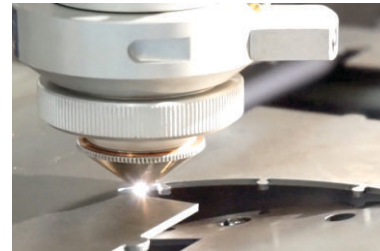




BOSSLASER™



BOSSLASER

A quality built laser machine needs to be precise, reliable, and backed by knowledgeable friendly support. Our laser systems meet these standards at a price that's affordable.

Whether your experience lies within industrial fiber laser technology or just starting to research the best laser cutter for your money, our staff is here to serve you.

MACHINES:

LS:

Laser Cutting non-metals

LS-1416
LS-1630
LS-2436
LS-3655

HP:

Laser Cutting &

Engraving stainless and non-metals

HP-2436
HP-3655
HP-5598

FM:

Marking & Engraving Metals

FM-20

FC:

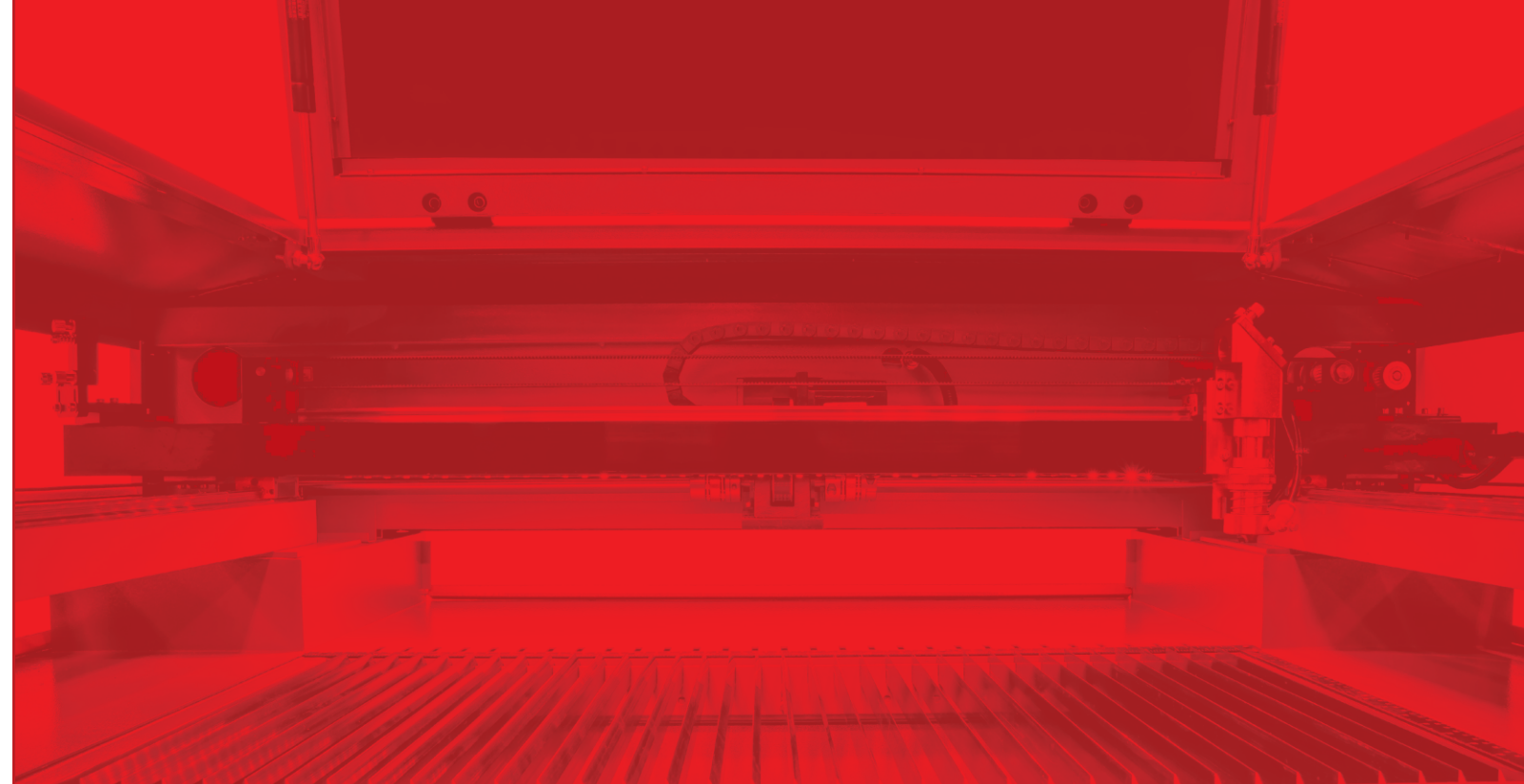
Laser Cutting Metals

FC-3650 - AccuCUT
FC-6012-Elite
FC-6012-PRO
FC-6012-EXT

FUME EXTRACTORS:

Filters out smoke, fumes, and debris while processing materials (including acrylic).

