



A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY

WELCOME TO PORTABLE FUME EXTRACTION SOLUTIONS FROM BOFA



BOFA INTERNATIONAL IS A MULTI AWARD-WINNING WORLD LEADER IN PORTABLE FUME EXTRACTION AND FILTRATION TECHNOLOGY

We design, develop and manufacture systems for a wide range of industrial sectors and applications.

Our products ensure operator safety by capturing harmful dust and fumes which are generated during industrial processes while minimising disruption to production. We operate in the laser, electronics, dental, printing, mechanical engineering, beauty, pharmaceutical and 3D printing industries.

BOFA was acquired by Donaldson in September 2018 and makes a perfect partner to the Torit product range, giving a smaller airflow range (22-2200 cfm) and varied filter technologies.



FS 643451



BOFA is proud to be a Donaldson company. Founded in 1915, Donaldson is a global leader in the filtration industry with sales, manufacturing and distribution locations around the world.



WELCOME

TONY LOCKWOOD
MANAGING DIRECTOR,
BOFA INTERNATIONAL LTD



From humble beginnings to a recognised global brand.

Like Donaldson, we started out as a family run business, with one man working out of his garage. In time, his sons joined the business and it grew from there. In September 2018, 32 years on from when BOFA was founded, we were pleased to announce we have partnered with Donaldson Company, Inc.

We take pride in leading the market with our products and have been delighted to win some prestigious awards along the way! Our R&D, technology, innovation and design is what sets us apart from our competition, as well as our excellent pre- and post-sales support.

This new partnership brings two great businesses together to offer a more complete solution to the market and deliver an improved customer experience. There are many clear synergies, with Donaldson's portfolio of large-scale industrial extraction systems complemented by BOFA's extensive range of portable fume extraction systems.

What's more, we both share a passion for innovation and customer service, and this will only get stronger as a result of us working together.

Of course, we wouldn't be where we are today without the hard work and dedication of everyone involved with BOFA. Ours is a proud history and we have an exciting future ahead. We look forward to working with colleagues across Donaldson.

I hope you find this information booklet helpful in getting to know a bit more about us, and how we can work together from now on.

It has been designed to help you to understand which products can be offered and the support that will be given to you and your customers. You will then feel equipped to look for opportunities to facilitate or introduce enquiries and leads to BOFA.

If you have any questions, please don't hesitate to contact us. You can find details at the end of this pack.

BOFA SENIOR MANAGEMENT TEAM



JAMES OLIVER
FINANCE
DIRECTOR



HAYDN KNIGHT
SALES &
MARKETING
DIRECTOR



KEVIN BAMFORD
OPERATIONS
DIRECTOR



MATTHEW WRIGHT
SUPPLY CHAIN
DIRECTOR

HOW TO SHARE YOUR LEAD AND HOW YOU'LL BE REWARDED

When you're out in the field talking to customers and recognise they need portable fume extraction, we hope that you'll think of BOFA. All we need from you to get things started are a few simple details. We've created a simple form that you can fill in and send to us to pick up the lead.

WHO QUALIFIES:

- Torit District Managers
- Sales Channel Partners
 - Reps
 - Dealers

HOW TO SHARE YOUR LEAD:

1. Visit bofainternational.com/us/donaldson
2. Fill out required fields using your lead's information.
3. In the "your message" section, specify you are a Donaldson DM or Channel Partner and are submitting a lead.
4. Also, in the "your message" section, provide lead details or specifics of the project.
5. Once you submit your lead, it will go to our dedicated Donaldson inbox.

A screenshot of a web browser showing a lead submission form for BOFA. The form has a blue header with the BOFA logo. Below the header, there's a section titled "Please fill out the form with your sales enquiry details." containing fields for Name, Phone, Email, Address, and a "Your message" section. At the bottom, there are two small images: one showing a person working and another showing a BOFA fume extractor.

GET REWARDED:

Each quarter, BOFA will review all lead submissions and confirm a quote was created because of the lead.

Donaldson will be given a quarterly report of all qualifying leads.

\$50 Visa Gift Card for each qualified lead in previous quarter.

RELAX:

... confident knowing your enquiry will be dealt with by our colleagues.

KEY CONTACTS AT BOFA

Darron Norrad

Sales Support Team Manager

Email. darron.norrad@bofaamericas.com
Direct Dial. (618) 205 5007
Ext. 1004

Michael Smith

Technical Support

Email. michael.smith@bofaamericas.com
Direct Dial. (618) 205 5007
Ext. 1007

Deanna Cain

Sales Order Processing

Email. deanna.cain@bofaamericas.com
Direct Dial. (618) 205 5007

WHO WE ARE

Our mission is to maintain our position as a world leader in portable fume extraction technology, delivering innovative, quality product solutions that combine high performance with low cost of ownership.

Founded 1987

260 Staff

Award Winning

Offices in the UK; US; Germany

Sold in 120 countries

24,000 units built annually

90% sold overseas

Support the British Lung Foundation

TAKE A LOOK INSIDE BOFA

Find out more about what BOFA does [by watching our video here](#), including a look into our manufacturing facilities.

In May 2018 our new Head Office in Poole was opened by HRH The Duke of Kent KG. [Watch the official Royal opening ceremony here!](#)



MULTI AWARD-WINNING

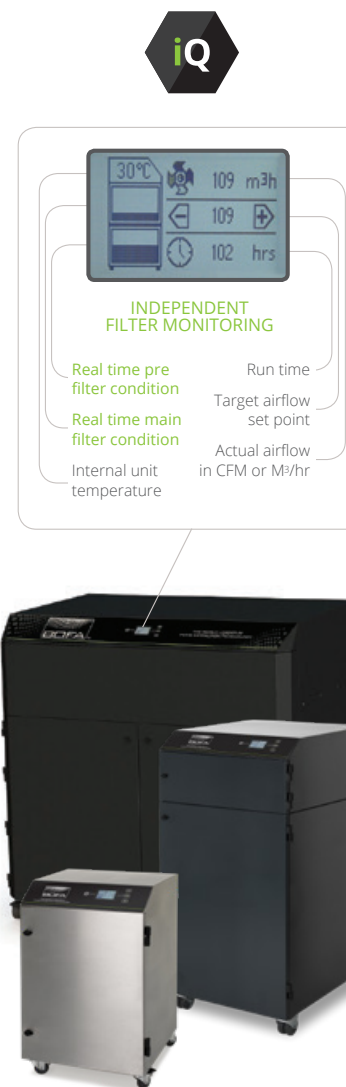


AWARD WINNING TECHNOLOGY

BOFA is awarded the Queen's Award for Enterprise 2017 for Innovation!

