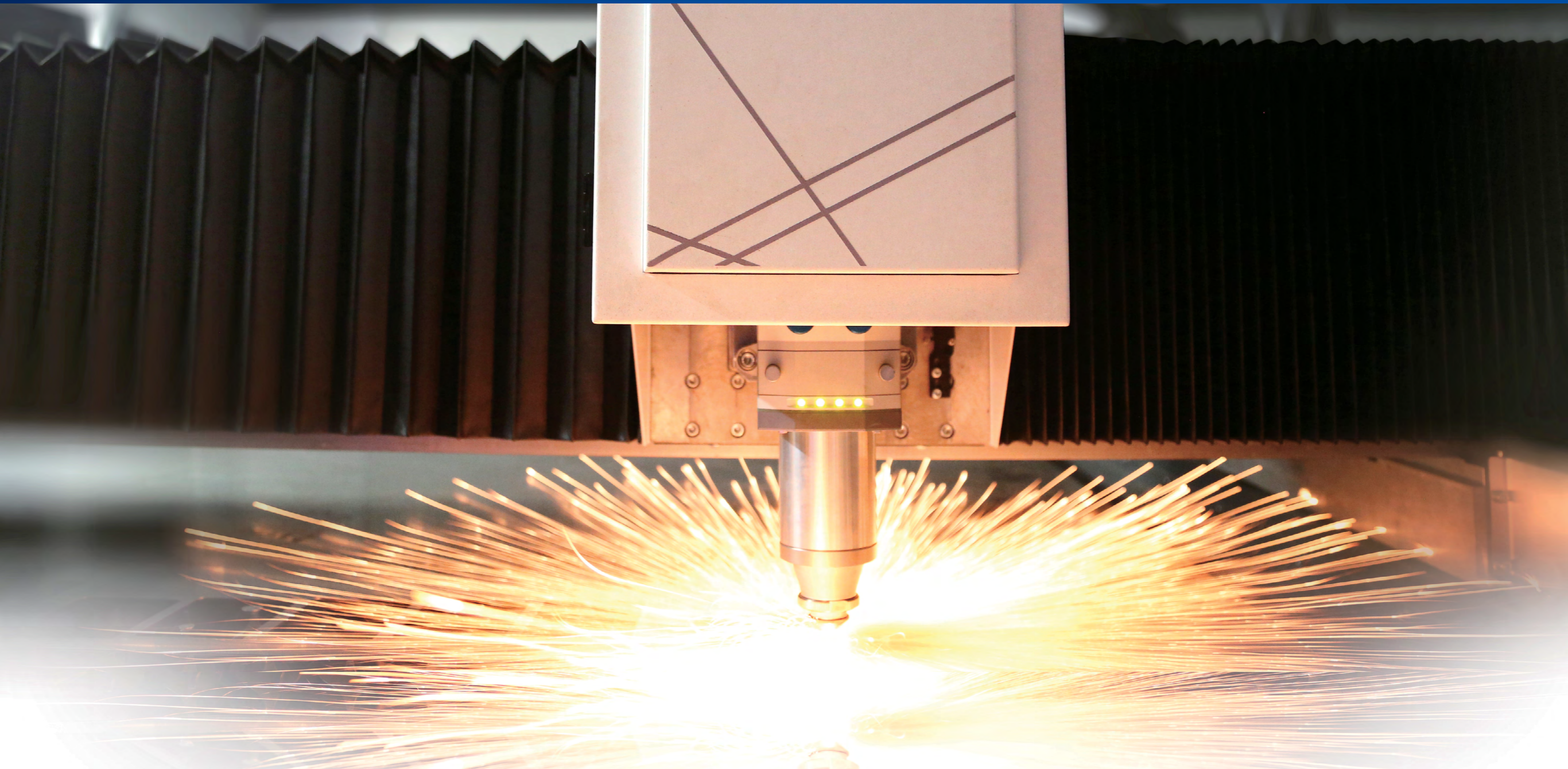


# FIBERBLADE V

**MESSER**   
Cutting Systems





# FIBERBLADE V



- The fifth-generation high speed laser cutting machines is based on nearly 65 years of experience in this field.
- Messer high-speed cutting technology, is competitive to the top level machines in the industry.
- The simple and user-friendly, easy to learn HMI helps the operator to produce high quality cut parts with short term training.

