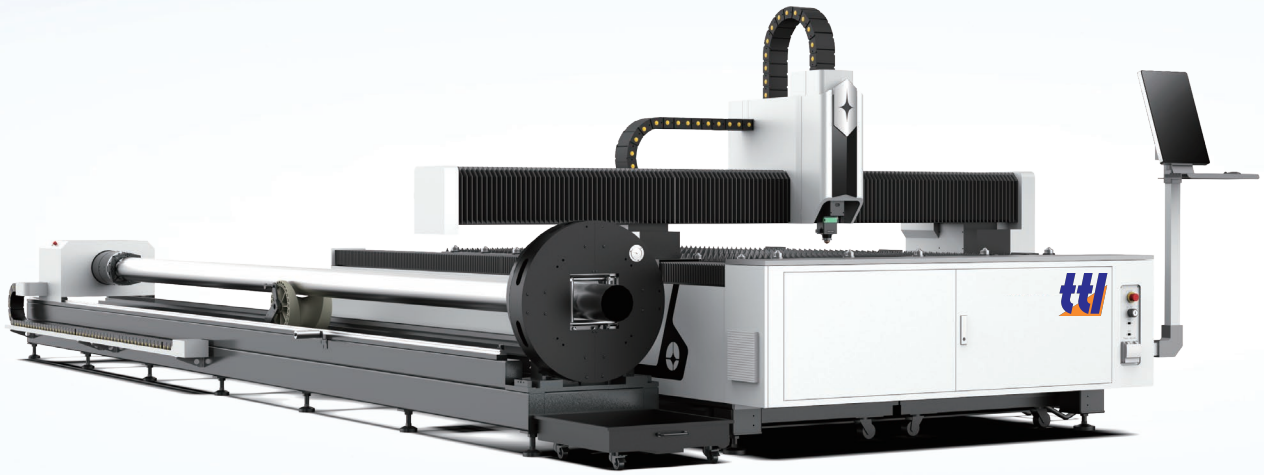
TTL Engineering Systems

FT F3015T6

Series

High-Efficiency Sheet and Tube Laser Cutting Machine

1,500W-3,000W



#01 Dual Capability

#02 High Flexibility

#03 Redefining Metal Processing

Sheet and Tube Integrated for Efficient Cutting
Effectivaly saves costs and floor space

Brand New Double-beam Bed Structure
Self-developed stopper plug-in dual-beam design

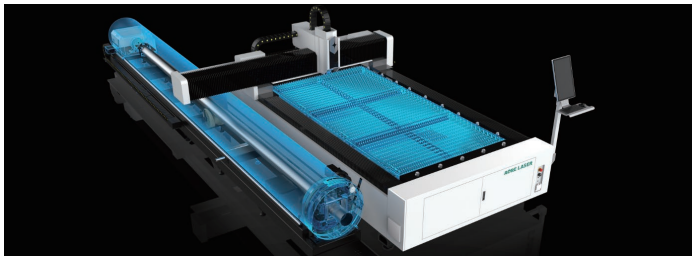
Modular Worktable Design
Easy to disassemble, replace, and maintain

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Mobile: 062 456 8833

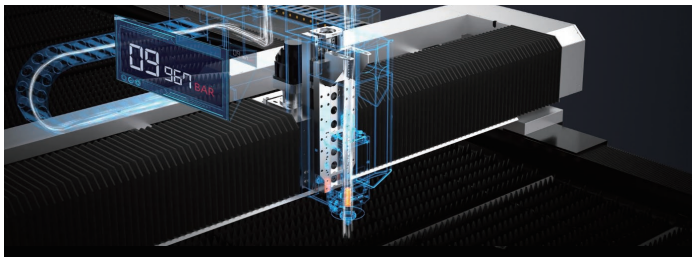
Dual-Function Integration for High Efficiency #1

Combines sheet and tube cutting in one machine, enabling fast switching between modes without the need for additional equipment. Reduces floor space requirements and lowers overall investment costs.



