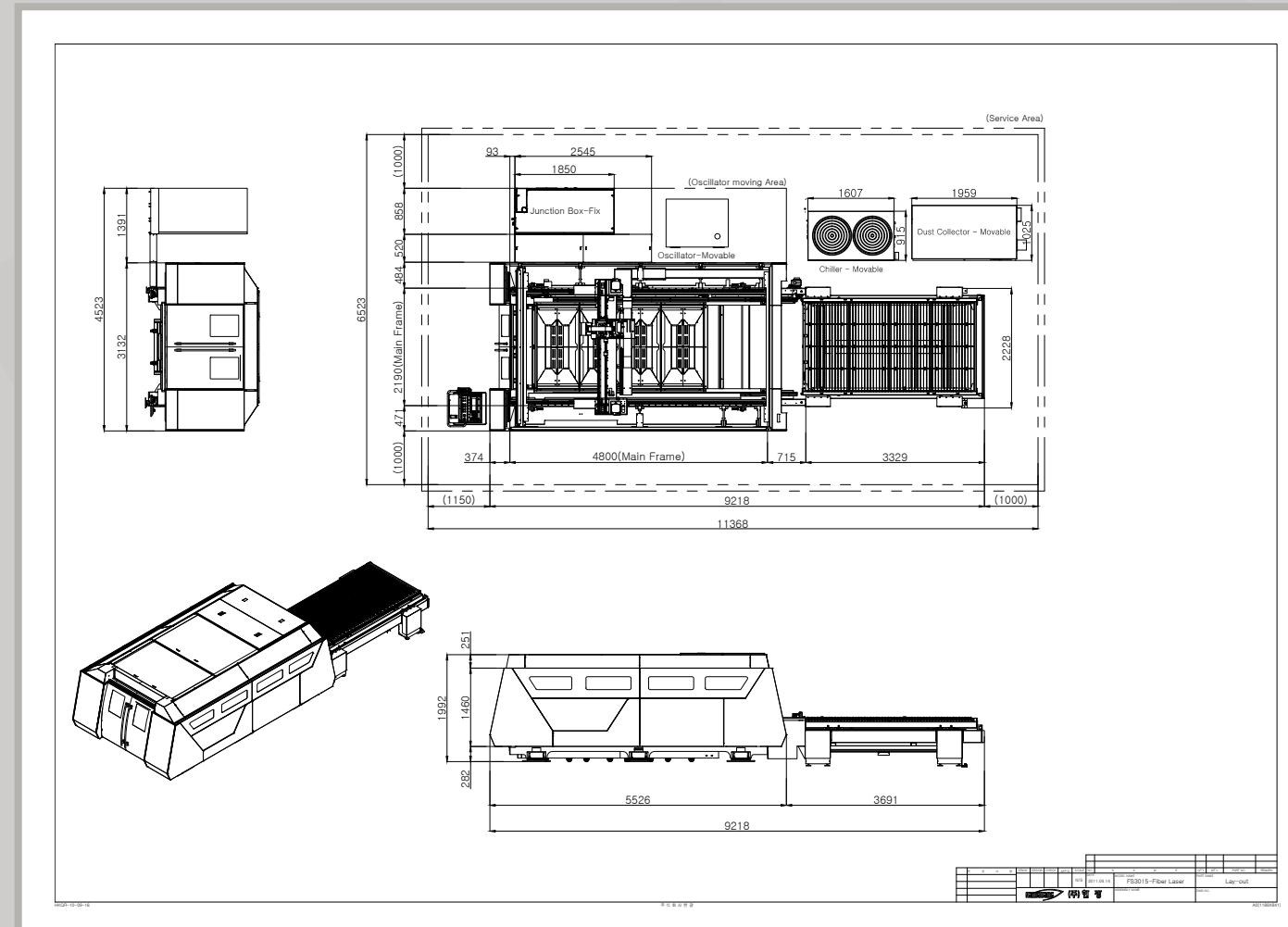


System Specifications

Laser Model	FS3015-Fiber	
Max. cutting size	62" X 123" (1.5m x 3.0m)	
Positioning speed (Combined)	6700 IPM (170m/min)	
Positioning speed X/ Y	4720 IPM (120m/min)	
Acceleration	1.5G	
Accuracy	+/-0.0039" over 120"	
Repeatability	0.001"	
Controller	Siemens SINUMERIK 840D	
Monitor	15" Touch Panel Screen	
Operating Software	Window XP Pro	
HDD	40G	
Memory	512MB	
Data communication	USB, Ethernet LAN	
Fiber Laser	2000 Watts	
Type	Fiber Laser	
Wave length	1 um	
Power Consumption	30-35 KW	
