



A Donaldson Company

A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY

PRODUCT RANGE

Laser

Electronics

Printing

Additive manufacturing
/ 3D printing

Mechanical
engineering

Dental

Pharmaceutical
& medical



Over 35 years of excellence

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FUME AND DUST EXTRACTION SYSTEMS



A Donaldson Company

A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY

BOFA 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 are a very important part of your environment, health, and safety programme as they help to filter potentially harmful dust and fumes, which may be generated during industrial processes, while minimising disruption to production.

WHY BOFA

- ✓ Over 35 years' **experience**
- ✓ **Unrivalled** knowledge in portable fume and dust extraction and filtration
- ✓ **Innovative** world-class systems
- ✓ High-**quality**, affordable systems
- ✓ **Dedicated** in-house capabilities
- ✓ **Global** network
- ✓ Helping to keep the world working **safely**
- ✓ Continual **investment**
- ✓ **Environmental** policy
- ✓ A **Donaldson** company

OUR PRODUCTS

- ✓ **Fast** and **easy** to install
- ✓ **Low** level noise
- ✓ Clean and energy **efficient**
- ✓ **Compact** designs with small footprint
- ✓ **Long-life** filters with **low** replacement costs
- ✓ **Patented** software and filter technology
- ✓ Highest **quality** standards, including our own SureCHECK standard
- ✓ **Global** systems suitable for a wide range of applications
- ✓ **Award** winning



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.



We apply our extensive knowledge to constantly find new methods to allow customers to help protect both their employees and the environment whilst reducing energy consumption and downtime.

This is essential when striving to satisfy today's ever-increasing demand for low operating costs and the challenges presented through the development of new materials and processes.

Our systems help to filter potentially hazardous particles and fumes before the air is recirculated back into the production environment.

We develop reliable, simple to use and cost-effective products that help meet and exceed global health and safety legislation, encourage green initiatives and environmental good practices throughout our manufacturing process.

Our in-house approach provides our customers with the peace of mind that specialist advice and knowledge will always be at hand to deliver timely and effective products, from the initial research and development to our comprehensive pre and post-sales support.

QUALITY MANUFACTURING

Our philosophy is to maintain control of supply and quality standards throughout the entire manufacturing process of our products. We have an extensive range of portable fume extraction systems to satisfy a broad range of applications - from single-operator manual processes to large-scale automated manufacturing lines. All of which are made to the highest international manufacturing standards.

Est
1987

OVER 35 YEARS
OF EXCELLENCE

Ours is an unrivalled heritage of providing portable fume extraction systems throughout the world.

1987 BOFA UK Ltd founded	2003 ADVANTAGE range launched	2004 Name changes to BOFA International Ltd.	2007 PrintPRO range launched	2008 BOFA Americas Inc. formed	2011 DentalPRO & FumeCAB ranges launched	2012 Win Queen's Award: International Trade iQ launched
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KNOWLEDGE AND INNOVATION

Our dedicated team has a wealth of knowledge within our field which is established and trusted by all sizes of business, from global market leaders to niche producers in a wide cross section of industries.

Innovation is at the heart of everything we do and we have the ability to develop systems to suit our customers' requirements. But we also have the flexibility to develop bespoke systems to suit our customers' requirements. Our programme of ongoing investment in research and development allows us to continuously improve products and pioneer new cutting-edge technologies, bringing the best and latest developments to our portfolio.

SURECHECK QUALITY STANDARD

OUR QUALITY PROMISE TO YOU



We take a progressive approach to quality, health and safety, and environmental management.

Our commitment in each of these areas is embedded through our own SureCHECK quality standard, setting the guiding principles for how we operate.

Our SureCHECK quality standard is applied to every product we make.

- We consider applicable laws and regulations.
- We pursue a pathway of continuous improvement.
- We make the best use of management resources in all quality matters.
- We communicate our quality objectives and our performance throughout the organization and to interested parties.
- We ensure that activities are safe for employees, associates, and others who come into contact with our work.
- We work closely with our customers and suppliers to establish the highest quality standards.
- We train our staff in the needs and responsibilities of quality management.

<p>2014 3D PrintPRO range launched</p>	<p>2017 Win Queen's Award: Innovation</p>	<p>30 Years 2018 New global head office & Centre of Excellence opened Acquired by Donaldson Inc.</p>	<p>2020 BOFA Academy launched</p>	<p>2021 AM 400 launched</p>	<p>2023 BOFA International merges with Donaldson Filtration GB Ltd. BOFA Americas, Inc. merges with Donaldson Company, Inc.</p>
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INTELLIGENT OPERATING SYSTEM (iQ)



Pioneering fume extraction

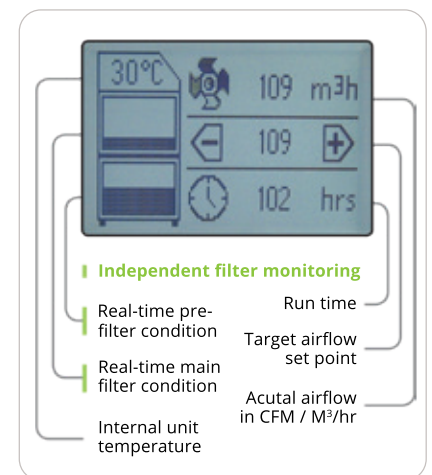
Our award-winning Intelligent Operating System (iQ) brings multiple performance enhancements for high efficiency of extraction, individual filter status monitoring and integral design features that combine to deliver a lower cost of ownership.

Most importantly, iQ addresses the issue dreaded by most production teams — downtime — by minimising the potential for interrupting production for unplanned filter changes.

Sophisticated and advanced technology is inbuilt, providing a user-friendly and intuitive experience with the data being easy to access and analyse locally or remotely (from data downloaded via USB). It means that filter changes can be planned at a time to minimise or eliminate interruptions to production so businesses can continue as usual, as well as helping to avoid any costly or time-consuming service call-outs.

iQ incorporates a method for monitoring the status of both the pre-filter and combined (main) filter. Pre-blockage warnings provide operators with ample time to prepare for a change by identifying which filter needs replacing and when so the uncertainty and guesswork is removed.

A user-friendly design is consistent across all iQ products for a more uniform look in environments where multiple units are in use. The operating 'easy read' control panel is on the top of each unit on a sloping fascia front so the data is easy to view.



DEEPPLEAT DUO

PRE-FILTER

Save filter life and money

The DeepPleat DUO is BOFA's patented long-lasting pre-filter, which helps extend the life of your main filter and reduce the cost of ownership of your unit.



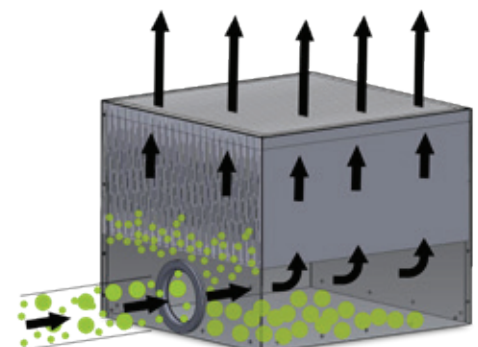
BOFA's unique patent-protected DeepPleat DUO pre-filter technology is designed to maximise filter life. It incorporates a large capacity drop-out chamber within the filter, along with an impressive surface area above the chamber to deal with a high volume and variety of particulate, giving optimised 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 safer installation and replacement, which is particularly important as often potentially harmful contaminants are filtered.

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



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 iQ AD 1000 iQ AD 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)



WORKING WITH YOU TO DELIVER A COMPLETE SYSTEM

We work with you to help ensure you get the appropriate system for your process. From initial requirements scoping through to after-sales care, we provide advice you can trust.

OEMs

We have a wealth of knowledge working with OEMs, either supplying our existing systems or creating systems to complement your products. Many of our OEM customers badge and sell our products as their own - confident that they will deliver performance, quality, and reliability.

Working with BOFA you'll get:

- High-quality design and manufacture from a world leader in fume and dust extraction
- Technical support, pre and post-sales
- Extensive dealer training from specialist engineers
- Immediate and aftermarket revenue
- Access to our global network of knowledgeable dust and fume extraction team

DISTRIBUTORS

Our products are sold into more than 120 countries worldwide. Our network of trusted agents and distributors have the capability to provide local sales and service advice and will help get timely and appropriate support.

Working with BOFA you'll:

- Enhance your portfolio with our existing products or with a customised system
- Add value to your offering
- Sell products with a proven pedigree
- Have a convenient solution
- Earn from protected aftermarket revenues
- Benefit from technical support and extensive dealer training from specialist engineers

Your customers will get:

- Affordable options with a high level of benefits
- Customised and branded products as required
- Enhanced health and safety compliance with the highest quality systems

END USERS

Our network of fume and dust extraction engineers have a wealth of technical and industry knowledge. This combined with their consultative approach to understand your processes and agree specifications means you can be confident you're selecting the appropriate product to suit your specific requirements.