## FiberBlade V Technical Specification

| MODELS                   | 3015          | 4020          | 6020          |
|--------------------------|---------------|---------------|---------------|
| Working Area X           | 10 ft         | 13.28 ft.     | 20.83 ft.     |
| Y                        | 5 ft.         | 6.64 ft.      | 6.64 ft.      |
| Z                        | 4.72 ft.      | 4.72 ft.      | 4.72 ft.      |
| X/Y Simultaneous         | 6.653 in./min | 6.653 in./min | 6.65 3in./min |
| X/Y Positioning accuracy | .03mm/m       | .03mm/m       | .03mm/m       |
| Repeatability accuracy   | .01mm/m       | .01mm/m       | .01mm/m       |
| Max. load on worktable   | 1,653 lbs     | 2,866 lbs     | 4,188 lbs     |

## Maximum Cutting Thickness

| Fiber Laser Power | 2000W | 3000W | 4000W | 6000W | 8000W | 10000W |
|-------------------|-------|-------|-------|-------|-------|--------|
| Mild Steel        | .629" | .866" | .984" | .984" | .984" | .984"  |
| Stainless Steel   | .314" | .472" | .590" | .787" | 1.18" | 1.18"  |
| Aluminum Alloy    | .314" | .472" | .590" | .787" | 1.18" | 1.18"  |

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



# The definition of cost savings within production.

**Cost savings in production =** Cost savings from higher productivity.  
+  
Cost saving from optimal cutting quality.  
+  
Cost savings from reduced downtime.

## Efficiency, leads to greater productivity which significantly reduces running costs.

- Based on the Messer's dynamic Global Control Plus high speed automated functions can greatly improve production.
- The control ultra-jump function shorts position time and the cycle start time of laser emission on.
- The controls automation features includes plate alignment, focusing optics, and gas pressure adjustments.
- Automatically the data log function generates productions reports.



## Shortened lead times, finely cut parts are the benefits of superior processing quality.

- Base on cut parts from customer sites, the sharp angle cutting technology has been verified and it achieves the high standards which customers require.
- The standard materials of mild steel, stainless steel and aluminum have been verified and tested within the database.

## Reduced Downtime

- Preventive maintenance tips and warning functions reduces downtime.
- Visual Service and Virtual Service, effectively reduces downtime and saves you additional service expenses.

# GLOBAL CONTROL **Plus**

Intelligent, feature-rich interface.

- The 24 inch touch screen makes HMI extremely simple and friendly, effectively reduces prep time.
- Split screen design, real-time monitoring the cutting process.
- Easy to use interface with on board material database, allowing for quick set-up and precision quality cut parts.
- An extensive custom shape library, multiple process databases, CAD import, true-shape nesting, productivity monitoring and remote diagnostics features packed in the industries only IP65 rated enclosure.