FiltraBOX AirDock
FiltraBOX COMPACT
FiltraBOX EXPAND



BOSS LS-Series

BOSS' LS series offers CO2 Laser cutting and engraving machines. Processing organic materials has never been easier. We offer intuitive software, more cutting power, and industrial grade components all backed by BOSS' outstanding life time support!

BOSS LS-1416

The LS-1416 Gen-5 laser engraver offers maximum power and more engraving work space than the common 16x12" platforms. Comes standard with premium U.S. optics, 50W CO2 laser tube or upgrade to our new 65W tube rated an estimated 5,000 hours.



Cutting Area	15.75"x13.75" or 19.75"x13.75"
Laser Power	CO2 Glass 50W optional 65W (cut up to 3/8" wood / acrylic)
Software Interface	LaserWORKS 8
Machine Dimensions	56.5"L x 32"W x 44"H (60W tube extension and stand)
Material Capability	Organics / non-metal - can mark treated metals
Material platform	Both Honeycomb & Knife Blade platforms
Z table	Push button lower or raise 8"
Venting Attachments	Air Exhaust fan w/ extended venting pipe
Net Weight	325 lbs. - machine only
Power Supply	Standard AC 110V (220V upon request)
OS Compatibility	Windows 10, 8, 7 (64/32 bit), XP, 2000
Laser / PC Connectivity	USB and WiFi networking
Job Memory Capacity	128mb via. USB flash drive
Warranty	12 months (all parts & CO2 tube)
Class	Class 4 laser

BOSS LS-1630

The LS-1630 offers a popular sized engraving area with the option to choose from a 65W to 100W CO2 tube. Designed & Engineered by Boss and built to last. Premium LaserWORKS v8 software and U.S. manufactured optics included.



Cutting Area	15.75" x 29.5" (400 x 750mm)
Laser Power	Includes 65W CO2 w/ available 100W
Software Interface	LaserWORKS 8
Machine Dimensions	65.5"L x 37.5"W x 44.5"H (with 100W tube extension)
Material Capability	Organics / non-metal - Able to mark pre-treated metals
Material platform	Both Honeycomb & Knife Blade cutting tables
Z table	Push Button lower or raise 8"
Venting Attachments	Air exhaust fan with venting tube
Net Weight	Space between 630 lbs
Power Supply	AC 110V (220V available upon request)
OS Compatibility	Windows XP, Vista, 7, 8, 10 (32 or 64)
Laser / PC Connectivity	USB connect
Job Memory Capacity	128mb via. USB flash drive
Warranty	12 months (includes parts & CO2 tube)
Class	Class 4 laser

BOSS LS-2436

Boss' industrial laser cutters begin with the GEN 5 - LS-2436. The higher power and larger format offers more material space and the ability to cut thicker material. Includes LaserWORKS v8 Boss Edition software, U.S. made focal lenses, and WIN 10 compatibility.



Cutting Area	35.4" x 23.6" (900 x 600mm)
Laser Power	65W, 100W, or 150W power options
Software Interface	LaserWORKS 8
Machine Dimensions	81.1"L x 46.5"W x 44.5"H (with 150W tube extension)
Material Capability	Organics or non-metals + pre-treated metals
Material platform	Honeycomb & Knife Blade cutting platforms
Z table	Motorized Z (7 in. adjustable)
Venting Attachments	Air exhaust fan with venting pipe
Net Weight	760 lbs.
Power Supply	Standard AC 110V (220V upon request)
OS Compatibility	Windows XP, Vista, 7, 8, 10 (32 or 64 bit)
Laser / PC Connectivity	USB connect or WiFi option
Job Memory Capacity	128mb via. USB flash drive
Warranty	12 months (includes parts & CO2 glass tube)
Class	Class 4 laser

BOSS LS-3655

The latest Gen-5 BOSS LS-3655 offers a 14.5% larger engraving area compared to the standard 48x36" platforms. Free premium LaserWORKS V8 software works with WIN 10, and American Photonics focal lenses.