Working with BOFA you'll get:

- Knowledgeable consultation to help you choose an appropriate system
- Products for single to multiple users
- Unrivalled standard of service and support
- UKCA/CE, UL and cUL compliant products
- Access to LEV service plan, implemented by our P601/P602/P604 certified engineers
- If you are based outside of the UK, our global network of distributors can help

TRAINING DESIGNED FOR YOU

Free training modules delivered by our knowledgeable team, direct to you, to help you stay up to date. We've designed our modules so they can be delivered in a way convenient to you — either online or face-to-face — in a simple and effective format to help you get the most out of the time you invest in training. It's all part of the exceptional support and experience we offer.



This training is for anyone who comes into contact with fume extraction or is responsible for health and safety in the workplace – whether it's researching and determining the requirements in your workplace, designing new products that need appropriate extraction, or selling products into the market:

- Sales and Marketing
- Technical
- Product management
- Service/installation

You can book on to as many modules as you want to so you can keep learning from wherever you are.

Modules are available every week and cover a wide range of topics including:

- Health, safety and compliance
- Product ranges
- Technical advice
- Commercial understanding

Find out more:
bofainternational.com/bofa-academy

MARKET-LEADING TECHNOLOGY

We are recognised as a market leader, delivering great-value, high-quality products.

We apply our in-depth understanding, developed over many years of designing and manufacturing fume extraction and filtration systems for a wide range of industries. This gives us the experience and knowledge to produce some of the leading systems available on the market.

Throughout this brochure you will see icons next to products to show their key features:



Intelligent Operating System (iQ)

Our award-winning Intelligent Operating System (iQ) 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



DeepPleat pre-filter

The DeepPleat pre-filter consists of a pleated filter of 100mm depth or greater, allowing for increased surface area within a smaller area. This means BOFA filters last for a long time and do not take up a large footprint.

Find out more: bofainternational.com/deeppleat



DeepPleat DUO pre-filter

Our patent-protected DeepPleat DUO pre-filter technology is designed to maximise filter life. It incorporates a large capacity drop-out chamber within the filter which is designed to act as a barrier helping to protect the premature blocking of the HEPA filter.

The DeepPleat DUO is designed for quick and easy installation and replacement, which is particularly important as often potentially harmful contaminants are captured within the filter.

Find out more: bofainternational.com/deeppleatduo



HEPA filter

Our HEPA filters are rated to filter 99.995% of particles at 0.3 microns.

The mini pleats used in our HEPA filters can be produced with depths of up to 200mm within each pleat, depending on the application.

Find out more: bofainternational.com/hepa



AFC: Advanced carbon filter

BOFA's advanced carbon filters are designed to help filter fumes, with specific carbon types matched carefully to industry applications. BOFA filters consider the balance between airflow rates and the type, depth, and surface area of the carbon used to help ensure suitability for the contaminants associated with the application and to help ensure appropriate dwell times are achieved. Our filters have been developed to filter contaminants and odours, helping to reduce the risk of bypass and/or tunnelling.

Find out more: bofainternational.com/acf



AFC: Automatic flow control

AFC allows the operator to preset correct airflow rates for the specific application, subsequently maintaining this airflow. This generates lower noise levels and helps to ensure further protection to the HEPA filter.

Find out more: bofainternational.com/afc



RFA: Reverse flow air technology

RFA enhances filter performance and helps to ensure a long filter life. It causes a fall in velocity and air direction change. Larger particulate falls out of the airstream into the drop-out chamber. With less particulate entering the filter media the filter life is significantly increased. Contaminated air entering the drop-out chamber is pulled vertically through the filters.

Find out more: bofainternational.com/rfa



MVS: Multi-voltage sensing unit

Our MVS units automatically sense local voltage and automatically operate between 100-230V, for global use.



PATENTED technology

We invest in innovation and our products have a heritage of being tried, tested and trusted. We take great care in protecting our intellectual property and our integrity. Our product range includes aspects which are protected under patent copyright, design copyright, registered design, and trademark laws.



SureCHECK quality standard

In recognition of the importance of quality, health and safety and environmental management, we have created our own stringent SureCHECK quality standard, applied to every product we make.

Find out more: bofainternational.com/surecheck



ProTECT

Our ProTECT service plan gives you peace of mind that your LEV systems are being expertly maintained throughout their working life.

Find out more: bofainternational.com/protect

Technical information in this brochure is correct at time of publishing. Please contact us for details.

LASER FUME EXTRACTION

ADVANTAGE range

Our systems help to protect valuable equipment, maintain a higher quality mark and reduce the number of rejects and contaminants.

Applications

- Deep laser engraving
- Laser cleaning
- Laser coding
- Laser cutting
- Laser drilling

- Laser engraving
- Laser etching
- Laser kiss cutting
- Laser marking
- Laser micro-machining

- Laser pairing
- Laser perforating
- Laser welding
- Traceability and date codes
- Web scoring



BOFA's ADVANTAGE (AD) 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 manufacturers' laser engravers can sit on top of the extractor, effectively doubling up as a work station.

FEATURED PRODUCT – BEST IN CLASS



AD Oracle iQ FUME EXTRACTOR

The premier choice and 'best in class' system with unique features in a compact unit.

Standard features

- Independent filter monitoring
- Filter status warnings
- Screen display
- Real-time information
- DeepPleat DUO pre-filter
- HEPA filter
- Automatic flow control
- Reverse flow air technology
- Advanced carbon filter technology
- Multi-voltage unit

The premier choice and best in class system with unique features in a global unit.

LASER FUME EXTRACTION

ADVANTAGE range



AD Access FUME EXTRACTOR

A compact system for light duty laser marking, coding and engraving applications. The AD Access combines economic ownership with performance to match the small laser user, helping to give safer operator working conditions and product quality.

A three-stage filter condition indicator is included as a standard feature.

Approvals UKCA and CE | cUL | UL*

Dimensions 505 x 335 x 315mm
19.88 x 13.19 x 12.40"

Airflow / Pressure 180m³/hr / 30mbar
106cfm / 30mbar

Technology



Datasheet download
bofainternational.com/ad-access



AD 250 FUME EXTRACTOR

The AD 250 is a cost-effective extraction system for light-duty applications. This compact and extremely quiet system is ideal for use in schools, sign making workshops, small-scale industrial environments and light laser coding applications.

Approvals UKCA and CE | cUL | UL*

Dimensions 590 x 405 x 465mm
23.23 x 15.94 x 18.31"

Airflow / Pressure 180m³/hr / 30mbar
106cfm / 30mbar

Technology



Datasheet download
bofainternational.com/ad-250



AD 350 FUME EXTRACTOR

The quiet and compact AD 350 extraction system helps to filter potentially harmful fumes and particulate created during light duty laser marking, coding and engraving applications making it ideal for use in schools, sign making workshops and small-scale industrial environments.

Approvals UKCA and CE | cUL | UL*

Compatible with the FireBOX GA and FireBOX MA and Spark Arrestor 2

Dimensions 590 x 405 x 465mm
23.23 x 15.94 x 18.31"

Airflow / Pressure 380m³/hr / 96mbar
223cfm / 96mbar

Technology



Datasheet download
bofainternational.com/ad-350

FILTER TECHNOLOGY

The majority of systems in the AD range incorporate three-stage filtration: pre-filter, HEPA and chemical section. Many units are also enhanced with our patented DeepPleat DUO pre-filter, with its large capacity drop-out chamber helps to ensure maximum filter capacity.

bofainternational.com/filters

INLINE FILTERS

We have a range of inline filters ideal for heavy duty applications.

ACCESSORIES

We have created a wide range of hose kits to complement the AD range. You'll find the shape, size and combinations most suited to your laser application.

For more information, contact your sales representative or visit bofainternational.com/accessories

OUR LEADING TECHNOLOGY



iQ
Intelligent Operating System (iQ)



DeepPleat
DeepPleat pre-filter



DeepPleat DUO
DeepPleat DUO pre-filter



HEPA
HEPA filter



ACF
Advanced carbon filter technology



AD Nano FUME EXTRACTOR

The AD Nano extraction system is ideal for small-scale industrial environments and light to medium laser coding applications. The reverse flow air filter technology enhances filter performance and helps to give longer filter life with its DeepPleat DUO filter technology.

Approvals UKCA and CE

Dimensions 790 x 360 x 420mm
31.1 x 14.17 x 16.54"

Airflow / Pressure 170m³/hr / 30mbar
100cfm / 30mbar

Technology



Datasheet download
bofainternational.com/ad-nano



AD Nano+ FUME EXTRACTOR

This compact 'go anywhere' fume extraction system is feature-packed for big performance in small-scale industrial sites and light laser coding applications. Incorporating many of the features found on our larger systems, the AD Nano+ is a cost-effective system for light to medium-duty applications, making it the ideal choice for installations where floor space is limited.

The use of an auto-voltage sensing blower means that the unit can be used anywhere in the world.

Approvals UKCA and CE

Dimensions 790 x 360 x 420mm
31.1 x 14.17 x 16.54"

Airflow / Pressure 300m³/hr / 96mbar
176cfm / 96mbar

Technology



Datasheet download
bofainternational.com/ad-nano-plus



AD Universal FUME EXTRACTOR

This compact extraction system is ideal for light to medium small-scale industrial environments.