This highly prestigious accolade celebrates UK businesses who demonstrate excellence in their field. BOFA has been recognised for the development of the revolutionary Intelligent (iQ) Operating System, which is transforming the way that organisations around the world are able to protect the health of employees and improve production processes. The unique iQ system takes performance and safety parameters to a new level and ensures that maintenance downtime and ownership costs are kept to a minimum.

We also won the Queen's Award for International Trade in 2012, recognising that over 90% of our products are now exported overseas.

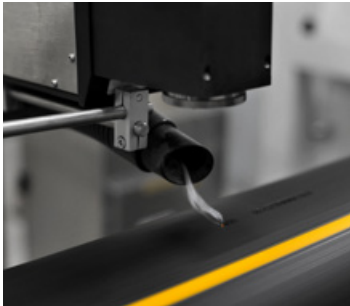


bofainternational.com/iq

1987 BOFA UK Ltd founded	2003 ADVANTAGE range launched	2004 Name changes to BOFA International Ltd	2007 PrintPRO & PureBEAUTY ranges launched	2008 BOFA Americas Inc. formed	2011 DentalPRO & FumeCAB ranges launched	2012 Win Queen's Award: International Trade	2013 Win PPMA award	2014 3D PrintPRO range launched	2017 Win Queen's Award: Innovation Office in Germany opened	30 Years 2018 Open new global head office & Centre of Excellence Acquired by Donaldson
------------------------------------	---	---	--	--	--	---	-------------------------------	---	--	---

WHY WE DO IT

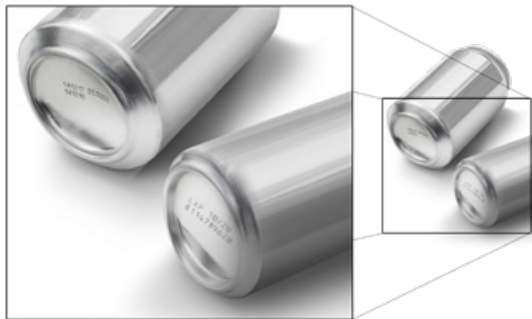
PROTECTION FOR EQUIPMENT



Laser marking

By maintaining a dust-free operating area, our systems help to protect valuable equipment, maintain a higher quality product and reduce the number of rejects and contaminants.

Particles and droplets can enter equipment through process or during mechanical intervention. With no extraction in place, there's no control over which direction contaminants travel and the machine's performance and reliability can very quickly become compromised. If left, over time, some contaminants can cause irreversible and very costly damage.



Laser coding onto cans

Minimising or eliminating contaminants is essential to ensuring optimum machine performance and reducing the amount of maintenance and cleaning requirements and reducing the risk of loss of product.

Give equipment the best opportunity to perform its intended function.

PROTECTION FOR THE ENVIRONMENT



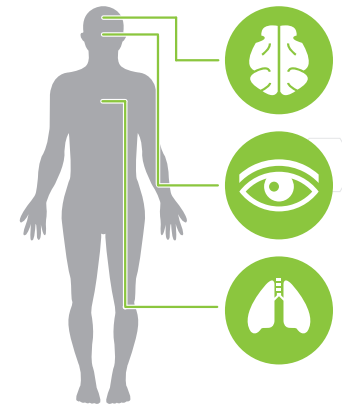
The quality of our environment has a direct impact on our well-being. Capturing fumes and particulates and keeping them contained is the only way to ensure the environment is protected.

This extends beyond the immediate work environment as the deposition of airborne particles can have a negative and long-lasting impact on the natural and man-made environment, causing physical and chemical degradation of materials.

PROTECTION FOR STAFF

Exposure to hazardous substances can affect the body in many different ways and can cause problems for anyone who comes into contact with airborne particles. Skin contact, inhalation and ingestion can cause damage and the effects often build up over time.

Air purification is vital for health protection to reduce the long-lasting and sometimes fatal impact of uncontrolled fumes. Personal protective equipment should not be considered a substitute for proper fume control. Simply venting unfiltered fumes through a window or wall does not provide adequate extraction and is likely to be illegal.



Human lungs have a surface area similar to a tennis court and are a direct pathway to the bloodstream. This means that each breath can exchange a huge number of chemicals between the air and blood.

- | | |
|-----------------|---|
| > 50 microns | particles are not inhaled |
| > 10 microns | particles become trapped in the upper respiratory tract and nasal cavity. |
| > 5 microns | particles are ejected by the mucociliary escalator. |
| 0.5 – 5 microns | particles are likely to be retained in the lungs. |
| < 0.5 microns | particles are exhaled. |

Lasers in particular are known to generate a much higher proportion of particles and droplets in the **1 to 5 microns** range

LUNG DISEASES CONTRACTED AS A RESULT OF WORK PRACTICES INCLUDE:

- Asthma
- Emphysema/COPD
- Lung cancer
- Silicosis

**PROTECTING WORKERS:
SAVING LIVES**



WHERE BOFA FITS IN THE MARKET

We design, develop and manufacture great value, high quality portable extraction and filtration equipment for a wide variety of industries to remove dangerous fumes or particles. Our extensive range of proven fume extraction solutions satisfy a broad range of applications – from single user systems to large scale units with unsurpassed filter capacity and high performance:

TYPICAL APPLICATIONS

Where you might find BOFA products:

- ✓ Food and beverage packaging lines
- ✓ PCB assembly lines
- ✓ Education centres
- ✓ Medical device manufacturers
- ✓ Dental implant manufacturers
- ✓ Automotive parts manufacturing
- ✓ Nail salons
- ✓ Artefact restoration
- ✓ Product prototyping

Where you won't find BOFA products.

Our range of extraction products range from 25 - 2200 cfm, so anything outside of these parameters we don't deal with.

- ✗ Wet applications
- ✗ Oil applications
- ✗ Room ventilation
- ✗ ATEX environments

The right product for the right process.

We also work with customers to develop solutions for their specific applications.

If you or any of your customers require further information about portable fume and dust extraction, please contact us.