Cutting Area	55.1 x 35.4in. (1400 x 900mm)
Laser Power	65W, 100W & 150W power options
Software Interface	LaserWORKS 8
Machine Dimensions	81.5"L x 58.2"W x 44.5"H
Material Capability	Organics or non-metals + pre-treated metals
Material platform	Honeycomb & Knife Blade cutting tables
Z table	Auto Z-table lowers 7"
Venting Attachments	Air exhaust fan with venting pipe
Net Weight	1,050 lbs.
Power Supply	Premium AC 110V 220V upon request)
OS Compatibility	Windows XP, Vista, 7, 8, 10 (32 or 64 bit)
Laser / PC Connectivity	USB or WiFi option
Job Memory Capacity	128mb via. USB flash drive
Warranty	12 months (includes parts & CO2 tube)
Class	Class 4 laser

BOSS HP-Series

If you're looking for an affordable laser machine that vector cuts and raster engraves either metal or non-metal, then BOSS' HP series offers affordable options.

Cutting Area	21.2" x 34.4" (540 x 875mm)
Laser Power	150W Standard
Software Interface	LaserWORKS 8
Machine Dimensions	81.1"L x 46.5"W x 44.5"H (with 150W tube extension)
Material Capability	Organics / thin-metal - Able to mark treated metals
Material platform	Includes Knife Blade platform with optional Honeycomb add-on
Z table	Motorized Z (7 in. adjustable)
Venting Attachments	Air exhaust fan with venting pipe
Net Weight	785 lbs.
Power Supply	Premium AC 110V (220V upon request)
OS Compatibility	Windows XP 7, 8, 10 (32 or 64 bit)
Laser / PC Connectivity	USB or WiFi option
Job Memory Capacity	128mb via. USB flash drive
Warranty	1 year (includes parts & CO2 tube)
Class	Class 4 laser

BOSS HP-2436

High Power 150W - 24x36" laser cutter delivers the ultimate in material flexibility. Vector cut or raster engrave metal or non metal materials. Multi-material pass thru options (4) for greater material handling. New Flex™ and VectorDC™ auto focus laser heads.



BOSS HP-3655

The HP-3655 (high power) laser engraves and cuts through deeper materials - plus metal! Includes a 14.5% larger work area compared to 48x36" platforms. We include LaserWORKS v8 laser software (WIN 10 compatible), U.S focal lenses, and upgraded industrial CW-5000 water chiller.



Cutting Area	33.4" x 54.33" (850 x 1,380mm)
Laser Power	60W to 150W options
Software Interface	LaserWORKS 8
Machine Dimensions	81.5"L x 58.2"W x 44.5"H
Material Capability	Organics and thin gauge metal able to etch pre-treated metals
Material platform	Includes Knife Blade platform with optional Honeycomb add-on
Z table	Auto Z-table lowers 7"
Venting Attachments	Air exhaust fan with venting pipe
Net Weight	1,100 lbs.
Power Supply	Premium AC 110V (220V upon request)
OS Compatibility	Windows XP 7, 8, 10 (32 or 64 bit)
Laser / PC Connectivity	USB or WiFi option
Job Memory Capacity	128mb via. USB flash drive
Warranty	1 year (includes parts & CO2 tube)
Class	Class 4 laser

BOSS HP-5598

The GEN 5 - HP-5598 offers an extra wide working platform of 55 x 98 inches (1400mm x 2500mm). Designed and Engineered at Boss the CO2 powered 5598 can vector cut and raster engrave both metal & non-metal materials. Includes upgraded American Photonics optics. Free on-site install and training.



Cutting Area	55.1" x 94.5" (1,400 x 2,400mm)
Laser Power	150W or 200W option
Software Interface	LaserCAD
Machine Dimensions	132"L x 84"W x 46.5"H
Material Capability	Organics & Stainless steel
Material platform	Equipped with Knife Blade cutting platform
Z table	Z axis - 2" telescoping laser head
Venting Attachments	Dual Air exhaust fan with venting pipe w/ optional gantry mounted ports
Net Weight	2,750 lbs.
Power Supply	Premium AC 110V
OS Compatibility	Windows XP, Vista, 7, 8, 10 (32 or 64 bit)
Laser / PC Connectivity	USB or WiFi option
Job Memory Capacity	128mb via. USB flash drive
Warranty	12 months (includes parts & CO2 tube)
Class	Class 4 laser

BOSS FM-Series

BOSS Fiber marking systems are ideal for marking and engraving raw metal applications as well as industrial polymers. Extreme speed, precision, and reliability at an affordable price.