Approvals UKCA and CE | UL*

Dimensions 625 x 385 x 525mm
24.61 x 15.16 x 20.67"

Airflow / Pressure 380m³/hr / 96mbar
223cfm / 96mbar

Technology



Datasheet download
bofainternational.com/ad-universal



AD Oracle SA iQ FUME EXTRACTOR

This compact laser fume extractor incorporates a powerful range of unique features into one unit. It uses a smaller pre-filter to the AD Oracle iQ, but includes all the other features, making it ideal for lighter-use applications.

Approvals UKCA and CE | cUL | UL*

Compatible with the FireBOX GA and FireBOX MA and Spark Arrestor 2

Dimensions 740 x 450 x 515mm
29.33 x 17.72 x 20.28"

Airflow / Pressure 380m³/hr / 96mbar
223cfm / 96mbar

Technology



Datasheet download
bofainternational.com/ad-oracle-sa-iq

* Tested to UL and cUL standards, but testing may be provided by alternate nationally recognised test laboratories. Certain product configurations may affect the UL certification. Please speak to your sales representative.



LASER FUME EXTRACTION

ADVANTAGE range



AD Oracle iQ FUME EXTRACTOR

The AD Oracle iQ extraction system combines a powerful range of unique features into one compact unit. This versatile system can be used across a range of laser applications and the revolutionary auto-voltage sensing blower automatically self-adjusts to run on any voltage worldwide.

Approvals UKCA and CE | cUL | UL*

Compatible with the FireBOX GA and FireBOX MA and Spark Arrestor 2

Dimensions 975 x 455 x 505mm
38.39 x 17.91 x 19.88"

Airflow / Pressure 380m³/hr / 96mbar
224cfm / 96mbar

Technology



Datasheet download
bofainternational.com/ad-oracle-iq



AD 500 iQ / 1000 iQ / 1500 iQ FUME EXTRACTORS

These mid to high-end laser fume extraction systems combine extremely large filter capacity with high airflow and pressure rates, making them the ideal choice for heavy-duty applications that generate large amounts of particulate and gaseous organic compounds.

Performance is further enhanced with the inclusion of several features including BOFA's Intelligent Operating System (iQ) and patented DeepPleat DUO pre-filter.

Approvals UKCA and CE | cUL | UL*

AD 500 iQ and AD 1000 iQ are compatible with the FireBOX GA, FireBOX MA and Spark Arrestor 2

Dimensions 1205 x 615 x 790mm
47.44 x 24.21 x 31.10"

AD 500 iQ
Airflow / Pressure 550m³/hr / 100mbar
324cfm / 100mbar

AD 1000 iQ
Airflow / Pressure 850m³/hr / 100mbar
500cfm / 100mbar

AD 1500 iQ
Airflow / Pressure 1250m³/hr / 100mbar
735cfm / 100mbar

Technology



Datasheet download
bofainternational.com/ad-500-iq
bofainternational.com/ad-1000-iq
bofainternational.com/ad-1500-iq



AD 2000 iQ FUME EXTRACTOR

The AD 2000 iQ's technology delivers superior and measurable performance, helping to ensure airflow and filtration is maintained even when particulates start to build up. The dual filter system creates maximum capacity while the three-stage filtration process helps to ensure peak performance. This makes it suitable for the most demanding and complex installations, so you can rely on extended filter life, together with effective filtering of fumes and particulates.

It's user friendly too, with a design that makes easy work of filter changes. The easy to read and access control display panel is conveniently located on top of the unit.

The AD 2000 iQ's design also permits greater flexibility of different exhaust installations and different configurations allowing recirculation via the rear panel or externally vented hose connection systems.

Approvals UKCA and CE | cUL | UL*

Dimensions 1280 x 1360 x 1005mm
50.39 x 53.54 x 39.57"

Airflow / Pressure 2500m³/hr / 96mbar
1470cfm / 96mbar

Technology



Datasheet download
bofainternational.com/ad-2000-iq

* Tested to UL and cUL standards, but testing may be provided by alternate nationally recognised test laboratories. Certain product configurations may affect the UL certification. Please speak to your sales representative.

OUR LEADING TECHNOLOGY



iQ
Intelligent Operating System (iQ)



WWW
DeepPleat DeepPleat pre-filter



WWW
DeepPleat DUO DeepPleat DUO pre-filter



HEPA
HEPA filter



ACF
Advanced carbon filter technology



AD PVC iQ FUME EXTRACTOR

The AD PVC iQ extraction system has been designed to effectively deal with the corrosive nature of the fumes generated when lasering PVC materials.

The latest design specification includes many of the features associated with our AD Oracle iQ model as standard but in addition all internally exposed surfaces have been coated to resist the corrosive nature of the fume and each unit is fitted with HCL and VOC sensors which continually monitor the exhaust air of the unit helping to give added safety assurance.

Approvals UKCA and CE | cUL | UL*

Dimensions 1090 x 570 x 600mm
42.91 x 22.44 x 23.62"

Airflow / Pressure 350m³/hr / 96mbar
206cfm / 96mbar

Technology



Datasheet download
bofainternational.com/ad-pvc-iq



AD Base 1 Oracle FUME EXTRACTOR

Suitable for a range of lasers, the AD Base 1 Oracle extraction system combines a DeepPleat DUO pre-filter and auto-voltage blower in a compact base system. BOFA's easi-seal filter location helps to make filter change quick and easy.

As with all our Base systems, this unit has the option of an onboard compressor for a compact installation.

Approvals UKCA and CE

Dimensions 790 x 735 x 740mm
31.10 x 28.94 x 29.13"

Airflow / Pressure 380m³/hr / 96mbar
223cfm / 96mbar

Technology



Datasheet download
bofainternational.com/ad-base-1-oracle



AD Base 2 Oracle FUME EXTRACTOR

Adapting the AD Base 1 Oracle extraction system, this unit sits lower to allow larger bed lasers to be placed securely on top whilst giving a direct extraction system. This system also benefits from a DeepPleat DUO pre-filter and multi-voltage sensing unit.

As with all our Base systems, this unit has the option of an onboard compressor for a compact installation.

Approvals UKCA and CE

Dimensions 550 x 1060 x 810mm
21.65 x 41.74 x 31.89"

Airflow / Pressure 380m³/hr / 96mbar
223cfm / 96mbar

Technology



Datasheet download
bofainternational.com/ad-base-2-oracle



AD Base 3 FUME EXTRACTOR

The AD Base 3 extraction system is designed for the smaller Universal Versa Laser. The optional onboard compressor makes this a compact installation.

Approvals UKCA and CE

Dimensions 775 x 510 x 680mm
30.51 x 20.08 x 26.77"

Airflow / Pressure 180m³/hr / 30mbar
105cfm / 30mbar

Technology



Datasheet download
bofainternational.com/ad-base-3



LASER FUME EXTRACTION

ADVANTAGE range



AD Base C180 FUME EXTRACTOR

Bespoke unit tailored to match the GCC C180 laser engraver. The dimensions of the unit allows the C180 extraction system to fit perfectly onto the extractor, effectively doubling it up as a work station. The unit is also offered with an onboard air compressor to provide the laser with its air assist requirements and comes complete with extraction hose kit and compressor link up on compressor models.

Approvals UKCA and CE

Dimensions 795 x 740 x 720mm
31.30 x 29.13 x 28.35"

Airflow / Pressure 180m³/hr / 30mbar
105cfm / 30mbar

Technology



Datasheet download

bofainternational.com/ad-base-c180



Mobile FumeKART FUME EXTRACTOR

The FumeKART is the ideal portable air extraction and filtration unit and can be applied to a variety of applications.

Designed to filter dust particles, weld fumes, vapours and other pollutants from the work environment, the FumeKART is easy to operate and maintain and provides the additional benefit of being fully portable.

Users will have flexibility and the assurance of high performance filtration. A filter condition indicator is included as a standard feature, together with three-stage filtration: pre-filter, HEPA and gas filter.

Approvals UKCA and CE

Dimensions 875 x 475 x 430mm
37.4 x 18.7 x 17"

Airflow / Pressure 380m³/hr / 100mbar
223cfm / 100mbar

Technology



Datasheet download

bofainternational.com/mobile-fumekart

FILTER TECHNOLOGY

The majority of systems in the AD range incorporate three-stage filtration: pre-filter, HEPA and chemical section. Many units are also enhanced with our patented DeepPleat DUO pre-filter, with its large capacity drop-out chamber helps to ensure maximum filter capacity.

bofainternational.com/filters

INLINE FILTERS

We have a range of inline filters ideal for heavy duty applications.

ACCESSORIES

We have created a wide range of hose kits to complement the AD range. You'll find the shape, size and combinations most suited to your laser application.