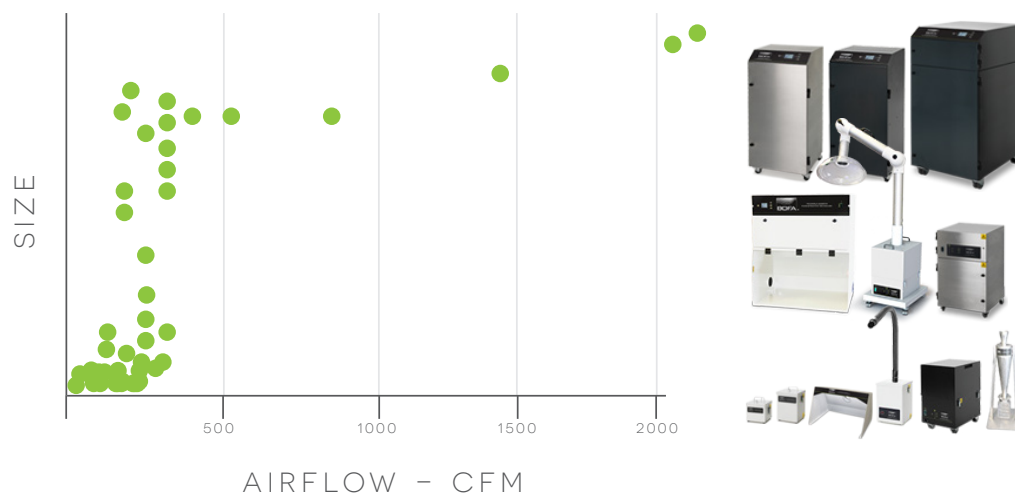
SOME OF OUR COMPETITION



SOME OF OUR CUSTOMERS



HOW BOFA PRODUCTS SUPPORT THE MARKET



THE EVOLUTION OF THE BOFA EXTRACTOR

1987

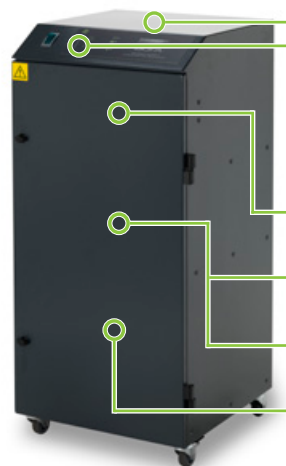
The first BOFA machines were simple yet effective extraction devices that relied on operatives to recognise faults or filter blockages.










2008



The introduction of **automatic flow control** meant the operator could preset the correct airflow rates for the specific application, and the unit would maintain the airflow. More features started to be added...



-  **MVS**
Multi voltage sensing unit
-  **AFC**
Automatic flow control technology
-  **RFA**
Reverse flow air technology
-  **ACF**
Advanced carbon filter technology
-  **HEPA**
HEPA filter
-  **DeepPleat DUO**
Patented pre filter
-  **PATENTED**
Patented technology

bofainternational.com/afc

We are recognised as a market leader in portable dust and fume extraction, delivering great value, high quality products. We have developed an extensive range of proven fume

extraction solutions to satisfy a broad range of applications - from single user systems to large-scale units with unsurpassed filter capacity and high performance.

2012



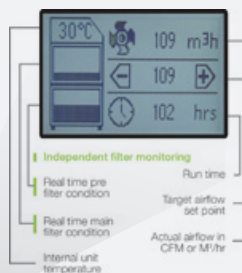
The launch of our revolutionary **Intelligent (iQ) Operating System** brought multiple performance enhancements for higher efficiency of extraction, individual filter status monitoring and integral design features that combine to deliver a lower cost of ownership.



We're proud to have won a Queen's Award for Innovation for the iQ, in 2017.



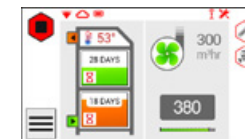
Patented technology



bofainternational.com/iq



The next generation of fume extraction will combine field proven iQ reliability with a range of new and highly advanced feature enhancements, adding significantly to the list of seller and user benefits.



