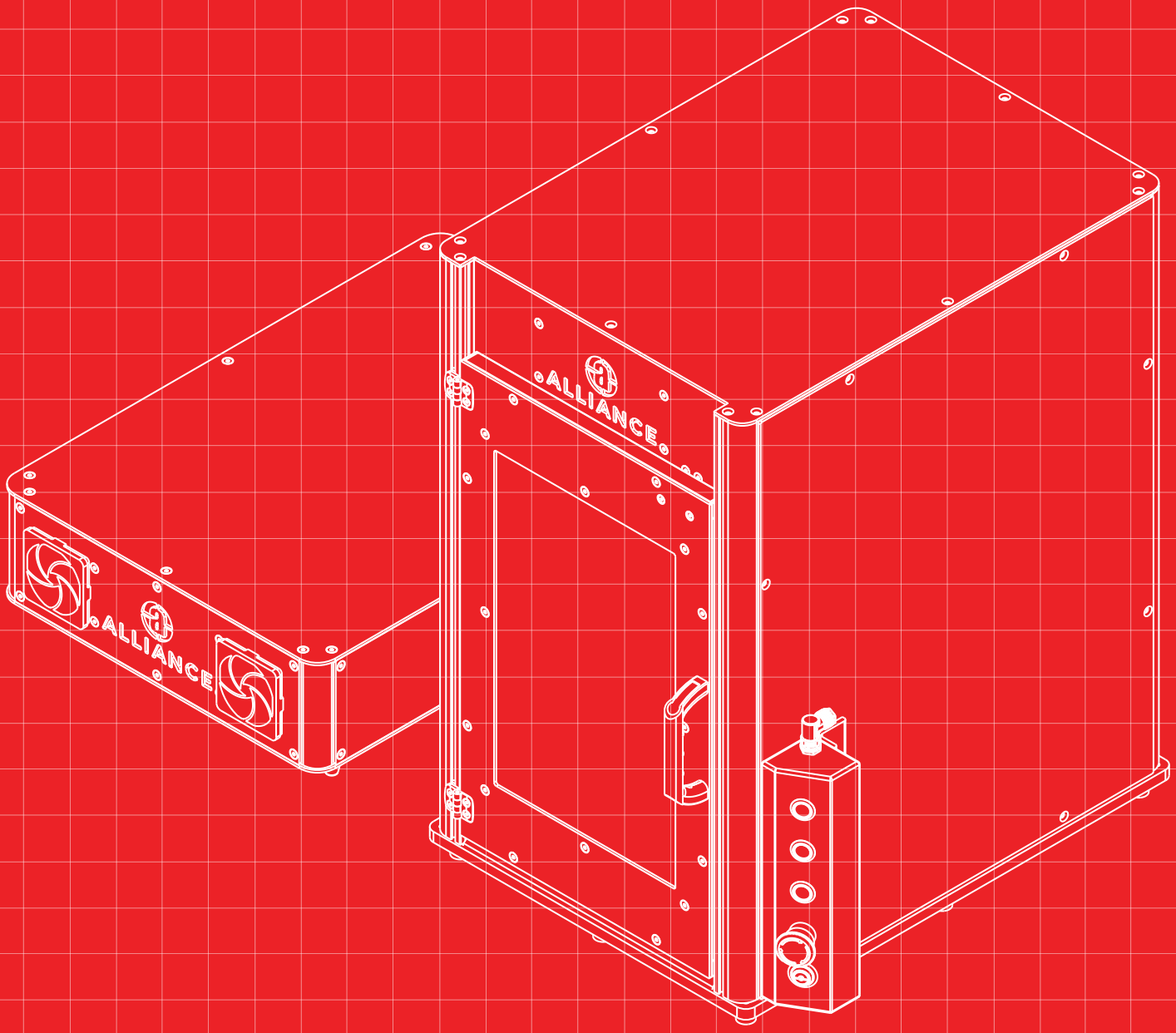
ALLIANCE

ALLIANCE LASER SALES, INC.