Fiber Laser Power	20W, 30W, or 50W options
Speed	5,000 mm/ sec
Marking Area	4x4" up to 12x12"
Open Table	Unlimited material size
Z-Axis	Up to 30" vertical height adjustment
Laser Wavelength	1064mm
Repeated Accuracy	.002"
Software Interface	EZ CAD works
Cooling Method	Forced Air
Beam Quality	Diffraction of m2 < 105 to 2.0
Pump Design	Multi-channel Diode
Power Supply	110V/ 50Hz/2kVA
Image Formats	JPG, PLT BMP, DXF, TIF, AI, PNG, etc.
Rotary	Chuck rotary optional
Net Weight	220 lbs
Machine Dimensions	30" x 30" x 65"H
Warranty	Two (2) years on all parts
Class	Class 4 laser

BOSS FM-20

20-50 watt galvanometer fiber laser enables you to quickly and permanently mark or etch firearms, tools, metal parts, jewelry, bar codes, serial numbers, even industrial polymers.



BOSS FC-Series

BOSS' Fiber cutters are specifically engineered for industrial, production environments. Precision laser cutting metal machinery backed by competent support and a strong 2 year warranty is why more clients are investing into BOSS' fiber cutters.

Cutting Area X=51.2", Y=35.4", Z=3"
(900 x 1,300mm)

Materials Stainless, carbon, aluminum,
brass, copper, titanium

Fiber Laser Power IPG CW 500W, 700W, or 1KW

Laser Head Swiss made fiber cutting head
for high power cutting

Transmission Dual ball screw and HIWIN rail
transmission

Laser Software Interface CypCUT Plane Cutting Software

Motor Type AC Servo Motors w/ AC Driver

Phase 3 Phase

Venting Exhaust fans w/ venting pipe
included

Net Weight 3,900 lbs

Machine Dimensions 86"W x 85"L x 64"H

Warranty 2 Years
(includes parts & laser power)

Class Class 4 laser

BOSS FC-Accu-CUT

The FC-3650 Accu-CUT enclosed laser cutter offers superior sheet metal cutting accuracy. An enclosed 3x4' fiber machine the Accu-CUT offers greater precision, power, and speed than all its predecessors.

Capable of laser cutting stainless or carbon steel, aluminum, brass, copper, titanium, and other metal alloys.



BOSS FC-6012-Pro

Boss' FC PRO has proven to be a reliable, open bed (5'x10') fiber laser sheet metal cutter for production demanding environments. With IPG power options up to 700 watts the PRO comes standard with capacitive laser head, servos, and helical rack and pinion transmission.



Cutting Area(s)	X=59", Y=118", Z=3"
Materials	Stainless, carbon, aluminum, brass, copper, titanium
Fiber Laser Power	IPG CW 500W or 700W
Laser Head	Swiss made capacitive fiber cutting head for high power cutting
Transmission	Helical rack & pinion w/ HIWIN linear guide rails
Z-Drive	Ball Screw transmission w/ HIWIN Linear guide rails
Laser Software Interface	CypCUT Plane Cutton Software
Motor Type	Panasonic Servo Motors & Drivers
Phase	3 Phase
Venting	Exhaust fans w/ venting included
Net Weight	6,000 lbs
Machine Dimensions	93"W x 176"L x 78"H
Warranty	Limited 2 Year warranty
Class	Class 4 laser

BOSS FC-6012-Elite

For more demanding metal applications step up to Boss' higher powered FC Elite. Supports up to 1KW of fiber power all supported by higher grade components and drive system for greater precision and longevity.