Max. Cut*	Mild steel	0.630" (15 mm)
	Stainless steel	0.315" (8 mm)
	Aluminum	0.160" (4 mm)
	Copper	0.120" (3 mm)
	Brass	0.160" (4 mm)

* Max Cut thickness is typical and only for reference, not guaranteed, and varies depending upon the material quality and the cutting parameters and circumstances.
 * Specifications are subject to change without notice.

System Layout



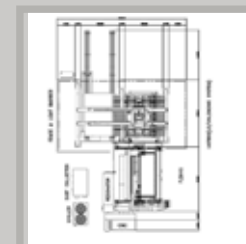
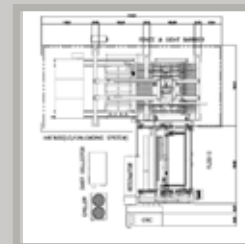
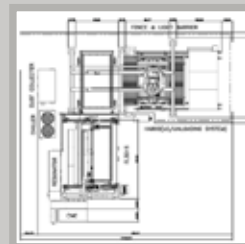
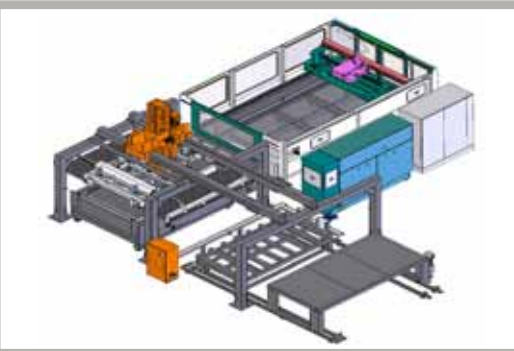
FS FIBER