Patent pending technology



bofainternational.com/iq2

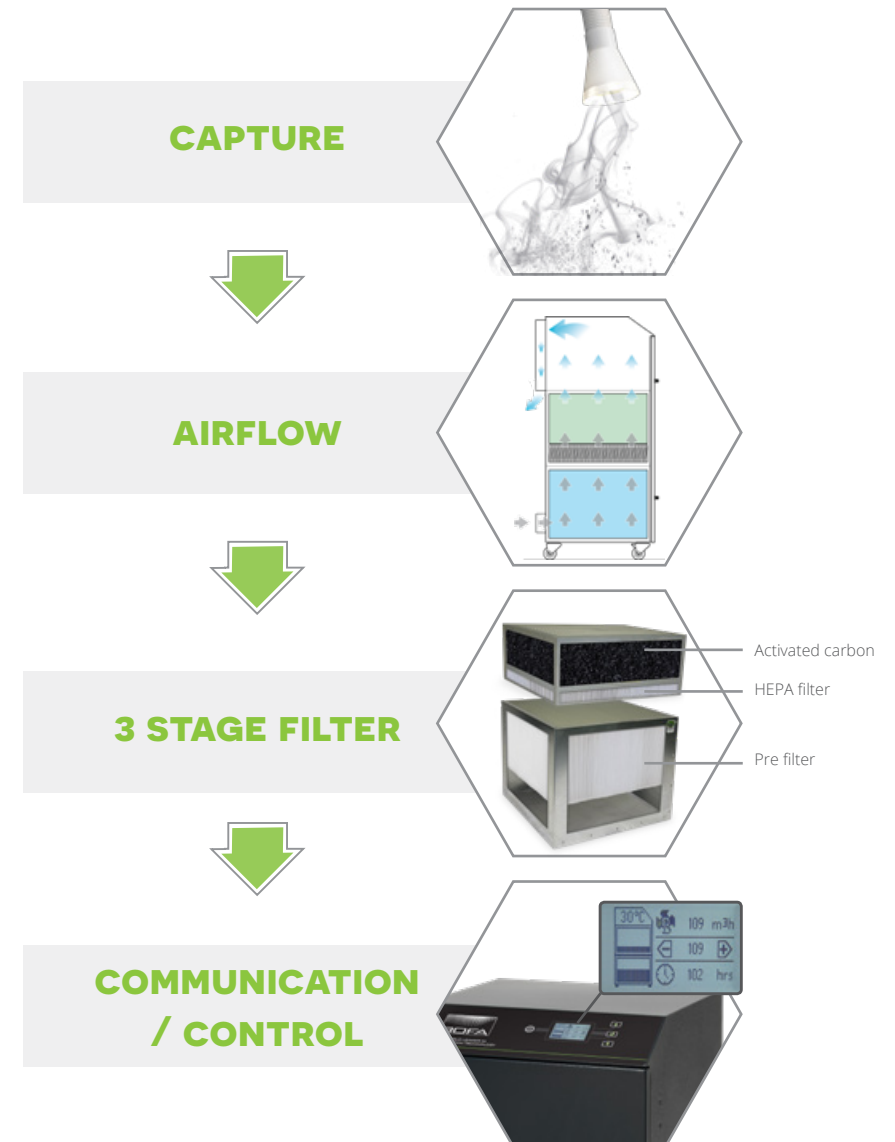
A TYPICAL BOFA PRODUCT

Take a look inside:
AD Oracle iQ



DIMENSIONS	AIRFLOW	PRESSURE	NOISE LEVEL (AT TYPICAL OPERATING SPEED)	WEIGHT	PRE FILTER MEDIA SIZE	DEEPPLEAT DUO DROPOUT CHAMBER SIZE	CARBON WEIGHT	HEPA FILTER MEDIA AREA
38.5 x 17 x 17" 980 x 430 x 430mm	223cfm 380m³/hr	96mbar	< 60 dBA	143lbs 65kg	12m²	16.2 litres	15 kg	3m²

THE FOUR STAGES OF A BOFA FILTRATION SYSTEM



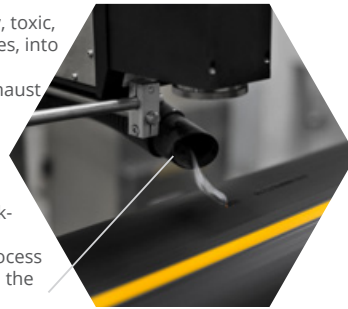
FILTRATION HOW IT WORKS

BOFA extraction and filtration units have the capability to turn the dirty, toxic, harmful fume and particulate created by many manufacturing processes, into air cleaner than what we breathe outside. The three stage filtration method ensures the air released from the exhaust of the extractor is clean and safe to be vented back into the workplace.

Imitation or cheap filter systems are likely to be poor quality and may cause harmful fume to be released into the working environment, presenting a real risk to equipment, processes and workers.

With BOFA filters, particulate is effectively captured from the working area by many means, depending on the process.

For example, the smoke and fume from this laser marking process is captured by a moveable extraction nozzle located close to the source.



Once the fume has been captured, it is transported through pipework at a high enough velocity to constantly keep the particulate in the airstream. This prevents any build-up of dust that could settle and cause blockages within the pipework and which may decrease the performance of the extraction system.

Fume and particulate then enter the BOFA machine where the three stages of filtration occur:

STAGE 1



Particulate and fume pass into the DeepPleat DUO pre filter. The smaller particulate is captured by the pleat of the filter while larger particulate falls and is collected in the filter's drop-out chamber. The pre filter efficiency is 95% of particulate capture at 0.9 microns.

STAGE 2

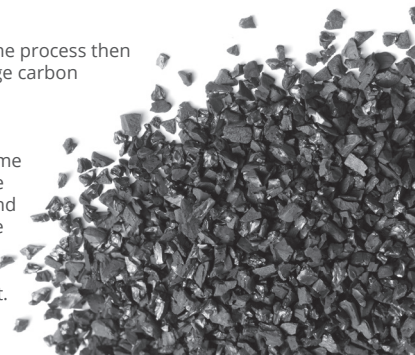
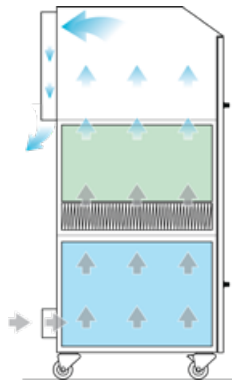


Any smaller particulate and fume are then trapped by the extractor's combined filter. The fume and particulate pass into a HEPA filter which captures 99.997% of particulate at 0.3 microns.

STAGE 3



The fume from the process then passes into a large carbon bed, where inter molecular forces between the carbon and the organic compounds in the fume cause it to adhere to the large surface area of the carbon, and therefore removes it from the airstream. The cleaned air is then safe to be vented back into the working environment.



DEEPPLEAT DUO



THE LONGEST LASTING PRE FILTER AVAILABLE ON THE MARKET

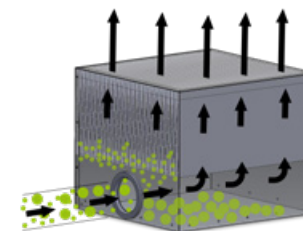
BOFA's unique patent-protected DeepPleat DUO pre filter technology is designed to maximise filter life. It incorporates a massive capacity drop-out chamber within the filter, along with an impressive surface area above the chamber to deal with a high volume and variety of particulate, ensuring optimised performance and filter life. Within the housing there is a sealed 200mm deep pleat layer of F8 media giving a surface area in excess of 6;12; and 30 sq metres.

Thanks to a specially moulded grommet style gasket situated within the drop out chamber the DeepPleat DUO is designed for easy and safe installation and replacement, which is particularly important as often harmful contaminants are captured within the filter.

The DeepPleat DUO is available in three different sizes, offering different drop-out chamber sizes and surface media areas:

Find out more:

bofainternational.com/deeppleatduo



Product	Inlet size	Dropout chamber size	Surface media area	Filter media pleat size
AD Nano (+)	50mm	7.44 litres	6m ²	150mm
AD Oracle iQ	75mm	16.2 litres	12m ²	200mm
AD 500/1000/1500 iQ	125mm	58 litres	30m ²	200mm
AD 2000 iQ	125mm	58 litres x2 (116 litres)	30m ² x2 (60m ²)	200mm x2 (400mm)
AD 4000 iQ	125mm	58 litres x3 (174 litres)	30m ² x3 (90m ²)	200mm x3 (600mm)

ACF

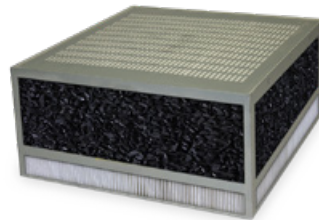


ADVANCED CARBON FILTER TECHNOLOGY

ACF assures safe capture and removal of hazardous fumes. Contaminated air must remain in contact with the carbon bed for a period of time sufficient to ensure that no contaminants or odours are emitted ('dwell time'). Our design considers the balance between airflow rates and the type, depth and surface area of the carbon used to ensure suitability for the contaminants associated with the application and to ensure appropriate dwell times are achieved.