Cutting Area(s)	X=59", Y=118", Z=3" or X=79", Y=236", Z=3"
Materials	Stainless, carbon, aluminum, brass, copper, titanium
Fiber Laser Power	IPG CW 500W, 700W, or 1KW
Laser Head	Swiss made capacitive fiber cutting head for high power cutting
Transmission	Atlanta gear helical rack & pinion w/ HIWIN linear guide rails
Z-Drive	Ball Screw transmission w/ HIWIN Linear guide bearings & rails
Laser Software Interface	CypCUT Plane Cutting Software
Motor Type	Yaskawa AC Servo Motors & Drivers
Platform	Pneumatic rollers for conveniently sliding sheet metal onto platform
Phase	3 Phase
Venting	Exhaust fans w/ venting pipe included
Net Weight	10,050 lbs
Machine Dimensions	96"W x 180"L x 82"H or 120"W x 315"L x 74"H
Warranty	2 Years (includes parts & laser power)
Class	Class 4 laser

BOSS FC-6012-EXT

Topping of BOSS' Fiber Cutter series is the EXT enclosed bed (5'x10') with exchange table. Like the Elite it is designed for industrial production environments with demanding sheet metal cutting applications. With IPG power options up to 3KW the enclosed design protects operators from accidental stray radiation. The EXT comes equipped with a capacitive laser head, servos, and helical rack and pinion transmission.



Cutting Area(s) X=59", Y=118", Z=4"

Materials Stainless, carbon, aluminum, brass, copper, titanium

Fiber Laser Power IPG CW 1KW, 2KW, or 3KW

Laser Head Swiss made capacitive fiber cutting head for high power cutting

Transmission Atlanta Helical rack & pinion w/ HIWIN linear guide rails

Motor Type Yaskawa Sigma 7 Servo Motors & Drivers

Z-Drive Ball Screw trans. w/ HiWin Linear guide bearings & rails

Platform Motorized switch table for efficient setup and productivity

Laser Software Interface CypCUT Plane Cutton Software

Phase 3 Phase

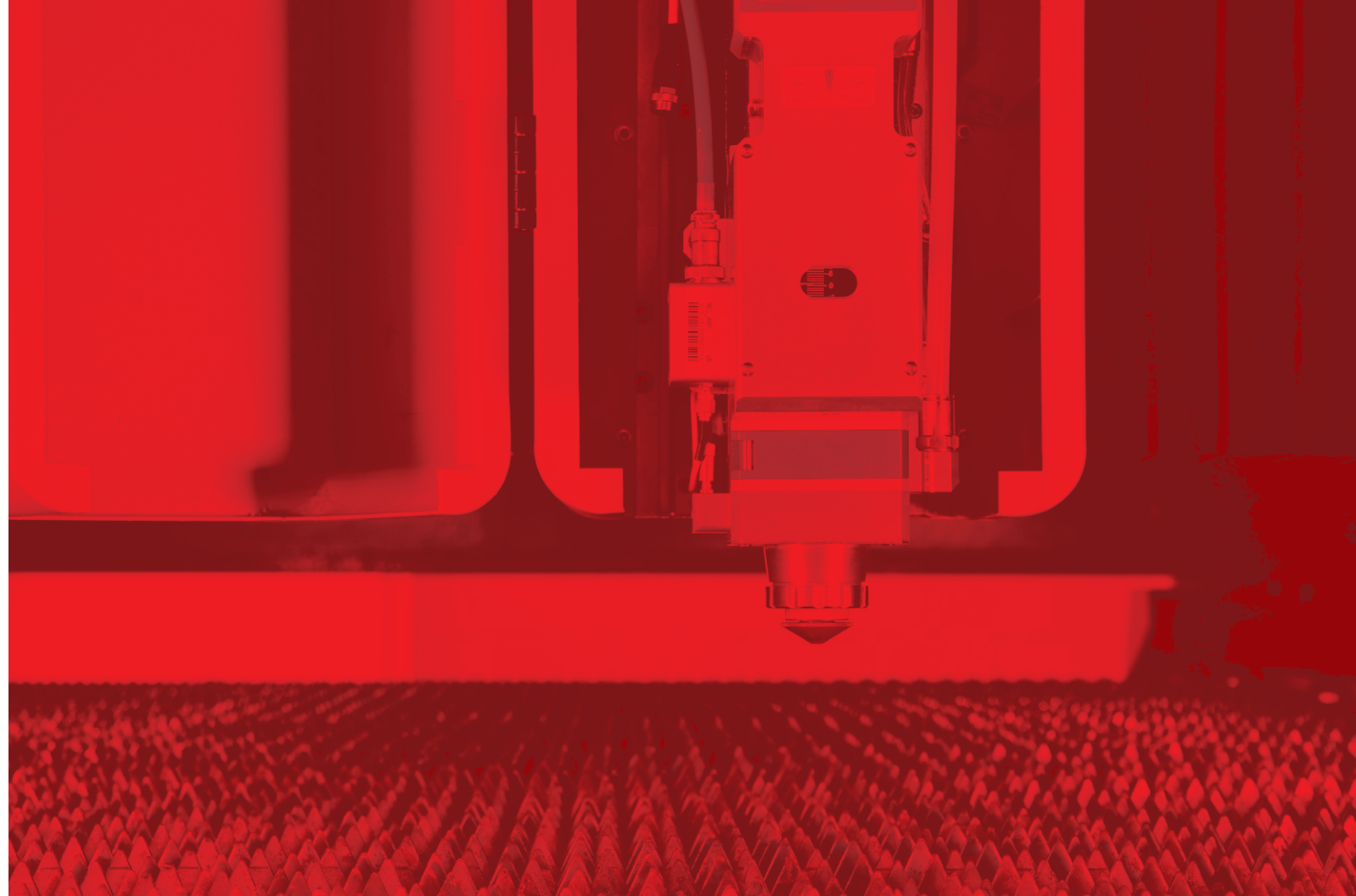
Venting Exhaust fans w/ venting included

