertise in Hardware, Software and Design(DfAM) makes us one of the very few all-encompassing Additive Manufacturing solutions companies in the world. Our mission is to enable faster adoption by keeping innovation alive and enabling digital transformation through additive technology in a sustainable way.

Altem Technologies Pvt. Ltd

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