For more information, contact your sales representative or visit bofainternational.com/accessories

OUR LEADING TECHNOLOGY



iQ
Intelligent Operating System (iQ)



DeepPleat
DeepPleat pre-filter



DeepPleat DUO
DeepPleat DUO pre-filter



HEPA
HEPA filter



ACF
Advanced carbon filter technology

PRODUCT FEATURES

Comparison table

		AD Access	AD 250	AD 350	AD Nano	AD Nano+	AD Universal	AD Oracle SA IQ	AD Oracle IQ	AD 500 IQ	AD 1000 IQ	AD 1500 IQ	AD 2000 IQ	AD PVC IQ	BASE UNITS				
															AD Base 1 Oracle	AD Base 2 Oracle	AD Base 3	AD Base C180	Mobile FumeKART
STANDARD FEATURES	Intelligent Operating System (iQ)							✓	✓	✓	✓	✓	✓	✓					
	Filter condition indicator	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	High airflow & pressure rates			✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓
	Long-life, low-cost replacement filters	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Digital speed control			✓															✓
	Easi-seal filter location				✓	✓		✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Auto-sensing voltage (100-230V) for global use			✓		✓	✓	✓	✓					✓	✓	✓			✓
	Automatic flow control system				✓		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			
	Lockable castors				✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	Acid resistant coating													✓					
	HEPA filter technology	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	UKCA/CE approvals	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	UL* approval	✓	✓	✓				✓	✓	✓	✓	✓		✓					
	cUL* approval	✓	✓	✓				✓	✓	✓	✓	✓		✓					
	Brushless motor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SureCHECK quality standard	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	ProTECT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	OPTIONAL FEATURES	VOC gas sensor (Volatile Organic Compound)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓		✓
Remote stop/start interface		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓			✓	
Filter change/system fail signal		✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓				
Onboard compressor								✓	✓	✓		✓		✓	✓	✓	✓		
Variety of arms/hoods																		✓	

Product availability may vary by region. Please contact BOFA with any questions.

* Tested to UL and cUL standards, but testing may be provided by alternate nationally recognised test laboratories. Certain product configurations may affect the UL certification. Please speak to your sales representative.



ELECTRONICS

FUME EXTRACTION

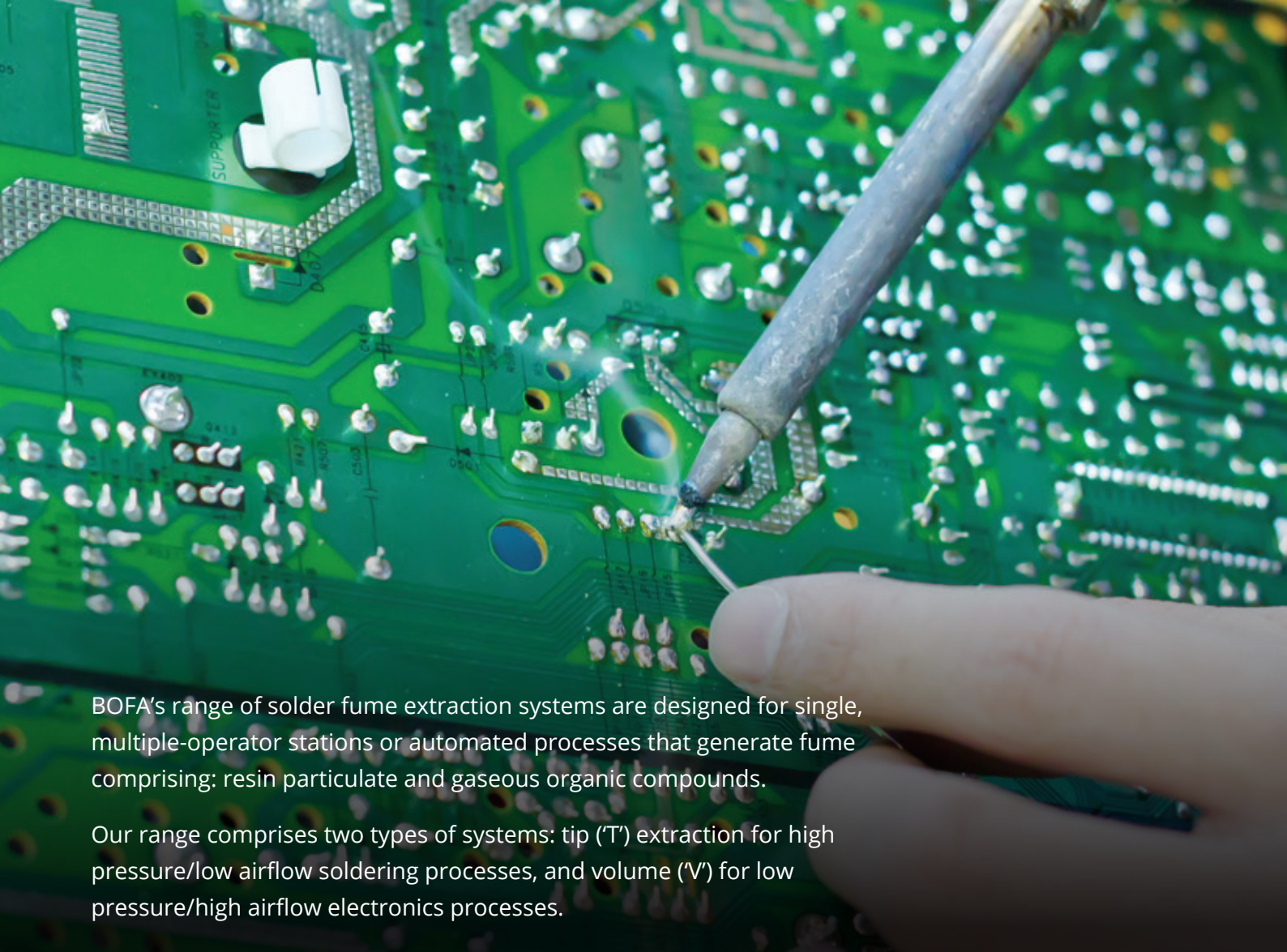
Tip and volume range

Applications

Arm extraction
Automated soldering
Brazing
De-soldering
Gluing
Hand-soldering
Lead-free soldering
Laser soldering

Machine soldering
PCB de-lugging
PCB drilling
Potting
Reflow ovens
Rework stations
Selective soldering
Silver soldering

Soft soldering
Spray cleaning
Tinning
Tip extraction
Vapour phase soldering
Wave soldering



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.

FEATURED PRODUCT – BEST IN CLASS



V 250 FUME EXTRACTOR

Dual arm extraction system purpose built to protect two operators working on solder applications. The V 250 is enhanced by multiple configuration options and hose kits.

Standard features

- Three-stage filtration
- Low noise levels
- Advanced carbon filter technology
- HEPA and gas combined filter
- Filter blocked indicator

Low noise level and fully comprehensive filtration - ideal for factories with changing production demands.

ELECTRONICS FUME EXTRACTION

Tip and volume range

TIP



T 1 FUME EXTRACTOR

Single operator high-vacuum extraction system for hand solder applications. Designed specifically for portability and extremely low noise levels.

The T 1 extracts and filters fumes and debris through small bore hoses and attachments. Ideally suited for soldering iron tip extraction, vac pens and any application requiring close proximity, such as microextraction.

Approvals UKCA and CE

Ideal partner to the solder iron connection kit

Dimensions 270 x 200 x 185mm
10.63 x 7.87 x 7.28"

Airflow 22 l/min per tip

Technology



Datasheet download
bofainternational.com/t1



T 15 FUME EXTRACTOR

Mid-range high-vacuum fume extraction system with a built in silencer for low noise levels. With its three-stage filtration and filter warning indicator, this is a true industry favourite, suitable for 5-15 operators.

The T 15 extracts and filters fumes and debris through small bore hoses and attachments. Ideally suited for soldering iron tip extraction, vac pens and any application requiring close proximity, such as microextraction.

Approvals UKCA and CE

Ideal partner to the solder iron connection kit

Dimensions 575 x 370 x 340mm
22.64 x 14.57 x 13.39"

Airflow 22 l/min per tip

Technology



Datasheet download
bofainternational.com/t15

FILTER TECHNOLOGY

Our electronics range is designed around a complete three-stage filtration setup. These three stages give high levels of filtration at all levels and help to provide protection from different potentially hazardous particulate and fume elements. The cheaper pre-filter is designed as a barrier for the majority of contaminate, helping to protect the more expensive HEPA and carbon filters, allowing for longer filter life and lower cost of ownership across the lifetime of the unit.

For more information visit
bofainternational.com/filters

ACCESSORIES

We have created an extensive range of accessories and hose kits to complement the electronics range. From LED light arms to downdraught trays and cowls, you'll find the perfect accessory to match your extractor and an array of hose kits in many shapes, sizes and combinations most suited to your application. Contact your sales representative for more information or visit

bofainternational.com/accessories

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For more information visit bofainternational.com/bofa-academy



OUR LEADING
TECHNOLOGY



iQ
Intelligent Operating
System (iQ)



DeepPleat
DeepPleat
pre-filter



DeepPleat DUO
DeepPleat DUO
pre-filter



HEPA
HEPA filter



ACF
Advanced carbon
filter technology

VOLUME



V 200 FUME EXTRACTOR

The V 200 is a single arm, portable solder fume extraction system that comes complete with an extraction arm and installation kit containing everything required to set up an operator with ease.

Minimal installation allows this unit to be moved with the work bench when factory layouts need changing due to production requirements.

The low noise level and fully comprehensive three-stage filtration is ideal for factories with changing production demands.