Net Weight 30,000 lbs

Machine Dimensions 114"W x 321"L x 92"H

Warranty Limited 2 Year warranty

Class Class 4 laser



Boss Laser Fume Extraction Systems

Boss Laser is proud to introduce it's class leading fume extractors made in North America. Our fume extractors were design, engineered for our machines to remove virtually any fumes and odors - including acrylic!

Whether it's a confined area or office environment exhausting laser cutting fumes, smoke, and odors is a must. Even though all of BOSS' laser machines include exhaust fans and venting, exhausting out a room may not be an option due to health regulations or confined space. If so the patented FILTRABOX fume extractors will offer you an efficient and affordable solution.



FiltraBOX AirDock



FiltraBOX Compact



FiltraBOX Expand

	AirDock1	FiltraBOX Compact	FiltraBOX Expand
Price	\$1,750	\$3,250	\$5,250
Voltage	120V / 230V	120V / 230V	120V / 230V
Frequency (Hz)	50 / 60	50 / 60	50 / 60
Wattage (KW)	1.1 / 1.2	1.1 / 1.2	2.2 / 2.4
Blower Type	1 Brushed Motor	1 Brushless Motor	2 Brushless Motors
Dimensions	23" x 22" x 40"	23" x 22" x 33"	26" x 29" x 43"
Weight (Lbs)	100	130	225
CFM	190	210	420
Operating Decibels	56	50	53
Display/Control	LCD/ Push Button	LCD/ Push Button	LCD/ Push Button
Warranty	2 years (Class Leading)	2 years (Class Leading)	2 years (Class Leading)
Pre-Filters	Media: F9 Glassfiber (Class Leading) Filtration Area: 7m ² (Class Leading)	Cylindrical Pre-Filter Media: F9 Glassfiber (Class Leading) Filtration Area: 7m ² (Class Leading)	Cylindrical Pre-Filter Media: F9 Glassfiber (Class Leading) Filtration Area: 30m ² (Class Leading)
Hepa Filter	Rigid Aluminum HEPA Filter Efficiency: 99.999% @ 0.3 (Class Leading) Media: Glassfiber Filtration Area: 6m ² (Class Leading)	Rigid Aluminum HEPA Filter Efficiency: 99.999% @ 0.3 (Class Leading) Media: Glassfiber Filtration Area: 6m ² (Class Leading)	Rigid Aluminum HEPA Filter Efficiency: 99.999% @ 0.3 (Class Leading) Media: Glassfiber Filtration Area: 12m ² (Class Leading)
Gas Filter	OXY CARBON Filter Dual Action: Oxidation / Adsorption Carbon Weight: 40 lbs (Class Leading)	OXY CARBON Filter Dual Action: Oxidation / Adsorption Carbon Weight: 41 lbs (Class Leading)	OXY CARBON Filter Dual Action: Oxidation / Adsorption Carbon Weight: 83 lbs (Class Leading)
Replacement Media Cost	Pre-Filter: \$105 HEPA: \$195 Carbon: \$240	Pre-Filter: \$115 HEPA: \$195 Carbon: \$250	Pre-Filter: \$395 HEPA: \$275 Carbon: \$520

Engraver's *choice*



“YOUR ENGRAVING & LASER EXPERTS”

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