Our filters have been developed to capture all contaminants and odours, eliminating the risk of bypass and/or tunnelling.

Find out more: bofainternational.com/acf



AWARD WINNING



iQ



INTELLIGENT OPERATING SYSTEM



- ✓ Feature Highlights:
- ✓ Black on White LCD display
- ✓ Clear and simple real time features
- ✓ Independent filter condition monitoring
- ✓ Real time airflow reading and set point
- ✓ Run hours displayed / Real time log
- ✓ Temperature monitoring
- ✓ Extraction running indicator
- ✓ Hose blocked warnings
- ✓ System interfacing
- ✓ Cool-Clean air option
- ✓ Remote diagnostics via USB connection
- ✓ "Black Box" event log
- ✓ Remote configuration
- ✓ Performance evaluation and presentation graphs



INDEPENDENT FILTER MONITORING

- Real time pre filter condition
- Real time main filter condition
- Internal unit temperature
- Run time
- Target airflow set point
- Actual airflow in CFM or M³/hr

Intelligent (iQ) Operating System

Our patent-protected award-winning Intelligent (iQ) Operating System performs at two distinct levels: operators benefit from the ease of operation and clarity of real time information and the system provides a cache of analytical data, enabling users to download performance and operating parameters for evaluation purposes.

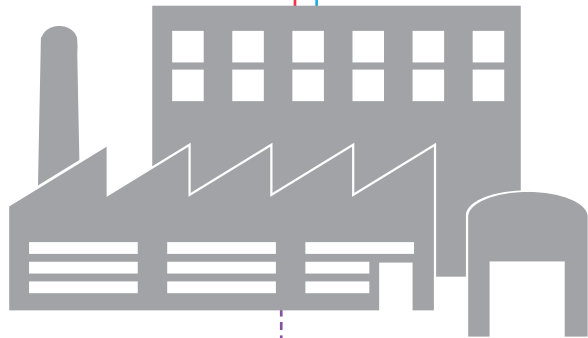
Find out more: bofainternational.com/iq

PORTABLE FUME EXTRACTION FOR FACTORY PROCESSES

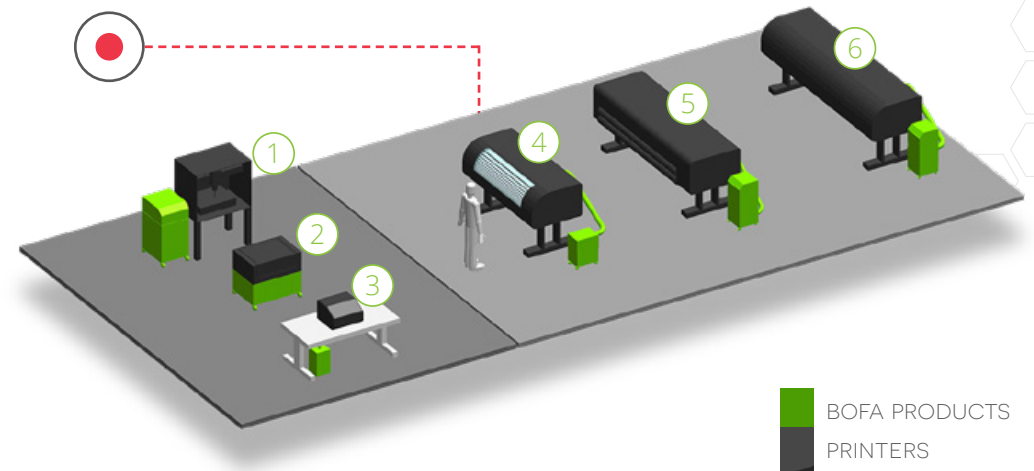
PRINT & 3D PRINTING
PROCESSES

LASER PROCESSES

ELECTRONICS PROCESSES

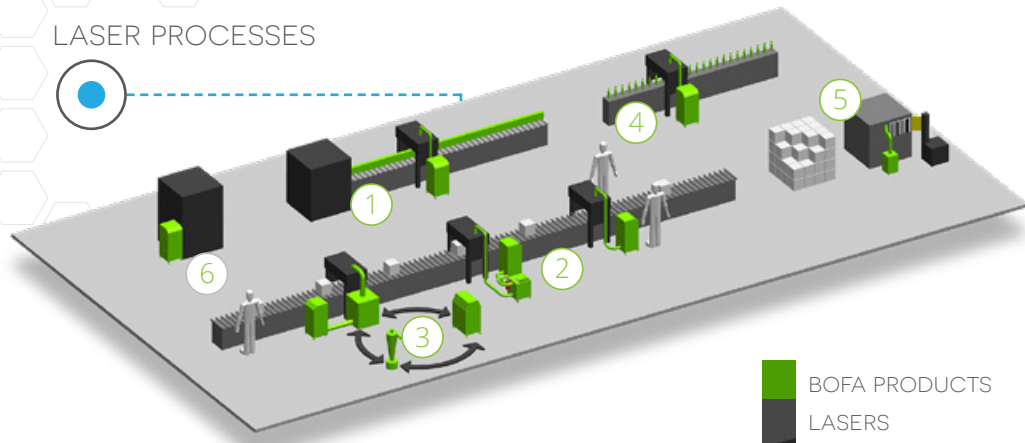


PRINT PROCESSES



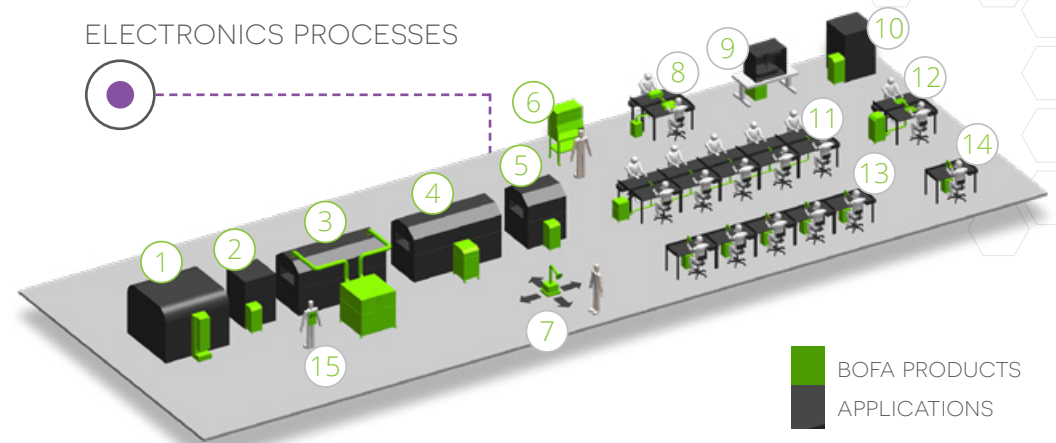
- 1 **Stand Alone Engraving Unit**
Application: Gift and promotional marking.
Product Example: AD 1000 iQ.
- 2 **Base 'Ride-on' Engraving Unit**
Application: Product identification / model marking / engraving / cutting.
Product Example: AD Base 2 Oracle.
- 3 **Desktop Laser Engraving Unit**
Application: Product identification / model marking / engraving.
Product Example: AD 250 / AD 350.
- 4 **UV Printing**
Application: Point of sale, posters, flags and banners.
Product Example: PrintPRO Universal
- 5 **Solvent Printing**
Application: Point of sale, posters, flags and banners.
Product Example: PrintPRO 1000 iQ.
- 6 **Dye Sublimation Printing**
Application: Fabric printing, point of sale, posters, flags and banners.
Product Example: PrintPRO 800 DS.

LASER PROCESSES



