



 NIRI

 **BLT**

MAKE EASIER
MANUFACTURING,
MAKE A BETTER
WORLD.

BLT
SOLUTIONS



STRATEGIC COLLABORATION

Welcome to the Future of Manufacturing

At NIRI, we are proud to announce our strategic collaboration with Bright Laser Technology (BLT), a global leader in Additive Manufacturing (AM) technologies.

This partnership is rooted in a shared vision of innovation, precision, and excellence, bringing the forefront of metal 3D printing solutions to the Italian market.

BLT's cutting-edge technologies are designed to revolutionize manufacturing processes, making them more efficient, sustainable, and capable of producing highly complex, high-quality components.

Through this collaboration, NIRI is dedicated to delivering these advanced solutions, enabling our clients to achieve unprecedented levels of productivity and innovation.

Our partnership with BLT goes beyond distribution; it embodies a commitment to pushing the boundaries of what is possible in manufacturing. Together, we aim to empower industries across Italy with the tools they need to succeed in an increasingly competitive global market.

We invite you to explore the potential of BLT's advanced metal AM solutions and discover how they can transform your operations, setting new benchmarks for quality, efficiency, and sustainability.



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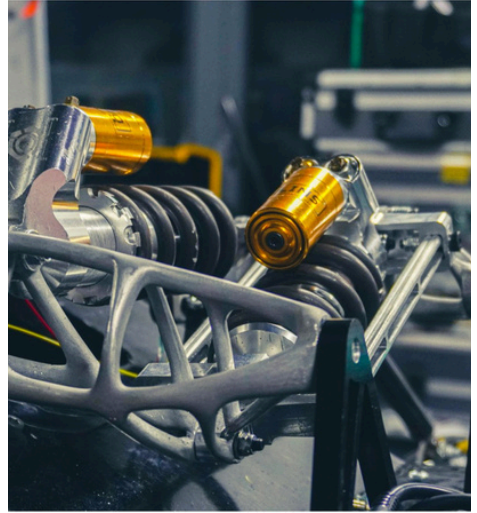
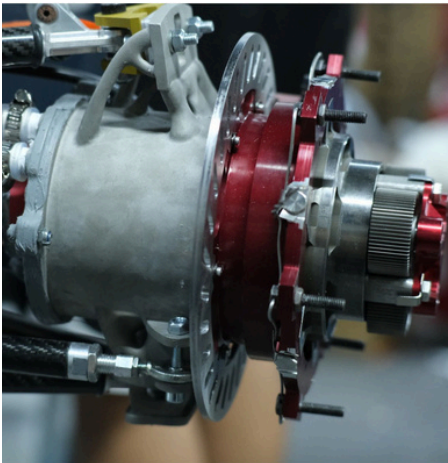
About Bright Laser Technology (BLT)

Company Overview

Bright Laser Technology (BLT) is a global leader in metal additive manufacturing (AM) solutions, dedicated to advancing the capabilities of modern manufacturing. Founded in Xi'an, China, BLT specializes in developing state-of-the-art metal 3D printers, customized AM products, and high-quality metal powders. The company's mission is to simplify manufacturing processes while delivering superior, highly detailed components that meet the rigorous demands of various industries.

Key Technologies and Innovations

BLT's technology portfolio includes state-of-the-art metal 3D printers, advanced powder manufacturing processes, and specialized software that enhances production capabilities. BLT's innovations are designed to meet the needs of modern manufacturing, offering flexibility, precision, and scalability.



BLT's Global Reach and Achievements

With installations in over 50 countries and partnerships with leading global companies, BLT has established itself as a trusted provider of AM solutions. The company has achieved significant milestones, including the development of AM solutions for aerospace, automotive, medical, and other high-demand industries.

Value to Industries

BLT's solutions are designed to meet the evolving needs of industries such as aerospace, automotive, medical, energy, and consumer electronics. By leveraging BLT's advanced AM technologies, companies can achieve faster production times, reduce material waste, and create more complex and lightweight components. This not only enhances product performance but also drives significant cost savings and competitive advantage in a global market.

Additive Manufacturing Solutions

Metal AM Printers and Systems

BLT's metal AM printers are at the forefront of 3D printing technology, capable of producing complex metal parts with high precision and efficiency. These systems are designed to handle a variety of materials and are equipped with advanced features such as multi-laser technology, large build volumes, and automated processes

Customized Products and Printing Services

BLT offers bespoke additive manufacturing services tailored to specific industry needs. From prototyping to large-scale production, BLT's customized printing services ensure that every product meets the highest standards of quality and performance

Powders and Raw Materials

BLT manufactures high-quality metal powders that are essential for producing strong, durable parts in additive manufacturing. These powders are meticulously developed to meet industry-specific requirements, ensuring consistency and reliability in every print

Software Solutions and Customization

BLT's proprietary software, such as the BLT-Build Planner, is designed to optimize the additive manufacturing process. These software solutions offer customization options to meet the unique needs of different industries, ensuring seamless integration with existing systems



Small-Scale Machines

Ideal For: Research and development, small parts for the medical, aerospace, and automotive industries.

Features: High precision and adaptability for materials like titanium alloys, stainless steel, and superalloys, making it ideal for producing intricate components and prototypes.



