

FiberBlade V

Xtreme performance for increased production and improved cut part quality.



Available exclusively through
AUTOMATED CUTTING MACHINERY INC
www.acmachinery.com

FiberBlade V



- 1. A fifth-generation high speed laser cutting machine based on Messer’s 50 years of experience in laser cutting
- 2. Utilizes advanced laser cutting technology for maximum productivity, superior cut quality and consistency over a wide range of materials and thicknesses.
- 3. The user-friendly Messer “Global Plus” CNC control with its 24” touchscreen and remote diagnostics comes standard

FiberBlade V Technical Specification			
Model	3015	4020	6020
Working area X	3050mm (120")	4050mm (160")	6350mm (250")
	1525mm (60")	2025mm (80")	2025mm (80")
Z	120mm (4.72")	120mm (4.72")	120mm (4.72")
X/Y Simultaneous	169m/min (6650in/min)	169m/min (6650in/min)	169m/min (6650in/min)
X/Y Positioning accuracy	±0.03mm (±0.0012")	±0.03mm (±0.0012")	±0.03mm (±0.0012")
Repeatability accuracy	±0.01mm (±0.0004")	±0.01mm (±0.0004")	±0.01mm (±0.0004")
Max. load of work table	1000kg (2200lbs)	1300kg (2866lbs)	1900kg (4188lbs)

Max. cutting thickness						
Fiber laser power	2000W	3000W	4000W	6000W	8000W	10000W
Mild steel	16mm (.625")	22mm (.866")	25mm (.984")	25mm (.984")	25mm (.984")	25mm (.984")
Stainless steel	8mm (.315")	12mm (.472")	15mm (.590")	20mm (.787")	30mm (1.181")	30mm (1.181")
Aluminum alloy	8mm (.315")	12mm (.472")	15mm (.590")	20mm (.787")	30mm (1.181")	30mm (1.181")

* To ensure the Max. cutting capacity, the machine should be kept in good condition and maintained as per Messer guidelines. The assisted gas purity & metal plates quality, etc. should meet Messer's requirements as per the installation and user manual.

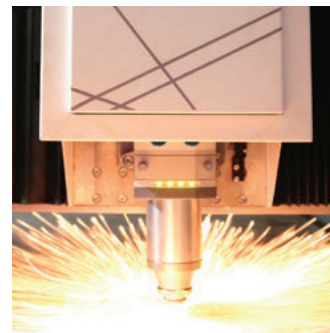


New Definition of Productivity and Cost Savings

$$\begin{array}{c}
 \text{PRODUCTIVITY} \\
 + \\
 \text{CUT QUALITY} \\
 + \\
 \text{RELIABILITY \& SUPPORT}
 \end{array}
 = \text{MORE PROFIT}$$

1. PRODUCTIVITY

- Advanced motion systems and one-piece frame design increase motion stability and accuracy over the full range of speeds.
- Ultra jump and scan cut functions minimize positioning time and maximize beam on time
- Auto plate alignment, intelligent autofocus and automatic gas pressure control reduce setup times
- "Global Insight" data log tool generates production reports automatically



2. CUT QUALITY

- Built in databases for a range of materials
- Zoom head with autofocus offers automatic beam magnification up to 4x for best combination of speed and quality over a wide range of material thickness'
- PierceTec Technology for fast, clean and more consistent piercing even in thick materials
- CoolTec direct water-cooling feature adds stability to the material being processed

3. RELIABILITY & SUPPORT

- Messer motion systems and Global Plus CNC deliver proven reliability
- IPG Photonics fiber laser systems offer maximum efficiency and reliability
- Precitec Procutter 2.0 high performance cutting head offers completely dustproof beam path for long lens life and maximum reliability
- Remote service with online diagnostics
- Canadian Service and Support Group

Global Control

The Next Generation of the Messer Global Control System

- Advanced technology, high reliability and easy to use
- Easy to learn functions allow employees to become experts in minutes
- Large 24" touch screen offers split screen design, real-time monitoring, and easy access to critical information
- Equipped with simple, verified material databases for fast setup
- Windows 10 operating system and robust IP67 ingress protection rating



Basic Solution Plus Material Handling Systems by IoT

- Fiberblade V can be configured with material handling and storage systems customized to customers’ needs
- 24hours*7days production, achieving the longest laser emission time, hence improved productivity.
- Fully automatic running and real time monitoring greatly improves the safety and reliability of production processing
- The central control system
 - collects all processing data and generates reports automatically
 - can interact with the customer’s manufacturing management system for maximum operational efficiency



- Increased productivity in laser processing
- Fastest sheet metal change time on the market
- Problem free integration into the existing production environment
- Handling of any metal sheets
- Innovative, modern industry design

Max. cutting material data				
Format	3015	4020	6020	8020
Max. sheet weight	1000kg (2200lbs)	1700kg (3750lbs)	1000kg (2200lbs)	1000kg (2200lbs)
Max. sheet dimension	.3048 × 1524 mm (120" × 160")	064 × 2030 mm (160" × 80")	6096 × 2032 mm (240" × 80")	8128 × 2032 mm (320" × 80")
Max. sheet thickness	25mm (.984")	25mm (.984")	18mm (.709")	13.5mm (.531")