- 1 **PVC Extrusion Line**
Application: Laser coding.
Product Example: AD PVC iQ.
- 2 **Packaging Line**
Application: Laser coding fire protection.
Product Example: AD FireBOX GA and AD Oracle iQ.
- 3 **Packaging Line**
Application: Laser coding / product identification / Inline filters.
Product Range: Advantage Inline filter range.
Example: Inline filter 600 / Cyclone / Inline filter 1000
- 4 **PET Bottling Line**
Application: Laser coding.
Product Example: AD Oracle iQ.
- 5 **Packaging Line**
Application: End of line product identification using ink-jet printer.
Product Example: DustPRO Universal.
- 6 **Laser work station**
Application: Laser engraving.
Product Example: AD Oracle iQ.

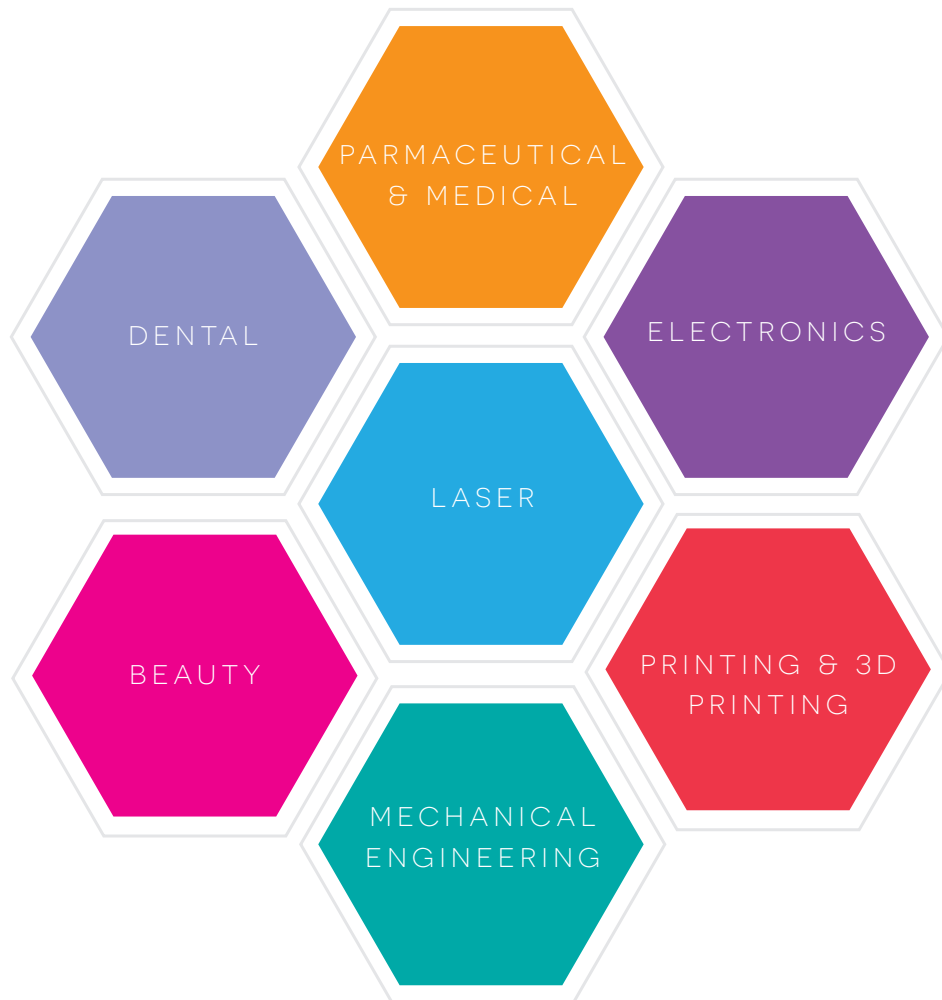
ELECTRONICS PROCESSES



- 1 **Screen Printing**
Application: Solder paste application.
Product: Temperature Control Unit (TCU).
- 2 **Automated Gluing System**
Application: PCB component placement.
Product Example: V Oracle iQ.
- 3 **Automated PCB Assembly**
Application: Reflow oven.
Product Example: V 4000.
- 4 **Automated PCB Assembly**
Application: Wave soldering.
Product Example: V 1000 iQ.
- 5 **Automated PCB Assembly**
Application: Selective soldering.
Product Example: V Oracle iQ.
- 6 **Fume Cabinet Extraction**
Application: Conformal coating and general solvent vapour and multi tasking.
Product Example: FumeCAB 1000 iQ.
- 7 **Mobile Fume Extraction**
Application: General maintenance, wave solder 'de-drossing'.
Product Example: Mobile FumeKART.
- 8 **Manual Hand Grinding/Depaneling**
Application: Component finishing, dental prosthetics, sign making.
Product Example: DustPRO 400.
- 9 **CNC Milling**
Application: Dental prosthetics, sign making, PCB routing.
Product Example: DustPRO Universal.
- 10 **Conformal Coating**
Application: Automated conformal coating.
Product Example: V 1000 iQ.
- 11 **Manual PCB Assembly**
Application: Soldering of PCBs.
Product Example: T15. Up to 15 operatives.
- 12 **Solder Potting**
Application: Manual soldering and potting.
Product Example: V Oracle iQ.
- 13 **Manual PCB Assembly**
Application: Soldering of PCBs.
Product Example: V 250. 1-multiple arms.
- 14 **Component Potting**
Application: Component potting / finishing, dental prosthetics, sign making.
Product Example: PrintPRO Universal.
- 15 **Compliance Certification**
Application: Thorough annual inspection and test.
Product: PROtect LEV Service Plan.

