

Items	Specifications
Max. Sheet Size	5' x 10'
Max. Weight	6,614 lbs
Max. Height	4.73 inches
Cycle Time	60 seconds
Loading Method	Vacuum Suction
Unloading	Fork
Dimensions	315 x 103 x 110 in.
Loading Pallet	1
Unloading Station	1

- 1) Fork system is attached underneath the raw material pallet to move in unison to the machine shuttle table
- 2) Fork system picks up the processed sheet while the loader picks up the raw material above
- 3) Pallet/Fork Carrier returns to the home position
- 4) Loader moves down and loads the raw material to the table
- 5) Fork system unloads the processed sheet to the unloading station on the ground

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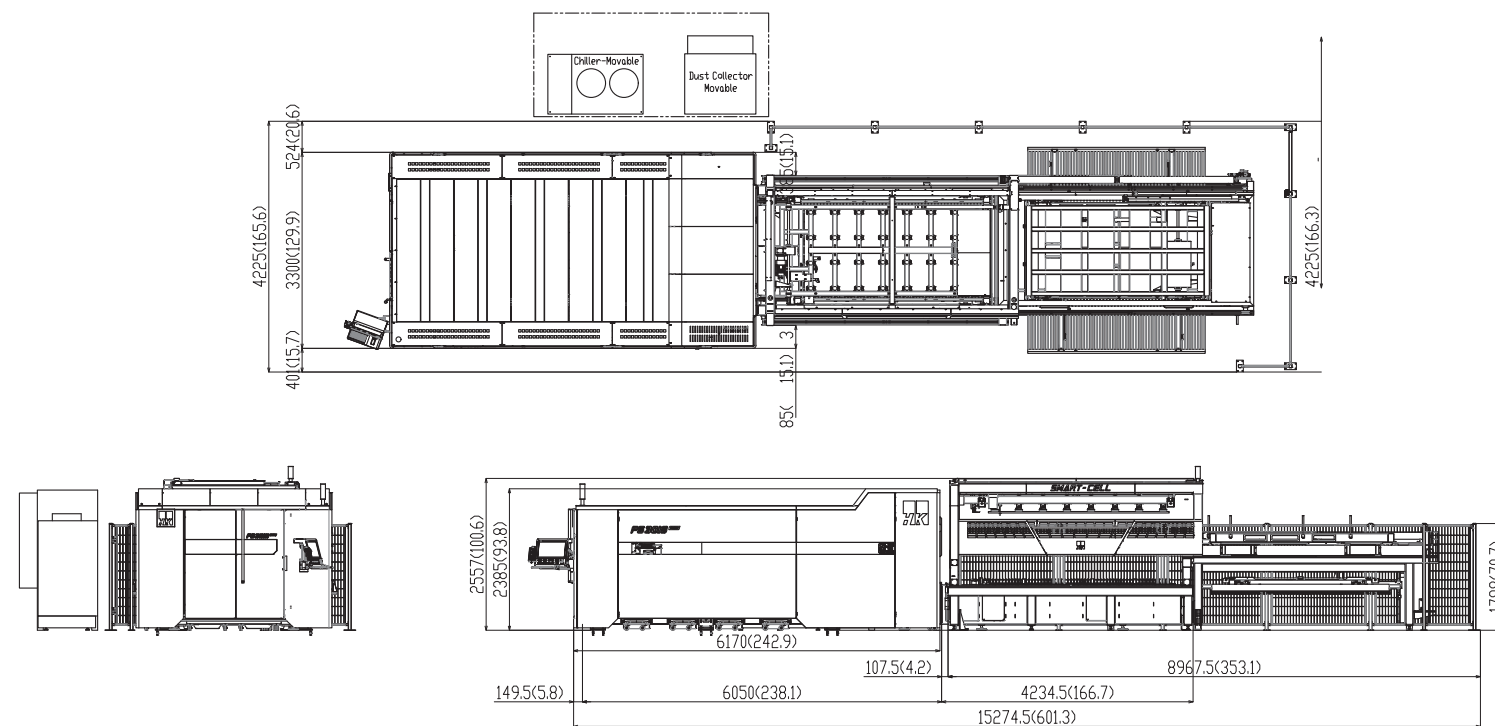
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FALCON SERIES Fiber Laser