Approvals UKCA and CE

Dimensions 420 x 290 x 270mm
16.54 x 11.42 x 10.63"

Airflow / Pressure 90m³/hr / 20mbar
53cfm / 20mbar

Technology



Datasheet download
bofainternational.com/v200



V 250 FUME EXTRACTOR

The V 250 is a dual arm, portable solder fume extraction system that comes complete with two extraction arms and installation kits containing everything required to set up two operators with ease. The filter status indicator helps to ensure users change the filter only when required.

Minimal installation allows this unit to be moved with the work bench when factory layouts need changing due to production requirements.

The low noise level and fully comprehensive three-stage filtration is ideal for factories with changing production demands.

Approvals UKCA and CE

Ideal partner to the FumeCAB 250

Dimensions 420 x 290 x 270mm
16.54 x 11.42 x 10.63"

Airflow / Pressure 180m³/hr / 30mbar
106cfm / 30mbar

Technology



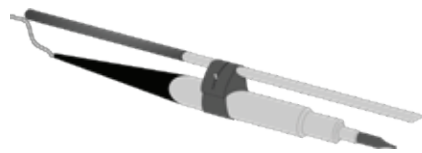
Datasheet download
bofainternational.com/v250



Accessories

BOFA offers a choice of interchangeable specialist accessories designed to work with the electronics range for use in all types of applications.

For more information, contact your sales representative or visit bofainternational.com/accessories



ELECTRONICS FUME EXTRACTION

Tip and volume range



V 300E FUME EXTRACTOR

Entry level arm fume extraction for solder applications. This compact, low-cost system is capable of generating high airflow rates from a range of bench top attachments, including larger hoses.

This fume extraction unit can be positioned comfortably under a bench with a simple installation kit to connect to the most suitable extraction accessory.

Approvals UKCA and CE

Dimensions 450 x 330 x 310mm
17.7 x 13.8 x 12.2"

Airflow / Pressure 320m³/hr / 5mbar
188cfm / 5mbar

Technology



Datasheet download
bofainternational.com/v300e



V 350E FUME EXTRACTOR

The V 350E is a compact, low-cost extraction system, which is capable of generating high airflow rates from a range of bench top attachments, including larger hoses.

This fume extraction unit can be positioned comfortably under a bench with a simple installation kit to connect to the most suitable extraction accessory.

Approvals UKCA and CE

Dimensions 517 x 370 x 370mm
20.4 x 14.6 x 14.6"

Airflow / Pressure 540m³/hr / 4mbar
317cfm / 4mbar

Technology



Datasheet download
bofainternational.com/v350e



V 600 FUME EXTRACTOR

A truly state of the art fume purification system, the V 600 is within our high-end range of extraction systems, combining large filter capacity with high airflows and pressure. It benefits from reverse flow design and DeepPleat pre-filter technology for extremely long filter life.

This unit incorporates three-stage filtration, a filter condition display, and built in silencing and can accommodate up to seven operators.

Approvals UKCA and CE

Pair this with FumeCAB 600

Dimensions 590 x 405 x 465mm
23.23 x 15.94 x 18.31"

Airflow / Pressure 350m³/hr / 96mbar
206cfm / 96mbar

Technology



Datasheet download
bofainternational.com/v600

FILTER TECHNOLOGY

Our electronics range is designed around a complete three-stage filtration setup. These three stages give high levels of filtration and help to provide protection from different potentially hazardous particulate and fume elements. The cheaper pre-filter is designed as a barrier for the majority of contaminate, helping to protect the more expensive HEPA and carbon filters, allowing for longer filter life and lower cost of ownership across the lifetime of the unit.

For more information visit
bofainternational.com/filters

ACCESSORIES

We have created an extensive range of accessories and hose kits to complement the electronics range. From LED light arms to downdraught trays and cowls, you'll find the perfect accessory to match your extractor and an array of hose kits in many shapes, sizes and combinations most suited to your application. Contact your sales representative for more information or visit bofainternational.com/accessories

OUR LEADING TECHNOLOGY



iQ
Intelligent Operating System (iQ)



DeepPleat
DeepPleat pre-filter



DeepPleat DUO
DeepPleat DUO pre-filter



HEPA
HEPA filter



ACF
Advanced carbon filter technology



V Oracle iQ FUME EXTRACTOR

This advanced high-volume tip extractor combines a powerful range of features in one unit.

This versatile unit can be used across a range of electronics applications and the revolutionary auto-voltage sensing blower automatically self-adjusts to run on any voltage worldwide.

Approvals UKCA and CE

Dimensions 975 x 455 x 505mm
38.39 x 17.91 x 19.88"

Airflow / Pressure 380m³/hr / 96mbar
223cfm / 96mbar

Technology



Datasheet download

bofainternational.com/v-oracle-iq



V 1000 iQ FUME EXTRACTOR

This high-volume fume extraction system combines extremely large filter capacity with high airflow and pressure rates. This unit is the ideal choice for heavy-duty hand and machine-automated solder applications that generate large amounts of particulate and gaseous organic compounds. The V 1000 iQ can cater for up to 15 operators as a centralised system or can be used to extract fumes from automated soldering machines.

Approvals UKCA and CE | cUL | UL*

Dimensions 1205 x 615 x 790mm
47.44 x 24.21 x 31.10"

Airflow / Pressure 850m³/hr / 100mbar
500cfm / 100mbar r

Technology



Datasheet download

bofainternational.com/v1000-iq



FUME CABINETS

We have a comprehensive range of fume extraction cabinets suitable for the electronics industry, from small applications right up to large-scale processes.

* Tested to UL and cUL standards, but testing may be provided by alternate nationally recognised test laboratories. Certain product configurations may affect the UL certification. Please speak to your sales representative.



ELECTRONICS FUME EXTRACTION

Tip and volume range



Mobile FumeKART FUME EXTRACTOR

The FumeKART is the ideal portable air extraction and filtration unit and can be applied to a variety of applications.

Designed to filter dust particles, weld fumes, vapours and other pollutants from the work environment, the FumeKART is easy to operate and maintain and provides the additional benefit of being fully portable.

Users will have flexibility and the assurance of high-performance filtration. A filter condition indicator is included as a standard feature, together with three-stage filtration: pre-filter, HEPA, and gas filter.

Approvals UKCA and CE

Dimensions 875 x 475 x 430mm
37.4 x 18.7 x 17"
Airflow / Pressure 380m³/hr / 100mbar
223cfm / 100mbar

Technology



Datasheet download

bofainternational.com/mobile-fumekart

FILTER TECHNOLOGY

Our electronics range is designed around a complete three-stage filtration setup. These three stages give high levels of filtration and help to provide protection from different potentially hazardous particulate and fume elements. The cheaper pre-filter is designed as a barrier for the majority of contaminate, helping to protect the more expensive HEPA and carbon filters, allowing for longer filter life and lower cost of ownership across the lifetime of the unit.

For more information visit bofainternational.com/filters

ACCESSORIES

We have created an extensive range of accessories and hose kits to complement the electronics range. From LED light arms to downdraught trays and cowls, you'll find the perfect accessory to match your extractor and an array of hose kits in many shapes, sizes and combinations most suited to your application. Contact your sales representative for more information or visit bofainternational.com/accessories



FUME CABINETS

We have a comprehensive range of fume extraction cabinets suitable for the electronics industry, from small applications right up to large-scale processes.

OUR LEADING TECHNOLOGY



iQ
Intelligent Operating System (iQ)



DeepPleat
DeepPleat pre-filter



DeepPleat DUO
DeepPleat DUO pre-filter



HEPA
HEPA filter



ACF
Advanced carbon filter technology

PRODUCT FEATURES

Comparison table

	TIP		VOLUME							
	T 1	T 15	V 200	V 250	V 300E	V 350E	V 600	V Oracle IQ	V 1000 IQ	Mobile FumeKART
STANDARD FEATURES										
Three-stage filtration	✓	✓	✓	✓			✓	✓	✓	✓
Compact design	✓	✓	✓	✓	✓	✓	✓			✓
High-vacuum blowers		✓					✓	✓	✓	
Digital speed control							✓			✓
Auto-sensing voltage (100-230V) for global use							✓	✓		
Intelligent Operatin System (iQ)								✓	✓	
Automatic flow control system								✓	✓	
'Easi-seal' filter location								✓	✓	
Brushless motor	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Filter blocked indicator		✓	✓	✓			✓	✓	✓	✓
Reverse flow air technology							✓	✓	✓	
UKCA/CE approvals	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
UL* approval									✓	
cUL* approval									✓	
SureCHECK quality standard	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
ProTECT	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
OPTIONAL FEATURES										
VOC gas sensor (Volatile Organic Compound)							✓	✓	✓	
Remote stop/start interface		✓					✓	✓	✓	
Filter change system fail signal		✓					✓	✓	✓	
Onboard compressor								✓	✓	
Digital speed control				✓						
Variety of arms/hoods										✓

Product availability may vary by region. Please contact BOFA with any questions.

* Tested to UL and cUL standards, but testing may be provided by alternate nationally recognised test laboratories. Certain product configurations may affect the UL certification. Please speak to your sales representative.

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PRINTING

FUME EXTRACTION

PrintPRO range

Applications

Digital flexo plates
Direct to fabric
Dye sublimation
Flags, banners & posters
Flexographic printing

Inkjet printing
Letter press plates
Low-solvent ink
MEK
Mid-solvent ink

Screen printer
Solvent ink
UV coating
UV printing



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. Systems are available for a variety of ink types including: solvent, UV and dye sublimation.