INDUSTRIES

Here are some examples of our best selling products in each industry range.



LASER FUME EXTRACTION APPLICATION CHART

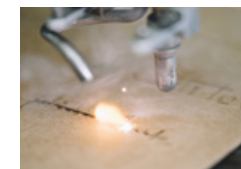


BOFA's ADVANTAGE range of laser fume extraction and filtration systems are designed for applications that generate particulate and gaseous volatile organic compounds (VOCs) within the laser coding, marking, cutting and engraving industries. Our Base units have been designed so that a number of manufacturer's laser engravers can sit on top of the extractor, effectively doubling up as a work station.

	Laser fume extraction system		
	AD Access	AD Oracle IQ	AD 4000 IQ
✓ = Good match ✓ = Ideal product			
Airflow			
Max airflow in CFM	106	223	2119
Pressure in mbar	30	96	44
Applications			
Laser coding - Traceability / date codes	✓	✓	
Laser marking - QR codes or company logo	✓	✓	
Laser drilling - Pilot holes	✓	✓	✓
Laser cutting - Prototyping, arts and crafts	✓	✓	✓
Laser welding - Pacemaker manufacture		✓	
Laser etching / engraving - Jewellery, generating surface features		✓	✓
Laser micro-machining - Precision manufacturing		✓	
Web scoring, perforating, kiss cutting - Packaging, (e.g. sachets), labelling, cutlines and 'tear here', stickers, graphics		✓	✓
Laser cleaning - Surface treatment, material regeneration		✓	✓

Applications

- Traceability and date codes
- Deep laser engraving
- Laser coding
- Laser marking
- Laser drilling
- Laser cutting
- Laser welding
- Laser etching
- Laser engraving
- Laser micro-machining
- Web scoring
- Laser perforating
- Laser cleaning
- Laser kiss cutting
- Laser pairing



ELECTRONICS

FUME EXTRACTION

APPLICATION CHART



BOFA's range of solder fume extraction systems are designed for single, multiple-operator stations or automated processes that generate fume comprising: resin particulate and gaseous organic compounds.

Our range comprises two types of systems; tip ('T') extraction, for high pressure/ low airflow soldering processes; and volume ('V') for low pressure/ high airflow electronics processes.

	Volume extraction system		
	T 1	V 600	V 500/1000/1500 iQ
✓ = Good match			
✓ = Ideal product			
Tip			
Tip extraction	✓		
Number of tips	1		
Volume			
Arm extraction		✓	✓
Number of arms		3	6 / 8 / 12
Max airflow in CFM		223	324 / 500 / 735
Pressure in mbar		96	100
Hand soldering (inc. lead free) / rework stations / de-soldering	✓	✓	✓
Brazing			✓
Silver soldering			✓
Laser soldering			✓
Spray cleaning		✓	✓
PCB de-lugging		✓	✓
Gluing		✓	✓
Potting		✓	✓
Conformal coating			
Machine / selective / automated soldering			✓
Wave soldering			✓
Reflow ovens			✓
Rec max airflow (m³/hr) for oven			NA / 510 / 780

Applications

Hand soldering
Wave soldering
Selective soldering
Reflow ovens
Rework stations
PCB drilling
De-soldering
Brazing
Soft soldering
Silver soldering
Tinning
Lead free soldering
Laser soldering
Spray cleaning
PCB de-lugging
Gluing
Potting
Tip extraction
Arm extraction
Machine soldering
Automated soldering
Conformal coating

PRINTING

FUME EXTRACTION

APPLICATION CHART



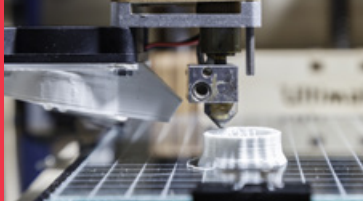
BOFA's range of PrintPRO print fume extraction systems are designed for applications that generate particulate and gaseous organic compounds within the wide and super-wide printing sector. Solutions are available for a variety of ink types including: solvent, UV and dye sublimation.

	Printing fume extraction system		
	PrintPRO Universal	PrintPRO 500/1000/1500 iQ	PrintPRO Oracle DS
✓ = Good match			
✓ = Ideal product			
Airflow			
Max airflow in CFM	106	167	100 / 176
Pressure in mbar	30	24	30 / 96
Applications			
Flags, banners & posters	✓	✓	
Direct to fabric	✓	✓	
Dye sublimation			✓
UV printing	✓		
Solvent ink	✓	✓	
MEK	✓	✓	✓
Flexographic printing	✓	✓	
Letter press plates	✓	✓	
Digital flexo plates	✓	✓	
UV coating	✓	✓	
Inkjet printing	✓	✓	
Screen printer	✓	✓	




Applications

Flags, banners & posters
Direct to fabric
Dye sublimation
UV printing
Solvent ink
Mid solvent ink
Low solvent ink
MEK
Flexographic printing
Letter press plates
Digital flexo plates
UV coating
Inkjet printing
Screen printer

3D PRINTING FUME EXTRACTION APPLICATION CHART



BOFA's 3D PrintPRO models provide effective fume extraction and filtration rates in compact units, with optional speed control, to maintain cleaner print area and returns ultra clean, filtered air to operator breathing zones.