SPARK

FIBER LASER ENGRAVING SYSTEM

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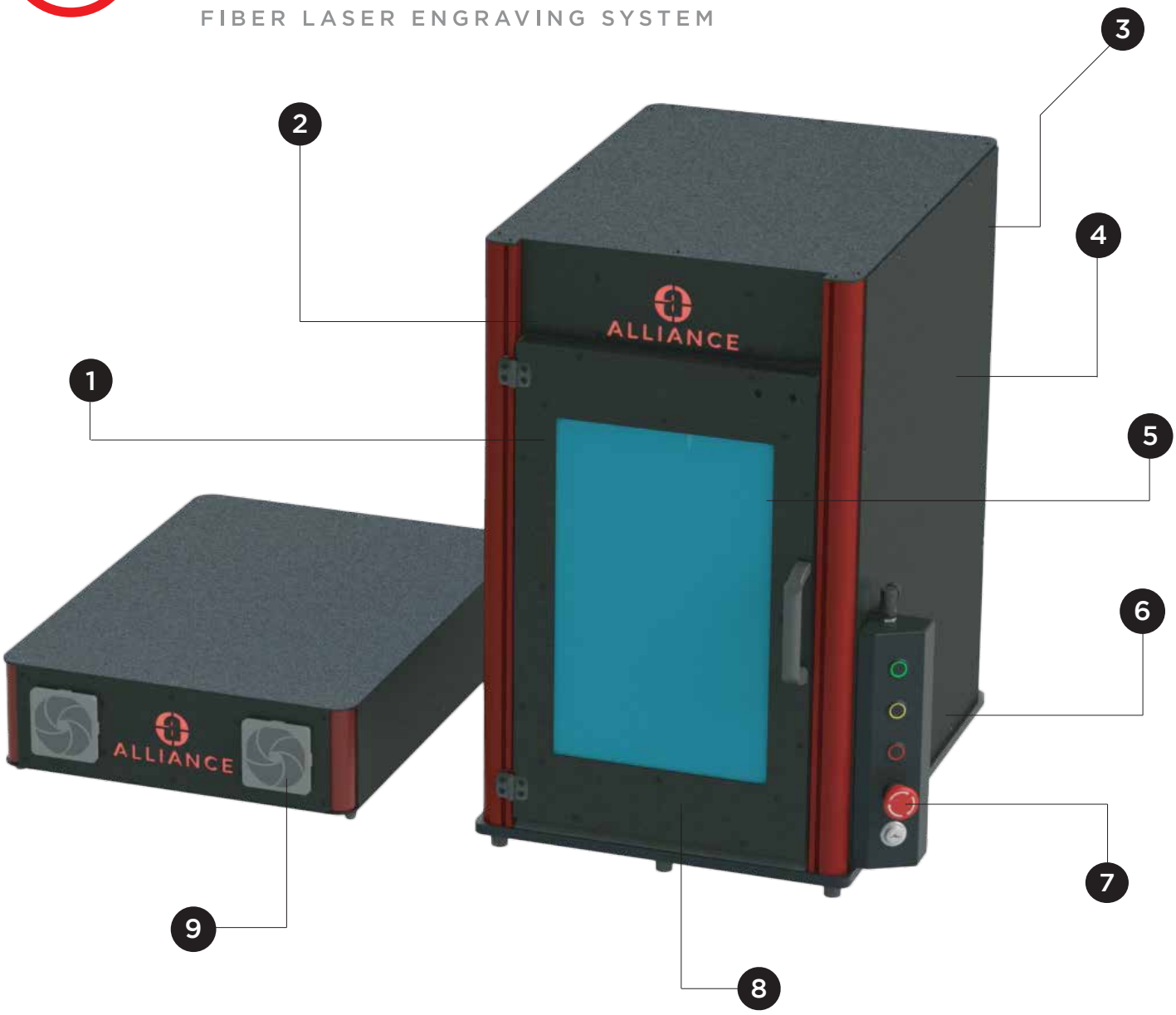

1. ERGONOMIC DOOR SLIDES EASILY OPEN & CLOSED
2. FIBER LASER SOURCE FOR RELIABLE EMISSION
3. ADJUSTABLE HEIGHT, ABLE TO MARK PARTS UP TO 12” TALL
4. PROGRAMMABLE AND SERVO DRIVEN POWER Z AXIS FOR RELIABLE AND REPEATABLE PERFORMANCE
5. LARGE LASER-SAFE VIEWING WINDOW
6. TOOLING PLATE HELPS TO ALIGN PARTS CONSISTENTLY AND EASILY
7. START/STOP CONTROLS EASILY ACCESSIBLE
8. INTERLOCKED DOOR FOR OPERATOR SAFETY
9. AIR COOLED POWER SOURCE

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DESIGNED TO EMPLOY GREAT POWER IN A COMPACT FOOTPRINT

Introducing the Alliance Spark: an all-new American made, laser engraving system, that is both small and mighty.

The Spark is compact and portable making it easier to integrate into production lines or workstations. Which is particularly beneficial for applications requiring mobility or limited space. The smaller size and simpler setup of this system make it easier to use and maintain.

The Spark is also capable of creating highly detailed and intricate marks due to the small focal diameter. This makes the Spark ideal for precision tasks, such as engraving fine details on small components. It can be used in various environments and is suitable for marking on a wide range of materials, including metals and plastics. It's versatility makes the Spark a practical choice for diverse applications.

MACHINE BENEFITS:

- Compact footprint cabinet
- Complete turnkey solution
- Built-in motion control (up to 2 axis)
- Guide laser for easy part alignment
- Air-cooled maintenance free fiber laser source

FIBER LASER BENEFITS:

Fiber lasers are the most efficient easiest to maintain laser made today. They use diodes coupled with fibers to replace the YAG crystal and lamp assembly that typically wear down. These laser types have extended service life, higher power versatility, and greater wall plug efficiency.

MATERIAL APPLICATION:

Steel, Aluminum, Alloys, Polymers, Leather, Rubber, Plastics and more.

SPARK

FIBER LASER ENGRAVING SYSTEM

TECHNICAL SPECS:

	20 W	30 W	60 W	100 W
PRODUCT NAME:	SPARK TABLETOP ENGRAVER			
LASER SAFETY:	CLASS 1 OR CLASS 4			
BEAM SOURCE:	YTTERBIUM FIBER			
FIBER TYPE:	MOPA			
WAVELENGTH:	1070 nm +/- 15nm			
PULSE DURATION:	2 TO 500 ns			
FREQUENCY RANGE:	1- 4000 kHz			
FOCUS ALIGNMENT:	CLASS II RED DIODE (635 nm)			
POWER REQMT:	110 VAC			
ENERGY ADJUSTMENT:	10 - 100%			
STD. MARKING FIELD:	6.7” X 6.7”			
OPT, MARKING FIELDS:	4” X 4”			
OPERATING TEMP.:	32˚ to 104˚ F			
COOLING REQMT:	AIR			
CONNECTION TYPE:	USB			

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