A-160

Application area:
Mass production of small size parts
Build Dimension:
160mmx160mmx200mm
(WxDxH)
1-2 Laser available



A-300

Application area:
Mold, Industry
Build Dimension:
250mmx250mmx300mm
(WxDxH)
1 Laser available



A-320

Application area:
Mold, Industry
Build Dimension:
250mmx250mmx300mm
(WxDxH)
1 Laser available



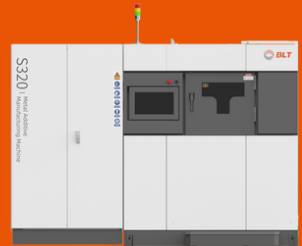
S-210

Application area:
Medical Care, Colleges and Universities
Build Dimension:
105mmx105mmx200mm
(WxDxH)
1 Laser available



S-310

Application area:
Aviation
Build Dimension:
250mmx250mmx400mm
(WxDxH)
1-2 Laser available



S-320

Application area:
Aviation
Build Dimension:
250mmx250mmx400mm
(WxDxH)
1-2 Laser available

Medium-Scale Machines

Ideal for: Automotive parts, aerospace components, and medical devices.
Features: High efficiency with multiple lasers for faster production, precise manufacturing of complex geometries, and scalability for small to medium batch production. These machines are versatile, supporting a wide range of metal alloys for various industrial applications.



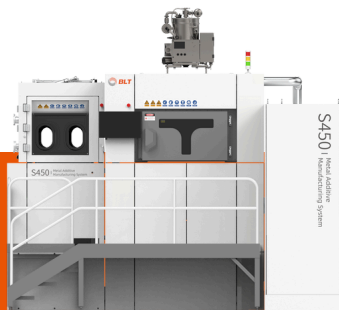
S-400

Application area:

Aviation, Aerospace,
 Engine, Medical,
 Automotive, Electronics,
 Scientific Research

Build Dimension:

400mm×300mm×400mm
 (WxDxH)
 2-3-5-6 Laser available



S-450

Application area:

Aviation, Aerospace,
 Engine, Medical,
 Automotive, Electronics,
 Scientific Research, Mold

Build Dimension:

450mm×450mm×500mm
 (WxDxH)
 4-6-8 Laser available

Large-Scale Machines

Ideal For: Large components in automotive, aerospace, and industrial applications.

Features: High efficiency with a large build area and the capability for high-volume production while maintaining precision and reliability. These machines support a wide range of materials, including metals and polymers, to meet various industrial needs.



S-600

Application area:

Aviation, Aerospace, Engine, Medical ,
Automotive, Electronics, Scientific
Research, Mold

Build Dimension:

650mm×650mm×850mm (WxDxH)
4-5-8 Laser available



S-615

Application area:

Aviation, Aerospace, Engine, Automobile, Electronics,
Mould, Scientific Research Institutes, Energy,
Electrical, Heavy Industry, Rail Transit

Build Dimension:

600mm×600mm×1500mm (WxDxH)
4-5-8 Laser available



S-800

Application area:

Aviation, Aerospace, Engine, Medical , Automotive,
Electronics, Scientific Research, Mold

Build Dimension:

800mm×800mm×650mm (WxDxH)
6-8-10 Laser available



S-815

Application area:

Aviation, Aerospace, Engine, Medical , Automotive,
Electronics, Scientific Research, Mold

Build Dimension:

800mm×800mm×1500mm (WxDxH)
6-8-10 Laser available

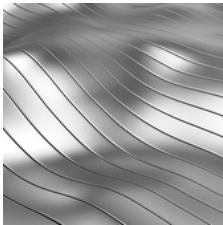
BLT provides a variety of metal AM materials according to different categories, grades, particle size.



ALUMINIUM ALLOY

AlSi7Mg, AlSi10Mg

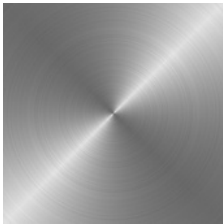
Commonly used casting alloys for applications in automotive and aerospace



NICKEL ALLOY

Inconel718, IN625, Hastelloy-X

Alloys for high temperature applications in airplane and gas turbines as well as in the shipping industry



STEEL

316L, 304L, 17-4PH, 1.2709, CX, 420.

Alloys for printing parts in aerospace, medical, energy, jewelry, shipping and food industries



TITANIUM ALLOY

Ti64-Grade 23, Ti6.5-Al-2Zr-1Mo-1V.

Ideal for a wide range of high-performance applications in aerospace, automobile and medical as well as in lifestyle industries



COBALT CHROME

CoCrMo

This family includes alloys that are commonly used in aerospace as well as the medical industry

Applications Across Industries

Bright Laser Technology (BLT) provides cutting-edge metal additive manufacturing (AM) solutions that have transformed production processes across a wide range of industries. BLT's advanced 3D printing technology empowers industries to innovate, streamline operations, and enhance product quality.



AUTOMOTIVE



AEROSPACE



MOLD



ENGINE



MEDICAL



AVIATION

Our Services and Support

At **NIRI**, we provide comprehensive support to ensure you maximize the benefits of BLT's advanced metal additive manufacturing technology.

Consultation and Equipment Selection

We help you choose the right BLT machinery based on your specific production needs, ensuring the technology aligns perfectly with your goals

Requirement Analysis and Optimization

Our team assists in understanding your project requirements, from material selection to production volumes, ensuring successful implementation

Pre Sales and Technical Support

We collaborate with your team to run Business Case Simulations, helping you assess potential outcomes, reduce risks, and tailor solutions to your needs.

We also support you in redesigning parts to fully leverage BLT's 3D printing capabilities, improving performance and efficiency, with expert help available whenever needed

Resale of Machinery and Powders

As an authorized reseller, we offer a full range of BLT 3D printers and high-quality metal powders, providing you with the latest technology and a wide range of materials

Post Sales and Field Engineering

We provide ongoing support through spare parts, machine assistance, and maintenance services to ensure your machines run smoothly and efficiently. Our expert team is dedicated to minimizing downtime and maximizing performance for long-term reliability





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