3D printing fume extraction system			
	3D PrintPRO 2	3D PrintPRO 3	3D PrintPRO 4
✓ = Good match			
✓ = Ideal product			
Airflow			
Max airflow in CFM	106	106	223
Pressure in mbar	30	30	96
Applications			
Stereolithography	✓	✓	✓
Digital light processing	✓	✓	✓
Continuous digital light processing	✓	✓	✓
Fused filament fabrication	✓	✓	✓
Material jetting	✓	✓	✓
Nano particle jetting	✓	✓	✓
Drop on demand	✓	✓	✓
Binder jetting	✓	✓	✓
Multi jet fusion	✓	✓	✓
Selective laser sintering	✓	✓	✓
Selective laser melting	✓	✓	✓
Electron beam melting	✓	✓	✓
Laser engineering net shape	✓	✓	✓
Electron beam additive manufacturing	✓	✓	✓
Laminated object manufacturing	✓	✓	✓




Applications

Stereolithography
Digital light processing
Continuous digital light processing
Fused filament fabrication
Material jetting
NanoParticle jetting
Drop on demand
Binder jetting
Multi jet fusion
Selective laser sintering
Direct metal laser sintering
Selective laser melting
Electron beam melting
Laser engineering net shape
Electron beam additive manufacturing
Laminated object manufacturing

MECHANICAL ENGINEERING DUST EXTRACTION APPLICATION CHART



BOFA's DustPRO range of dust, particulate and fume collectors and extraction systems have been designed for the safe and effective removal of particulate, dust and swarf generated during processes.

	Dust extraction system		
	DustPRO 250	DustPRO Universal	DustPRO 500/1000/1500 iQ
✓ = Good match			
✓ = Ideal product			
Airflow			
Max airflow in CFM	223	223	223
Pressure in mbar	96	96	96
Applications			
Drilling	✓	✓	✓
Routing	✓		✓
Engraving	✓	✓	✓
Grinding			✓
Linishing		✓	✓
CNC		✓	✓
Weld cleaning	✓	✓	✓

Applications

Drilling
Routing
Mechanical engraving
Grinding
Rotary engraving
Linishing
CNC
Artifact restoration
Dust collectors
Industrial air filtration
Chip collectors
Weld cleaning

DENTAL DUST EXTRACTION APPLICATION CHART



BOFA's DentalPRO range of fume extraction systems effectively removes potentially harmful zirconia dust and particulate generated during the CAD/CAM manufacture and hand finishing of crown and bridge frameworks for dental implants.

	Dental fume extraction system		Dental cabinets
	DentalPRO Mono	DentalPRO 400	DentalPRO Xtract 300
✓ = Good match ✓ = Ideal product			
Airflow			
Max airflow in CFM	106	106	
Pressure in mbar	30	30	
Applications			
Dental milling		✓	
Zirconium milling		✓	
Aluminium oxide milling		✓	
Dust extraction		✓	✓
Spindle drivers		✓	✓
Zirconia	✓	✓	✓
Local ventilation / fume extraction and filtration	✓	✓	✓
Monomer mixing	✓		✓
Hand working processes	✓	✓	✓
CAD/CAM manufacture		✓	
Crown and bridge frameworks	✓	✓	✓

Applications

Dental milling
Zirconium milling
Aluminium oxide milling
Dust extraction
Spindle drivers
Zirconia
Local ventilation / fume extraction and filtration
Monomer mixing
Hand working processes
CAD/CAM manufacture
Crown and bridge frameworks

PHARMACEUTICAL & MEDICAL FUME EXTRACTION APPLICATION CHART



Our pharmaceutical and medical fume extraction range can be applied to a number of related applications associated with R&D laboratories and manufacturing facilities. They are ideal for applications that require the operator to work in close proximity to the process for precision accuracy but within an enclosed area.

	Pharmaceutical dust and fume extraction system		
	FumeCAB 250	FumeCAB 700	FumeCAB 1000 iQ
✓ = Good match ✓ = Ideal product		Available ESD or Conformal coating 	Available in tall / Deep and with ESD or Conformal coating 
Airflow			
Face velocity in ft/min	98	100	100
Max face velocity in ft/min	118	118	118
Applications			
Fluid bed drying	✓	✓	✓
Spray drying	✓	✓	✓
Chemical control	✓	✓	✓
Tablet pressing & coating	✓	✓	✓
Blending & granulation	✓	✓	✓
Culture preparation	✓	✓	✓
Mixing	✓	✓	✓
Pipetting	✓	✓	✓
Asbestos	✓	✓	✓
Powder weighing & handling	✓	✓	✓
Conformal coating	✓	✓	✓

Applications

General room ventilation
Fluid bed drying
Parts making
Chiropody
Spray drying
Chemical control
Tablet pressing & coating
Blending & granulation
Culture preparation
Mixing
Pipetting
Asbestos
Powder weighing & handling
Conformal coating
Pathology labs
Clean room
Testing

BEAUTY FUME EXTRACTION APPLICATION CHART



Our PureBEAUTY fume extraction range incorporates our years of knowledge in the extraction and filtration industry with sleek design to provide innovative, salon friendly solutions to specifically remove and safely capture a range of harmful and toxic fumes and dust found in the salon environment.

Beauty dust and fume extraction system			
	PureBEAUTY	PureBEAUTY+	PurePOD
✓ = Good match ✓ = Ideal product			
Airflow			
Max airflow in CFM	106	167	223
Pressure in mbar	30	24	96
Applications			
Manicures	✓	✓	
Nail varnishing	✓	✓	
Gel and acrylic nails	✓	✓	
Nail filing	✓	✓	✓
Nail dust	✓	✓	✓
Pedicures	✓	✓	✓
Podiatry			✓

Applications

Manicures
Pedicures
Nail filing
Nail varnishing
Gel and acrylic nails
Nail dust
Podiatry

READY TO SEND US YOUR LEAD

Simply send us a few details and we'll take care of the rest.

Visit: bofainternational.com/donaldson

Please fill out the form with your sales enquiry details.

Full name

Phone

Email

Division

Application

Process

Typical airflow range (52 - 2350cfm)

Material

Your message

Please specify if you are a Donaldson D1M or Channel partner and any specifics of the project.

ANY QUESTIONS?

Darron Norrad

Sales Support Team Manager
Email. darron.norrad@bofaamericas.com
Direct Dial. (618) 205 5007
Ext. 1004

Michael Smith

Technical Support
Email. michael.smith@bofaamericas.com
Direct Dial. (618) 205 5007
Ext. 1007

Deanna Cain

Sales Order Processing
Email. deanna.cain@bofaamericas.com
Direct Dial. (618) 205 5007



A Donaldson Company

A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY

WE LOOK
FORWARD
TO WORKING
WITH YOU

bofainternational.com