30+ YEARS OF EXCELLENCE

STPL 3D
THINK • CREATE • SURPRISE

Precision Metal Printing, Unlimited Possibilities.

INDOMAKE INSM-150

ISO 9001 : 2015 MANUFACTURING FACILITY

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

MSME SUSTAINABLE (ZED)

INDOMAKE INSM-150

The IndoMake INSM 150 is an advanced metal 3D printer designed to meet the needs of modern industries such as aerospace, medical, jewellery, and research. With state-of-the-art features, robust precision, and high productivity, this printer ensures world-class quality in every printed part. STPL 3D brings its expertise and innovation to deliver reliable and efficient 3D printing solutions.

KEY FEATURES

HIGH ACCURACY AND STABILITY:

Achieve exceptional precision with high-accuracy galvanometer scanning and robust stability, making it perfect for intricate metal parts.

LOW OPERATING COSTS:

Optimized technology ensures cost-effective production without compromising performance.

FRESH AIR PROTECTION SYSTEM:

A fresh air and shielding system enhances quality by maintaining clean operational conditions.

FULLY ENCLOSED VACUUM CHAMBER:

Enables low-oxygen printing for enhanced material compatibility and consistent results.

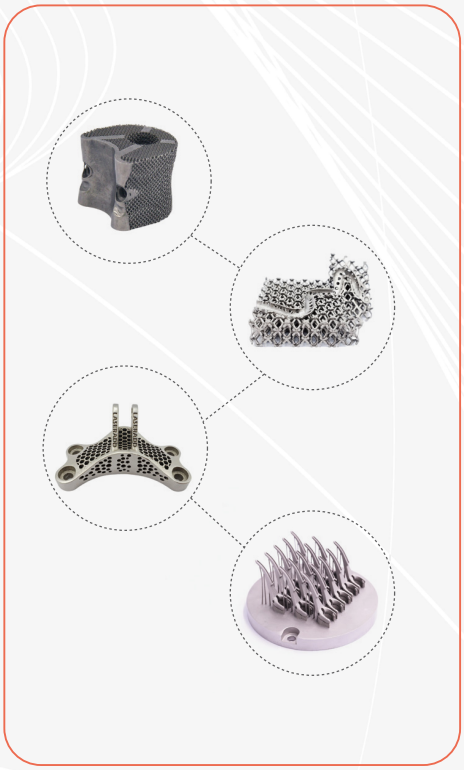
VERSATILE APPLICATIONS:

Ideal for dental, orthopaedic, jewellery, and small industrial components, delivering precision with every project.

KEY FEATURES

Laser Type	**Yb-fiber laser (200W/500W)**
Precis Optics	**High-accuracy galvanometer scanning system**
Scanning Speed	**Up to 7.8m/s**
Building Volume	**150mm x 150mm x 120mm**
Layer Thickness	**0.02mm – 0.2mm**
Dimensions	**1200mm x 800mm x 1700mm**
Powder Delivery	**Double-cylinder one-way powder feeding**
System Control software	**STPL self-developed control system**
Data File Format	**STL or convertible formats**
Power Supply and Consumption	**220V 50Hz 3kW**
Working Environment Temperature	**15°C – 30°C**
Materials	**Stainless Steel, Titanium Alloy, Die Steel, Aluminium Alloy, Tungsten, Tantalum, and more.**

The **INDOMAKE INSM 150** is a cutting-edge 3D printer designed to meet the diverse needs of the jewelry, research, and education sectors. Equipped with advanced features such as multi-material molding, a fresh air protection system, and a fully enclosed vacuum chamber, it delivers precise, high-quality prints in a controlled environment. Whether you're crafting intricate jewelry, conducting detailed research, or enriching educational experiences, the **INDOMAKE INSM 150** provides the perfect solution to turn your creative visions into reality.



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