Laser FLEX4.0

Laser FLEX4.0 Laser Cutting & Material Handling System

- Messer’s engineering team can analyze your cutting needs and configure the most efficient material handling solution.
- Fast and efficient material change over time
- Systems are flexible and expandable to meet customers current and future needs.
 - Ability to add additional laser cutting systems
 - Ability to add additional material storage towers etc
- Central control system can receive updates, programs, adjust priority settings etc while the system is running
- Equipped with remote diagnostics

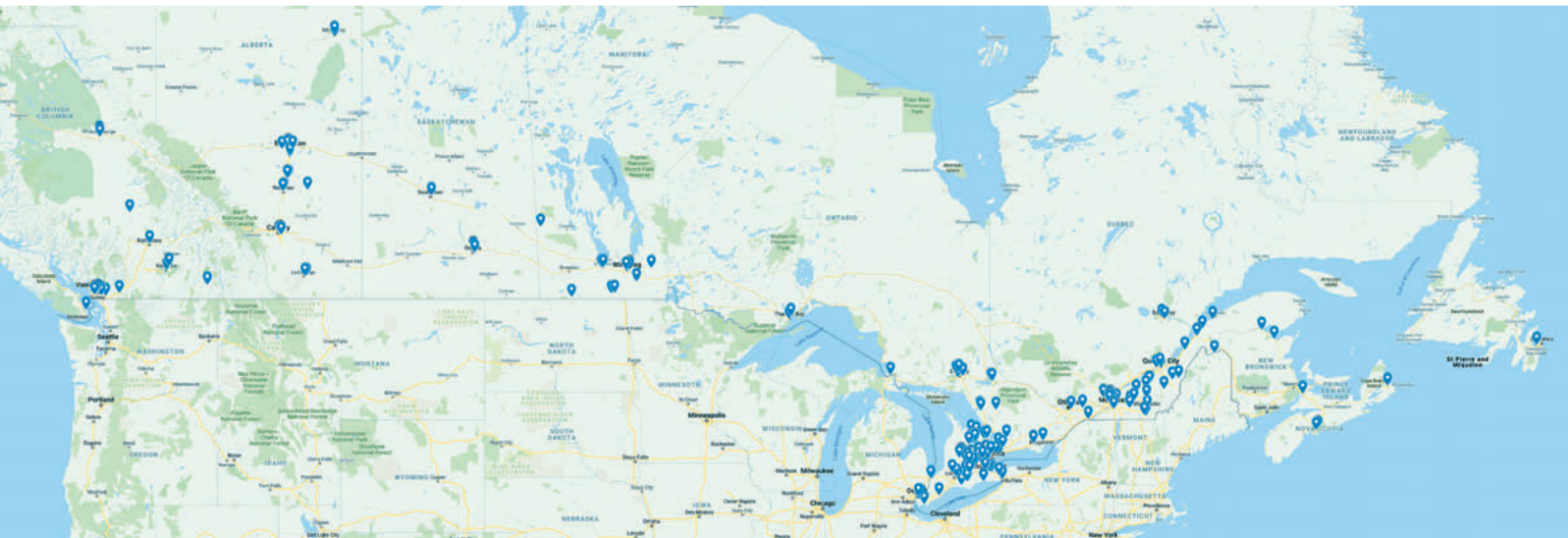


System parameter							
Operating parameter	Horizontal speed of the lifter	Lifting speed of the lifter	Max. absorptive capability of the lifter	Operation mode of the lifter	Number of layers in tower	Traveling speed of the tower pallets	Lifting speed of the loader
Laser FLEX 4.0	60 m/min (200 ft/min)	12 m/min (40 ft/min)	1000 kg (2200 lbs)	Independent drives non-interference	15	24 m/min (80 ft/min)	16 m/min (50 ft/min)

YOUR CANADIAN PROFILE CUTTING SPECIALISTS

Automated Cutting Machinery Inc is a proudly Canadian company that manufactures, supplies and services specialty engineered CNC laser, plasma, oxy-fuel and drilling machines to the Canadian market.

Automated Cutting Machinery Inc specializes in profile cutting solutions that increase output, improve quality, lower costs, and add value. Automated Cutting Machinery also offers custom retrofit solutions, pre-owned equipment, refurbished systems, spare parts and consumables to our Canadian customers.



Choose ACM / Messer!

Our experience and support team enables us to be a single source provider for all needs relating to the Canadian CNC cutting machine and structural steel processing industries. Automated Cutting Machinery offers:

- Canadian service technicians
- Canadian parts inventory
- Fiber optic laser cutting machine solutions
- Customized material handling solutions
- High definition plasma solutions
- Laser/plasma combination machine solutions
- Combination drilling, tapping, milling and profile cutting solutions
- Tube and pipe processing solutions
- Structural steel processing and robotic plasma coping solutions
- Pre-owned equipment
- Upgrade/retrofit options



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