FEATURED PRODUCT – BEST IN CLASS



PrintPRO Universal FUME EXTRACTOR

The flagship product in our printing range, the PrintPRO Universal is a compact unit with a large gas filter. It is designed exclusively for the print and print finishing industries with unique features to effectively filter a wide range of solvents generated within these environments, including MEK, ketones and vapours from UV applications.

The unit is easily adapted to a huge range of environments, including wide-format printing, inkjet coding printers (CIJ) (both solvent and UV) and numerous mailroom applications such as UV coating, hot melt glue binding and mailwrap polywrapping.

Standard features

- Long-life, low-cost replacement filters
- High airflow pressure rates
- Advanced carbon filter technology

Easily adapted to a huge range of print environments.

PRINTING FUME EXTRACTION

PrintPRO range



PrintPRO Universal FUME EXTRACTOR

The PrintPRO Universal fume extractor is a compact unit with a large gas filter. It was designed exclusively for the print and print finishing industries with unique features designed to filter a wide range of solvents generated within these environments, including MEK, ketones and vapours from UV applications.

The unit is easily adapted to a huge range of environments, including wide format printing, inkjet coding printers (CIJ) (both solvent and UV) and numerous mail-room applications such as UV coating, hot melt glue binding and mailwrap polywrapping.

Approvals UKCA and CE | cUL | UL*

Dimensions 625 x 385 x 525mm
24.60 x 15.16 x 20.67"

Airflow / Pressure 380m³/hr / 96mbar
223cfm / 96mbar

Technology



Datasheet download
bofainternational.com/printpro-universal



PrintPRO 1000 iQ FUME EXTRACTOR

These mid to high-end extraction systems combine extremely large filter capacity with high airflow and pressure rates, making it the ideal choice for heavy-duty applications that generate large amounts of particulate and gaseous organic compounds.

Approvals UKCA and CE | cUL | UL*

Dimensions 1205 x 615 x 790mm
47.44 x 24.22 x 31.10"

Airflow / Pressure 850m³/hr / 100mbar
500cfm / 100mbar

Technology



Datasheet download
bofainternational.com/printpro-1000-iq

DYE SUBLIMATION



PrintPRO Oracle DS FUME EXTRACTOR

The PrintPRO Oracle DS is our mid to high-end print fume extraction and filtration system. It has been purposely designed to filter the fumes generated from dye sublimation printers and combines extremely large filter capacity with high airflows and pressure. This combination makes it ideal for heavy-duty applications that generate large amounts of particulate and gaseous organic compounds.

The additional feature of BOFA's 'easi-seal' filter location mechanism helps to make filter change quick and easy. A truly state-of-the-art print fume purification system.

Approvals UKCA and CE

Dimensions 955 x 430 x 475mm
37.60 x 17 x 18.70"

Airflow / Pressure 380m³/hr / 96mbar
223cfm / 96mbar

Technology



Datasheet download
bofainternational.com/printpro-oracle-ds



PrintPRO 800 DS FUME EXTRACTOR

This mid to high-end fume extraction and filtration system has been purposely designed to filter the fumes generated from dye sublimation printers. A hydrophobic HEPA filter is fitted as standard and an optional gas filter can be fitted as required. This extraction system combines extremely large filter capacity with high airflows and pressure, making it ideal for heavy-duty applications that generate large amounts of gaseous organic compounds.

The coalescing filters trap glycol mist and combine it into larger droplets. These droplets then drip away from the filter when the extractor is stopped due to its reverse flow design. An automatic drain located in the base of the unit opens as soon as the extractor stops, allowing the glycol to exit the machine and be collected in a tray.

Approvals UKCA and CE

Dimensions 1205 x 615 x 790mm
47.44 x 24.22 x 31.10"

Airflow / Pressure 800m³/hr / 100mbar
470cfm / 100mbar

Technology



Datasheet download
bofainternational.com/printpro-800-ds

OUR LEADING TECHNOLOGY



iQ
Intelligent Operating System (iQ)



DeepPleat
DeepPleat pre-filter



DeepPleat DUO
DeepPleat DUO pre-filter



HEPA
HEPA filter



ACF
Advanced carbon filter technology

PRODUCT FEATURES


Comparison table

		DYE SUBLIMATION				
		PrintPRO Universal	PrintPRO 1000 IQ	PrintPRO Oracle DS	PrintPRO 800 DS	
STANDARD FEATURES	VOC gas sensor	✓				
	Brushless motor	✓	✓	✓	✓	
	Filter condition indicator	✓	✓	✓	✓	
	High airflow and pressure rates	✓	✓	✓	✓	
	Long-life, low-cost replacement filters	✓	✓	✓	✓	
	MEK carbon	✓	✓			
	Small footprint	✓				
	Digital speed control	✓				
	'Easi-seal' filter location		✓	✓	✓	
	Auto-sensing voltage (100-230V) for global use	✓		✓		
	Automatic flow control system		✓	✓	✓	
	Intelligent Operating System (iQ)		✓			
	Lockable castors	✓	✓	✓	✓	
	Fluid collection tray			✓	✓	
	Reverse flow air technology		✓	✓	✓	
	SureCHECK quality standard	✓	✓	✓	✓	
	ProTECT	✓	✓	✓	✓	
	UKCA/CE approvals	✓	✓	✓	✓	
	UL* approval	✓	✓			
	cUL* approval	✓	✓			
	OPTIONAL FEATURES	VOC gas sensor		✓	✓	✓
		Remote stop/start interface	✓	✓	✓	✓
Filter change/system fail signal		✓	✓	✓	✓	
2 sponge filter version					✓	
Larger silencing inlet/outlet boxes		✓				

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RFA
Reverse flow air technology



AFC
Automatic flow control technology



MVS
Multi-voltage sensing unit



PATENTED
Patented technology



SureCHECK
SureCHECK quality standard



ProTECT
ProTECT service plan

ADDITIVE MANUFACTURING / 3D PRINTING

ATMOSPHERE MANAGEMENT SYSTEMS

3D PrintPRO and AM ranges

Applications

Directed energy deposition

Binder jetting

Material extrusion

- FDM
- FFF

Material jetting

Powder bed fusion

- SLS
- SLM
- SHS
- EBM
- DMLS

Sheet lamination

VAT polymerisation

- Stereolithography
- Digital light projection

BOFA's range of AM and 3D PrintPRO atmosphere management systems is designed to filter the air from applications that generate particulate and gaseous organic compounds. The systems help to provide a clean print area and return filtered air back into the workplace environment.

FEATURED PRODUCT – BEST IN CLASS



AM 400 FUME EXTRACTOR

Designed and built specifically for inert particulate filtration, the AM 400 is the premium filtration and atmosphere management solution for the additive manufacturing industry. It offers significant benefits to users in direct metal laser sintering and selective laser melting polymer applications.

Standard features

- Intelligent Operating System (iQ)
- Reverse flow filter technology
- Real-time gasflow reading
- Automatic flow control
- Removable filter housing
- Isolation valve
- Electronic lift assist
- Low leakage
- Tri-clamp inlet & outlet connections

Designed and built specifically for inert particulate filtration

ADDITIVE MANUFACTURING / 3D PRINTING FUME EXTRACTION

3D PrintPRO / AM range

3D PRINTING



3D PrintPRO 2 FUME EXTRACTOR

The 3D PrintPRO 2 fume extractor is a low-cost unit that helps to filter fumes generated by the printer without causing the filament deposition area to be cooled.

It has the benefits of low noise levels and minimal power consumption. Each unit is supplied with a connection hose, 'stay put' arm, conical-shaped nozzle and 'print your own' plenum instructions.

Approvals UKCA and CE

Suitable for open-framed 3D printers for:
FDM / FFF

Dimensions 330 x 290 x 270mm
12.99 x 11.42 x 10.63"

Airflow 45m³/hr
26.5cfm

Technology



Datasheet download
bofainternational.com/3dprintpro-2



3D PrintPRO 3 FUME EXTRACTOR

The 3D PrintPRO 3 fume extractor incorporates an externally mounted plenum system which helps to filter fumes generated during the printing process and returns filtered air to the operator's breathing zone.

It has the benefits of low cost, low power consumption and integral speed control. Each filtration unit is supplied with connection hoses and 'print your own' plenum instructions.

Approvals UKCA and CE | UL*

Suitable for open-framed 3D printers for:
FDM / FFF / SLA / DLP / MJ

Dimensions 400 x 290 x 300mm
15.75 x 11.42 x 11.81"

Airflow 150m³/hr
88cfm

Technology



Datasheet download
bofainternational.com/3dprintpro-3



3D PrintPRO 4 FUME EXTRACTOR

The 3D PrintPRO 4 provides a high fume extraction and filtration rate when connected to a large enclosed 3D printer via its extraction take-off point. The system can also return the filtered air either back to the printer enclosure for a cleaner print area or to the operator's breathing zone.

It combines a high flow rate with speed control within a compact free-standing unit. Each filtration unit is supplied with connection hoses and 'print your own' plenum instructions.

