



# INDO[MAKE] INSM-300



## Where Innovation Meets Metal Mastery!



ISO 9001 : 2015  
MANUFACTURING  
FACILITY



DSIR-GOVERNMENT  
OF INDIA CERTIFIED  
IN-HOUSE R&D UNIT



MSME  
SUSTAINABLE  
(ZED)

# INDOMAKE INSM-280

## Metal 3D Printing Machine for High-Precision Applications

The **INDOMAKE INSM 300** is a cutting-edge metal 3D printing machine designed to meet the evolving needs of industries requiring high-precision, moldless production. Whether for small-scale custom manufacturing or large-scale industrial precision parts, this machine offers unparalleled accuracy and ease of use. Its applications span across industries such as aerospace, automotive, medical, dental, orthopaedics, and scientific research. With a focus on high precision, stability, and user-friendliness, the **INSM 300** provides advanced features that ensure exceptional print quality and durability, making it an ideal choice for industries requiring intricate and high-quality metal components.

### KEY FEATURES

#### ● High Precision and Quality:

Equipped with a high-precision galvanometer scanning system, the INSM 300 offers outstanding accuracy and stability, ensuring the production of precise and reliable metal parts.

#### ● Easy to Operate and Versatile:

Designed with industrial professionals in mind, the INSM 300 is user-friendly, easy to operate, and versatile enough to handle a wide range of applications, from aerospace and automotive to medical and jewellery manufacturing.

#### ● Ultra-Precision Filtration System with Fresh Air Protection:

The machine's advanced double filtration system provides superior air protection, reducing forming defects and ensuring high-quality metal printing.

#### ● Fully Enclosed Vacuum Chamber:

The machine's fully enclosed vacuum environment ensures a low oxygen content, preventing metal oxidation during the printing process and guaranteeing the integrity of metal parts.

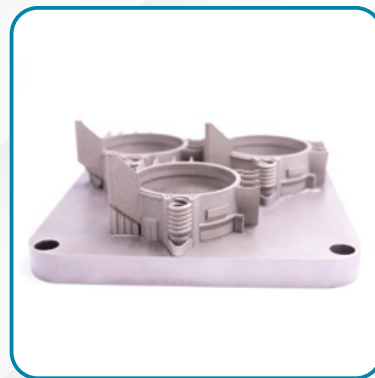
#### ● Robust Materials Compatibility:

Compatible with a variety of metals such as stainless steel, titanium alloys, aluminium alloys, superalloys, tungsten, and tantalum, making it suitable for multiple industries.

## TECHNICAL SPECIFICATION

<b>Laser Type</b>	Yb-fibre laser 500W
<b>Precision Optics</b>	High-accuracy Galvo Scanning System
<b>Scanning Speed</b>	Up to 7.8m/s
<b>Building Volume</b>	250mm × 250mm × 300mm
<b>Machine Dimensions</b>	1600mm × 1100mm × 2100mm
<b>Powder Delivery</b>	Double-cylinder One-way Powder Feeding
<b>Control System Software</b>	Self-developed Control System
<b>Data File Format</b>	STL or Other Convertible Formats
<b>Working Temperature</b>	15°C – 30°C
<b>Materials</b>	Stainless Steel, Super Alloy, Titanium Alloy, Die Steel, Aluminum Alloy, Tungsten, Tantalum

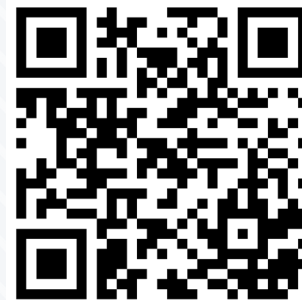
## PRINTING SAMPLES



# OUR CLIENT BASE



GET A QUOTE



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