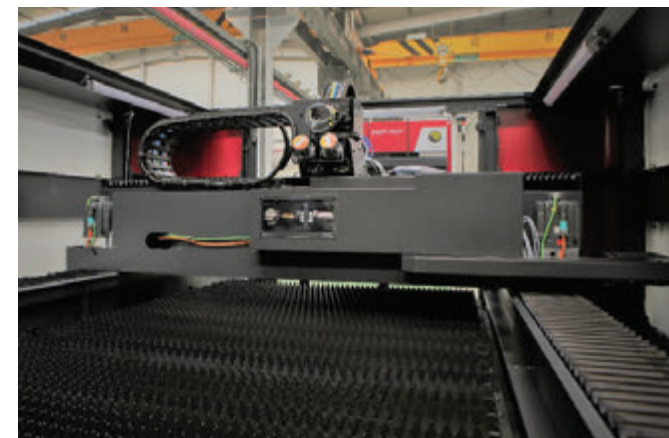
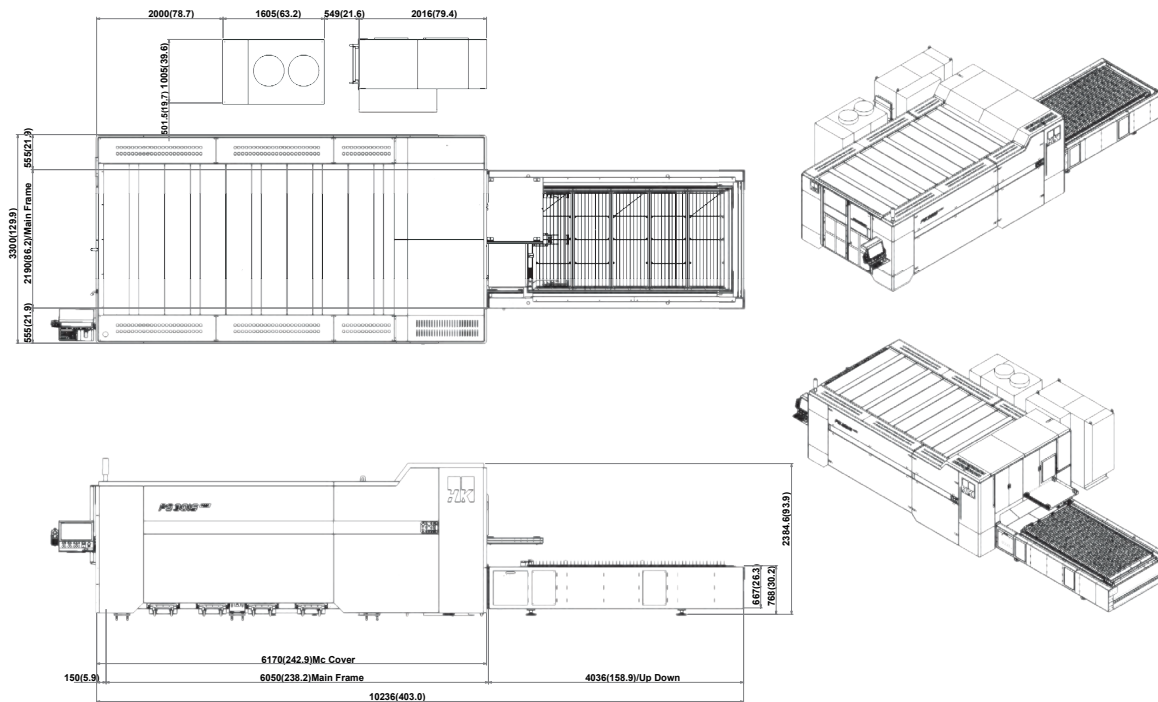
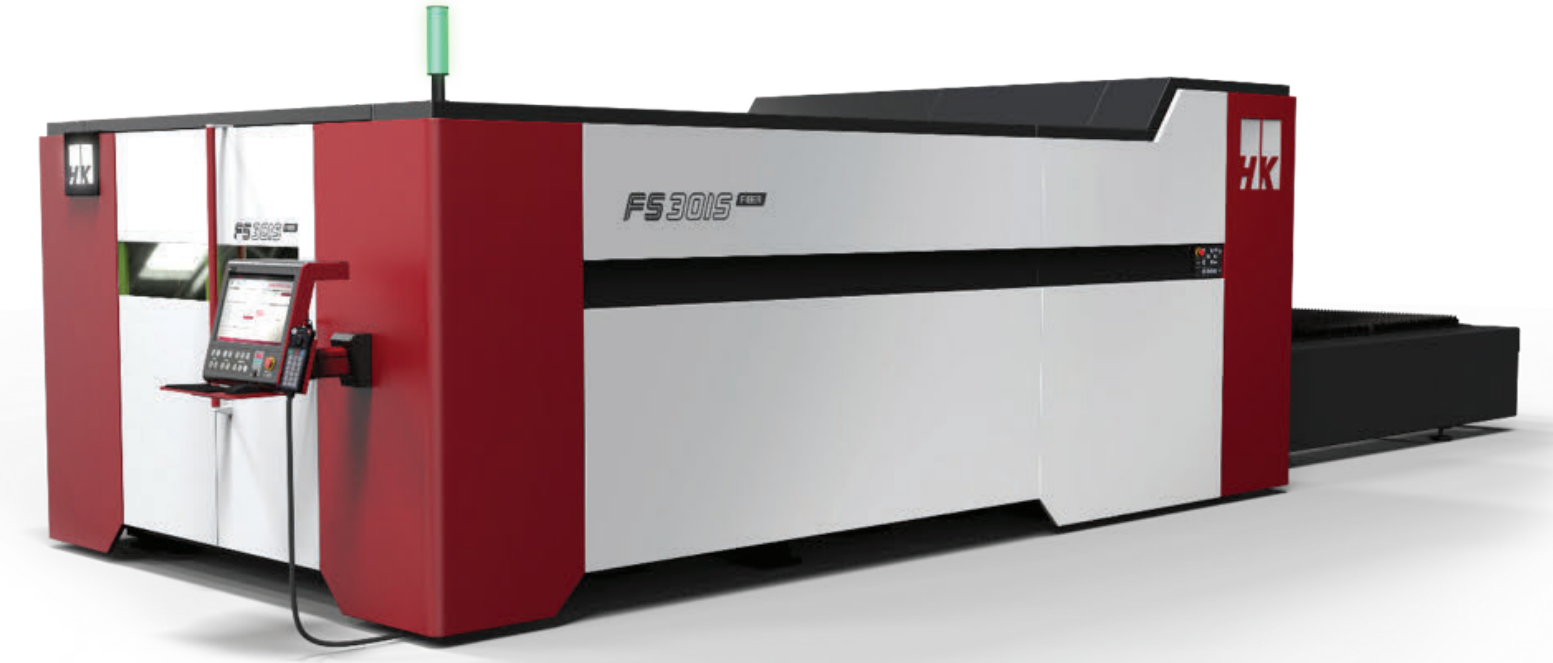
LASER & SYSTEMS