Fiber Optic Series
2D Laser Cutting System



Automation Systems

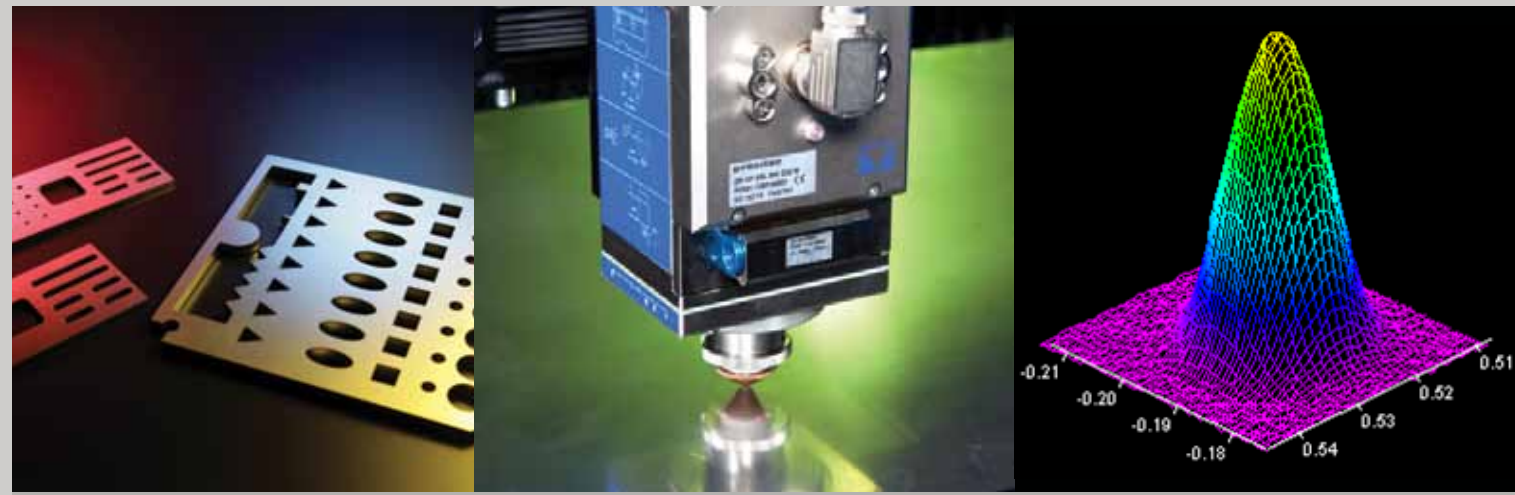
Auto Load / Unload System



Hankwang
LASER AND AUTOMATION

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FS FIBER

New Horizons in Laser-Cutting

FS FIBER represents the latest in control, drive and laser technology, providing superior accuracy, speed, and capacity. The fiber laser source offers excellent design and performance. The diode pumping module and fiber coupling designs, power generation and beam quality are unique in the industry. This translates into better performance, reliability, and higher customer satisfaction.

Han-Kwang's NEW FS FIBER has a reputation of performance. The rugged machine construction insures a stable frame for a high speed synchronized dual drive system that moves at speeds that exceed 6,700 IPM with 1.5G acceleration. Positioning and repeatability accuracies are within $\pm 0.001''$ in all zones of the cutting table. The Siemens® 840D™ controller with 15" flat touch screen provides easy setup features, diagnostics, and maximum operating flexibility. Cutting parameters are stored in a comprehensive material library and can be easily edited for variations in material thicknesses and compositions. FS FIBER can process light gauge sheet metal at cutting speeds approaching 1,000 IPM.

Versatile Cutting Edge Technologies

Han-Kwang Fiber Laser Technology

Han-Kwang, one of the top premier laser cutting machine manufacturers, has been in the laser industry for over 20 years, servicing the customer by producing more than 1000 units of the state-of-the-art laser cutting systems. Based on the company's experience and knowledge on the high speed flying-optics laser cutting system technology, Han-Kwang has successfully taken the next step in its technology development with the introduction of the new high speed fiber laser cutting system, FS FIBER.

- Laser beam generated and delivered through the fiber optic cable
- 70% energy savings by fiber laser compared to CO₂ laser
- No need for laser gas
- Cuts thin materials 2-3 times faster than CO₂ laser systems
- No need for optical mirrors to deliver the laser beam to the cutting head
- Cuts exotic materials including copper and brass
- Simple & modular fiber laser source

Features & Functions

- 2KW fiber laser resonator (higher powers available as an option)
- Siemens 840D SINUMERIK control
- Light weight cutting bridge with the synchronized dual servo motors
- Quick change non-contact cutting head
- Durable and rugged rack & pinion motions system
- Rapid traverse speed 6700 IPM with 1.5G acceleration
- 15" flat panel touch screen
- 512MB memory with 40GB HDD
- Cutting feed rate up to 1000 IPM
- Lens protective glass
- Open / close roof design
- Automatic regulator systems for three(3) assist gases
- Built-in cutting database



Ultra-Fast and Minimum Maintenance.

High Speed Cutting Head

The new high speed cutting head incorporated with the new FM sensing technology provides unsurpassed cutting speed and edge quality.



15" Flat Screen Touch-Panel

Lightweight roll around operator console with wide touch-panel screen gives enhanced convenience and easiness to operate the machine.



Cutting Speed vs. Thickness