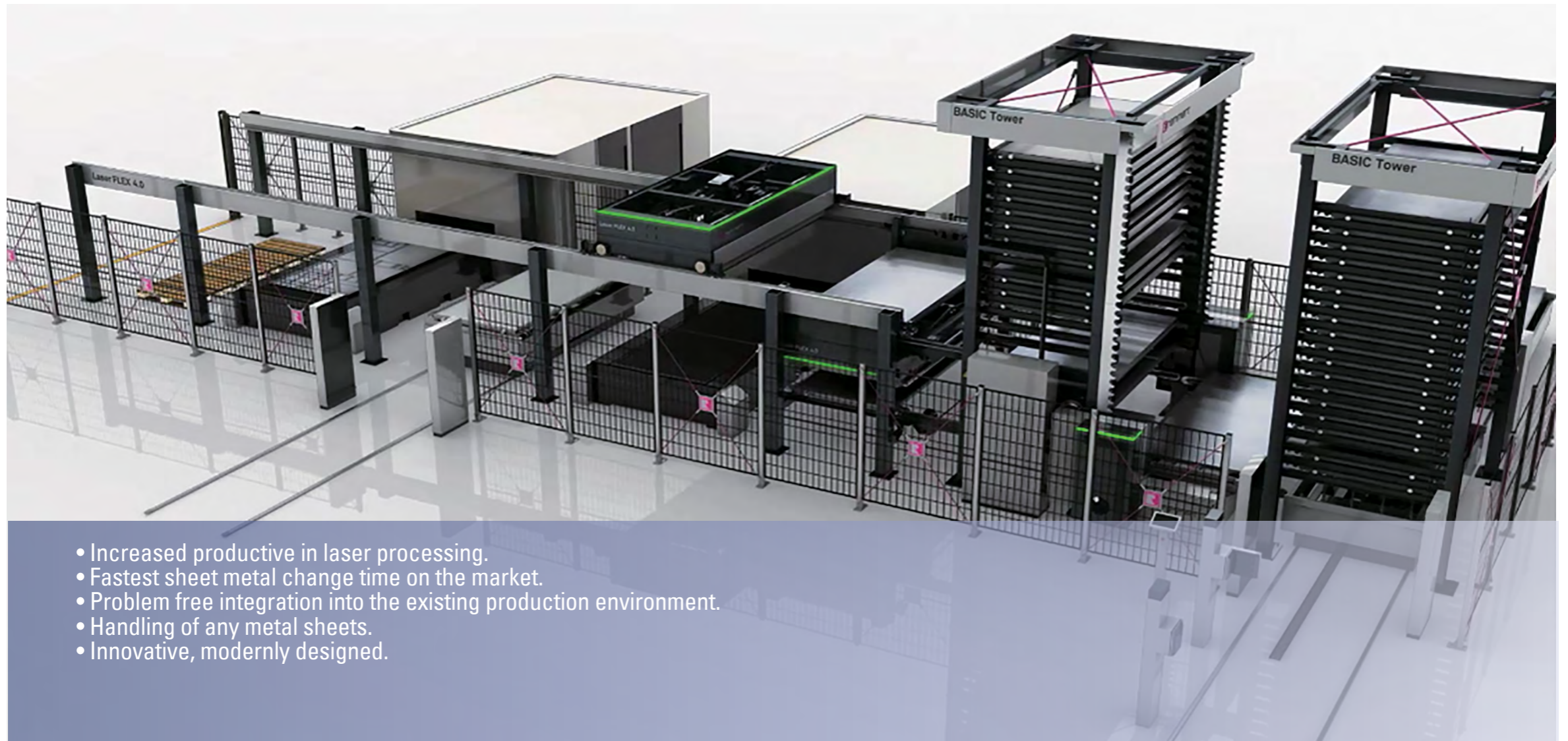


# IoT Basic Solutions with Material Handling.

- FiberBlade V can be configured with material handling & storage system.
- 24 hours a day 7 days a week for maximum production.
- Fully automatic running and real-time monitoring can avoid potential security problems by manual operation, greatly improves the safety and reliability.
- The control collects all processed data and generates multiple reports without manual statistics.
- The control interacts with the customer MES system, greatly increases of your shops operational efficiency.

## Maximum cutting material data

| Format               | 3015       | 4020           | 6020        | 8020           |
|----------------------|------------|----------------|-------------|----------------|
| Max. sheet weight    | 2,204 lbs. | 3,747 lbs.     | 2,204 lbs.  | 2,204 lbs.     |
| Max. sheet dimension | 10 x 5'    | 13.33' x 6.66' | 20' x 6.66' | 26.66' x 6.66' |
|                      | 120" x 60" | 160" x 80"     | 240" x 80"  | 320" x 80"     |
| Max. sheet thickness | .984"      | .984"          | .708"       | .531"          |



- Increased productive 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, modernly designed.



# LASERFLEX 4.0

## Laser FLEX 4.0 Cutting & Material Handling Systems

- Fastest sheet metal change time on the market, equipped with remote diagnosis function.
- The most expandable & flexible systems on the market, pictured below, one material handling system with four sets laser cutting machines in real production.
- The central control systems can programs priority settings, notifies on routine maintenance, and system upgrades while actively operating.
- Modular configurations based on customer needs.

### System Parameters

| Operation Parameter | Horizontal speed of the lifter | Lifting speed  | Max. adsorptive capability of the lifter | Operation mode of the lifter        | Number of layers in the tower | Traveling speed of the tower pallets | Lifting speed of the loader |
|---------------------|--------------------------------|----------------|--|-------------------------------------|-------------------------------|--------------------------------------|-----------------------------|
| Lase FLEX 4.0       | 196.85 ft./min                 | 39.37 ft./min. | 2204.64 lbs.                             | Independent drives non-interference | 15                            | 78.74 ft./min.                       | 52.49 ft./min.              |



*Keep up with the  
latest news and "Like  
Us" on Facebook.*

Messer Cutting Systems reserves  
the right to make changes in  
equipment or specifications  
at any time without notice.  
© 2021 Messer Cutting Systems

**Messer Cutting Systems, Inc.**  
**W141 N9427 Fountain Boulevard**  
**Menomonee Falls, WI 53051**  
**Tel. +1 262-255-5520**  
**Fax +1 262-255-5170**  
**[sales.us@messer-cutting.com](mailto:sales.us@messer-cutting.com)**  
**[www.messer-cutting.com](http://www.messer-cutting.com)**