Distributor

Falcon Series Fiber Laser

The ULTIMATE value without compromise

Items	Specifications	Remarks
Model	FS3015F FALCON	
Laser power	2.5kw fiber	
Max cutting size	60" x 120"	
Max Thickness	AL .250", MS .630", SS .310"	Gas AL, N2 MS O2, SS N2
Positioning Speed	4200 IPM	X and Y axis combined
Positioning Accuracy	+/-0.0039"	Over 120" travel
Repeatability	0.001"	
Monitor	19" Flat Touch Screen	
Cutting Head	Auto focus control	
Head Sensing	Non-contact capacitive sensing	
Focal Length	5.90" (150mm FL)	
Assist gas port	Two(2) – Oxygen, HP Nitrogen	
Machine weight	34,000 lbs	
Electric Consumption	38KW	Including dust collector



Gantry

- Helical type Rack & Pinion drive system
- Synchronized dual servo motors at the gantry
- Built in electrical cabinet & fiber laser resonator



Auto Focus Fiber Cutting Head

- Auto focus range +.35"-.55" accuracy is .002". Maximum acceleration of focus lens drive 32.8'/sec
- Upper/Lower protective windows to shield collimator and lens
- Drawer-type lens mount, quick and easy access to the cover glass



HK Controller

- New design of HK control monitor & HMI unit
- 19" high-resolution flat touch screen with keyboard
- Platform with HK HMI application software
- Pendant operation panel Remote monitoring