Approvals UKCA and CE

Suitable for open-framed 3D printers for:
FDM / FFF / SLA / DLP

Dimensions 625 x 385 x 525mm
24.60 x 15.16 x 20.67"

Airflow 270m³/hr
159cfm

Technology



Datasheet download
bofainternational.com/3dprintpro-4



3D PrintPRO HT FUME EXTRACTOR

Suitable for high-temperature fused deposition modelling, stereolithography, digital light processing in enclosed 3D printers with up to 100°C chamber air temperature.

The 230V 3D PrintPRO HT provides a premium fume extraction solution for high-performing 3D printers operating with elevated chamber air temperatures. With a modular approach, the design caters for closed-loop continuous operation, open-loop intermittent operation, and the ability to do both with a pairing kit.

Approvals UKCA and CE

Suitable for open-framed 3D printers for:
HIGH TEMP / FDM / SLA / DLP / MJ

Dimensions 608 x 406 x 590mm
23.94 x 15.98 x 23.23"

Airflow 80m³/hr
22cfm

Technology



Datasheet download
bofainternational.com/3dprintpro-ht

OUR LEADING
TECHNOLOGY



iQ
Intelligent Operating
System (IQ)



DeepPleat
DeepPleat
pre-filter



DeepPleat DUO
DeepPleat DUO
pre-filter



HEPA
HEPA filter



ACF
Advanced carbon
filter technology

AM



AM 400 FUME EXTRACTOR

Designed and built specifically for inert particulate filtration, the AM 400 is the premium filtration and atmosphere management solution for the additive manufacturing industry.

It offers significant benefits to users in direct metal laser sintering and selective laser melting polymer applications.

Approvals UKCA and CE

Dimensions 790 x 857 x 1670mm
31 x 33.74 x 65.74"

Pressure 9mbar
Minimum flow rate 150m³/hr
88cfm
Maximum flow rate 330m³/hr
188cfm

Technology



Datasheet download
bofainternational.com/am-400

Work with BOFA to create the appropriate system for you...

The 3D printing and additive manufacturing industry is moving at a rapid pace with new materials and processes being tested and implemented all the time.

We already work with companies to create personalised and bespoke systems, whether they are stand alone, ride on, or integrated systems.

PERSONALISED SYSTEMS

Product customisation

Speak to our knowledgeable team about your specific requirements and how we can work with you to create the appropriate system to complement your product.

- Sockets and connectors
- VOC sensor
- Compressor
- Air conditioner

Customisable controls and communications

- Universal voltage system – one part number worldwide
- Auto start/stop
- Overrun
- Warnings and alarm outputs

Customised branding

- Standard BOFA unit
- + product branding
- + your specific paint colour
- + accessories
- + spare filters
- + hose kit

BESPOKE SYSTEMS

Unique products

Working with BOFA, you'll have access to our unrivalled knowledge to develop bespoke, personalised systems.



Unit, filters, and accessories specific to your requirements.

* Tested to UL and cUL standards, but testing may be provided by alternate nationally recognised test laboratories. Certain product configurations may affect the UL certification. Please speak to your sales representative.



PRODUCT FEATURES

Comparison table

		3D PrintPRO 2	3D PrintPRO 3	3D PrintPRO 4	3D PrintPRO HT	AM 400	AD Oracle IQ	FumeCAB 1000 IQ
STANDARD FEATURES	Brushless motor	✓	✓	✓	✓	✓	✓	✓
	Filter condition indicator	✓	✓	✓	✓	✓	✓	✓
	High airflow and pressure rates			✓		✓	✓	
	Long-life, low-cost replacement filters	✓	✓	✓	✓	✓	✓	✓
	Small footprint	✓	✓	✓	✓			
	Digital speed control		✓	✓	✓			
	'Easi-seal' filter location						✓	✓
	Auto-sensing voltage (100-230V) for global use	✓	✓				✓	
	Automatic flow control system					✓	✓	✓
	Intelligent Operating System (IQ)					✓	✓	✓
	Lockable castors			✓		✓	✓	
	Reverse flow air technology					✓	✓	✓
	SureCHECK quality standard	✓	✓	✓	✓	✓	✓	✓
	ProTECT	✓	✓	✓	✓	✓	✓	✓
	UKCA/CE approvals	✓	✓	✓	✓	✓	✓	✓
	UL* approval			✓			✓	
cUL* approval			✓			✓		
OPTIONAL FEATURES	VOC gas sensor			✓			✓	✓
	Remote stop/start interface	✓	✓	✓	✓	✓	✓	
	Filter change/system fail signal						✓	

POST-PROCESSING

FILTER TECHNOLOGY

The majority of systems in the 3D / AM range incorporate three-stage filtration: pre-filter, HEPA and chemical section. For more information visit bofainternational.com/filters

ACCESSORIES

We have a wide range of hose kits to complement these ranges. You'll find the shape, size and combinations most suited to your application.

For more information, contact your sales representative or visit bofainternational.com/accessories

TRAINING DESIGNED FOR YOU

Free training modules delivered by our knowledgeable team, direct to you.

For more information visit bofainternational.com/bofa-academy



Product availability may vary by region. Please contact BOFA with any questions.

* Tested to UL and cUL standards, but testing may be provided by alternate nationally recognised test laboratories. Certain product configurations may affect the UL certification. Please speak to your sales representative.

OUR LEADING TECHNOLOGY



iQ
Intelligent Operating System (IQ)



DeepPleat
DeepPleat pre-filter



DeepPleat DUO
DeepPleat DUO pre-filter



HEPA
HEPA filter



ACF
Advanced carbon filter technology

MECHANICAL ENGINEERING

DUST EXTRACTION

DustPRO range

Applications

Artifact restoration
Buffing
Chip collectors
CNC
Drilling

Dust collectors
Filing
Flicking
Grinding
Linishing

Mechanical engraving
Rotary engraving
Routing
Sanding



BOFA's DustPRO range of dust, particulate and fume collectors and extraction systems have been designed to help filter particulate, dust and swarf generated during processes.

FEATURED PRODUCT – BEST IN CLASS



DustPRO Universal DUST EXTRACTOR

BOFA's DustPRO Universal stand-alone dust extraction unit has been developed to help filter swarf and particulates during processes such as routing, mechanical engraving, grinding and turning.

Standard features

- Digital speed control - for variable airflow rates
- Auto-sensing voltage (100-230V) for global use
- Filters with long life and low replacement cost
- High-vacuum blower for effective filtering from source
- Brushless motor = longer life
- High-efficiency, five-layer, large-capacity, easy change filter
- HEPA filtration
- Filter full indicator
- Quiet in operation
- Small footprint

The unit's high-vacuum pump is brushless and designed for long-term continuous running.





DustPRO 50 DUST EXTRACTOR

The DustPRO 50 is a small, compact, high-vacuum unit with a large-capacity bag filter designed for lightweight applications.

One of the main problems with other router extraction systems relates to the type of blower used. Most have brushed motors which are noisy in operation and frequently burn out, with the average life of brushes being around 800 hours. The blower used in BOFA's DustPRO 50 dust and fume extraction system is brushless and designed for continuous running before requiring servicing.

Approvals UKCA and CE

Dimensions 575 x 320 x 295mm
22.64 x 12.60 x 11.61"

Airflow / Pressure 80m³/hr / 100mbar
47cfm / 100mbar

Technology



Datasheet download
bofainternational.com/dustpro-50



DustPRO 100 DUST EXTRACTOR

This unit has been developed for the effective filtering of swarf and particulates created during processes such as routing, mechanical engraving, grinding and turning. Its brushless motor is designed for continuous running and generates high vacuums while being quiet in operation. The large capacity bag filter has a very high efficiency.

Approvals UKCA and CE

Dimensions 570 x 460 x 730mm
22.44 x 18.11 x 28.74"

Airflow / Pressure 180m³/hr / 110mbar
105cfm / 110mbar

Technology



Datasheet download
bofainternational.com/dustpro-100



DustPRO 250 DUST EXTRACTOR

BOFA's DustPRO 250 has a high airflow that helps to enable a stronger extraction. The blower used in the DustPRO 250 is brushless and designed for longer continuous running before requiring servicing. It benefits from a HEPA filter and a large, 6.4 liter bag filter.

The optional 24V start/stop and filter change system failure signal helps to ensure efficiency in the running of the unit.

Approvals UKCA and CE

Dimensions 520 x 290 x 270mm
20.47 x 11.42 x 10.63"

Airflow / Pressure 180m³/hr / 30mbar
105cfm / 30mbar

Technology



Datasheet download
bofainternational.com/dustpro-250



DustPRO 400 DUST EXTRACTOR

The high-vacuum blower used in the DustPRO 400 is the most powerful amongst the smaller units in the DustPRO range. It is brushless and designed for longer continuous running before requiring servicing. The bag filter has a large 6.4 litre capacity and the HEPA filter has an efficiency of 99.995% removal at 0.3 microns.