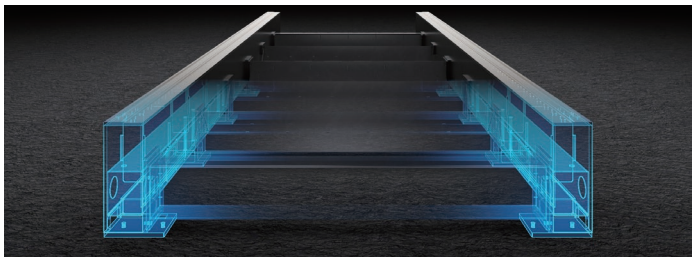
Smart Control for Precision and Productivity #2

Supports auto-focusing, intelligent nesting, and flying cutting, greatly improving cutting efficiency and material utilization.



High-Rigidity Machine Bed #3

Heavy-duty frame with excellent vibration resistance ensures stable, high-precision cutting at speed.



High-Power Laser Source #4

Handles thick materials with ease, delivering powerful and efficient cutting performance.



Technical Parameters	F3015T	F4020T	F6015T	F6025T
Power	1500W - 20000W	1500W - 20000W	1500W - 20000W	1500W - 20000W
Max.running speed	115m/min	115m/min	115m/min	115m/min
Max.acceleration	0.8G	0.8G	0.8G	0.8G
Positioning accuracy	±0.05mm/m	±0.05mm/m	±0.05mm/m	±0.05mm/m
Repositioning accuracy	±0.03mm	±0.03mm	±0.03mm	±0.03mm

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74/4 หมู่ที่ 19 ถนนนิมิตรใหม่ ตำบลลำลูกกา
อำเภอลำลูกกา จังหวัดปทุมธานี 12150
โทร. 02 191 1724-6 แฟกซ์ 02 191 1727

Laser Cutting Head

0-3.3kW BM110-FC 2D



Cutting-Edge Design & Performance

This innovative product includes a built-in motor drive unit that automatically adjusts the position of the focus lens in a range of 24mm through a linear mechanism. This feature allows users to set continuous focus, facilitating rapid piercing of thick plates and automatic cutting of different thicknesses and materials.

The BM110 series is equipped with a composite lens group of D30 to integrate the beam. The design of the optics and water cooling is optimized to enable the laser head to operate stably at high power for extended periods.

Features & Specifications

- Superior Design: The cutting head features an optimized optical configuration and efficient airflow design, significantly improving cutting quality and efficiency.
- Automatic Focus: With a focus range of -12 to +10mm and a focusing accuracy of 0.05 mm, the automatic focus feature reduces manual intervention.
- Multiple Protective Lenses: The addition of protective lenses for collimation effectively safeguards the collimation lens.
- Drawer-Type Mirror Holder: This feature allows for quick and easy replacement of protective lenses.
- High Adaptability: Equipped with various fiber interfaces such as QBH, QD, and G5, the cutting head is adaptable to various mainstream lasers.
- Clear Aperture: 28mm
- Auto-Focusing: Range: -12mm to +10mm; Speed: ≤170mm/s; Acceleration: ≤10m/s²; Accuracy: ≤0.05mm
- Protective Lens: Collimation protection: φ24.9*1.5mm; Focusing protection: φ27.9*4.1mm
- Auxiliary Gas Pressure: ≤30bar
- Weight: ~5.0kg
- Nozzle Specifications: Single layer, Double layer, Non-standard
- Nozzle Orifice Diameter: Range from 0.8mm to 5.0mm.

The BM110 Series Fiber Optic Cutting Head ensures optimal cutting performance with its cutting-edge technology and design. For quality, precision, and adaptability, choose the BM110 series.

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Fiber Lasers

MAX PHOTONICS

Maxphotonics brings expertise to every fiber laser we engineer - ensuring performance, consistency, reliability, and cost-efficiency in even the most demanding environments.

Our solutions drive industrial success while optimizing your operational costs across a wide range of applications.

Maxphotonics ผู้นำด้านไฟเบอร์เลเซอร์ ที่ให้ทั้งพลัง ความแม่นยำ และความเสถียรในทุกการใช้งานออกแบบมาเพื่อรองรับงานอุตสาหกรรมหนัก พร้อมประสิทธิภาพที่สม่ำเสมอในทุกสภาพการทำงาน ช่วยเพิ่มกำลังการผลิต ลดต้นทุน และยกระดับคุณภาพงานตัดให้เหนือกว่า เทคโนโลยีที่เชื่อถือได้ พร้อมตอบโจทย์ทุกความต้องการของโรงงานยุคใหม่ เลือก Maxphotonics เพื่อประสิทธิภาพสูงสุดและความคุ้มค่าในระยะยาว



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