Approvals UKCA and CE

Dimensions 600 x 290 x 270mm
23.62 x 11.42 x 10.63"

Airflow / Pressure 380m³/hr / 96mbar
235cfm / 96mbar

Technology



Datasheet download
bofainternational.com/dustpro-400



MECHANICAL ENGINEERING DUST EXTRACTION

DustPRO range



DustPRO Universal DUST EXTRACTOR

The DustPRO Universal is BOFA's first choice industrial stand-alone dust extraction and filtration system. Due to its high airflow and pressure rates, combined with a large 18 litre capacity filter bag and HEPA filter, this unit is compact and versatile, meaning you can position it in a location to suit your application without hindering your process.

The unit's high vacuum blower is brushless and designed for longer running before requiring servicing.

Approvals UKCA and CE | cUL | UL*

Dimensions 590 x 460 x 535mm
23.23 x 18.11 x 21.06"

Airflow / Pressure 285m³/hr / 96mbar
167cfm / 96mbar

Technology



Datasheet download
bofainternational.com/dustpro-universal



DustPRO 500 iQ / 1000 iQ / 1500 iQ DUST EXTRACTORS

These mid to high-end extraction systems combine a 100 litre filter capacity pre-filter with high airflow and pressure rates, making them the ideal choice for heavy-duty applications that generate large amounts of particulate, with the added protection of the large HEPA filter.

One of the main problems with other dust extractors relates to the type of blower used. Most have brushed motors which are noisy in operation and frequently burn out, with the average life of brushes being around 800 hours. The blower used in these three units is brushless and designed for longer continuous running before requiring servicing.

Performance is further enhanced with the inclusion of several features including our Intelligent Operating System (iQ).

Approvals UKCA and CE | cUL | UL

Dimensions 1205 x 615 x 790mm
47.44 x 24.21 x 31.10"

DustPRO 500 iQ
Airflow / Pressure 550m³/hr / 100mbar
324cfm / 100mbar

DustPRO 1000 iQ
Airflow / Pressure 850m³/hr / 100mbar
500cfm / 100mbar

DustPRO 1500 iQ
Airflow / Pressure 1250m³/hr / 100mbar
735cfm / 100mbar

Technology



Datasheet download
bofainternational.com/dustpro-500-iq
bofainternational.com/dustpro-1000-iq
bofainternational.com/dustpro-1500-iq



Mobile FumeKART DUST EXTRACTOR

The FumeKART is the ideal portable air extraction and filtration unit and can be applied to a variety of applications.

Designed to filter dust particles, mould spores, solvent vapours and other pollutants from the work environment, the Mobile FumeKART is easy to operate and maintain and provides the additional benefit of being fully portable.

Users have the flexibility and the assurance of high performance filtration. A filter condition indicator is included as a standard feature, together with three-stage filtration: pre-filter, HEPA and gas filter.

Approvals UKCA and CE

Dimensions 840 x 475 x 550mm
33.07 x 18.7 x 21.65"

Airflow / Pressure 380m³/hr / 100mbar
223cfm / 100mbar

Technology



Datasheet download
bofainternational.com/mobile-fumekart

* Tested to UL and cUL standards, but testing may be provided by alternate nationally recognised test laboratories. Certain product configurations may affect the UL certification. Please speak to your sales representative.

OUR LEADING TECHNOLOGY



iQ
Intelligent Operating System (iQ)



DeepPleat
DeepPleat pre-filter



DeepPleat DUO
DeepPleat DUO pre-filter



HEPA
HEPA filter



ACF
Advanced carbon filter technology

PRODUCT FEATURES

Comparison table

	DustPRO 50	DustPRO 100	DustPRO 250	DustPRO 400	DustPRO Universal	DustPRO 500 IQ	DustPRO 1000 IQ	DustPRO 1500 IQ	Mobile FumeKART
STANDARD FEATURES	Compact design	✓	✓	✓					✓
	Auto-sensing voltage (100-230V) for global use			✓	✓				
	Digital speed control			✓	✓				✓
	Automatic flow control system					✓	✓	✓	
	Brushless motor	✓	✓	✓	✓	✓	✓	✓	✓
	Filter blocked indicator		✓	✓	✓	✓	✓	✓	✓
	HEPA filter technology		✓	✓	✓	✓	✓	✓	✓
	Reserve flow air technology					✓	✓	✓	
	Intelligent Operating System (iQ)					✓	✓	✓	
	Patented technology					✓	✓	✓	
	UKCA/CE approvals	✓	✓	✓	✓	✓	✓	✓	✓
	UL* approval				✓	✓	✓	✓	
	cUL* approval				✓	✓	✓	✓	
	SureCHECK quality standard	✓	✓	✓	✓	✓	✓	✓	✓
	ProTECT	✓	✓	✓	✓	✓	✓	✓	✓
OPTIONAL FEATURES	Remote stop/start interface		✓	✓	✓	✓	✓		
	Filter change/system fail signal			✓	✓	✓	✓		
	Onboard compressor					✓	✓		
	Variety of arms/hoods								✓

Product availability may vary by region. Please contact BOFA with any questions.

FILTER TECHNOLOGY

The DustPRO range incorporates large pre-filter bags, coupled with HEPA filters to provide maximum long life capacity, operator safety and low cost of ownership. This combination helps to provide filtration for any industrial application.

For more information visit bofainternational.com/filters

INLINE FILTERS

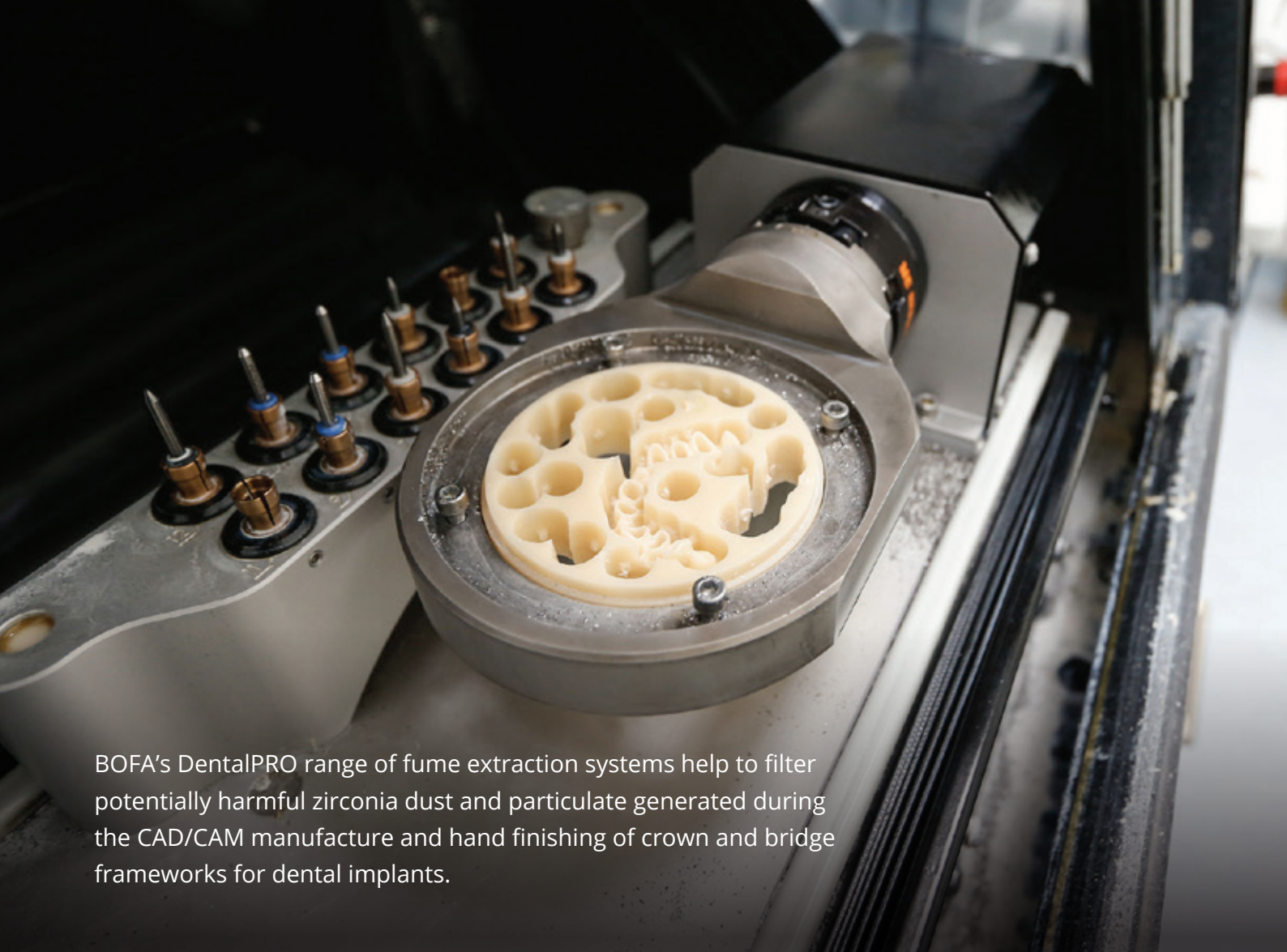
We have a range of inline filters ideal for heavy duty applications.

ACCESSORIES

BOFA has an extensive selection of hose kits to fit all types of applications and processes.

For more information, contact your sales representative or visit bofainternational.com/accessories





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

FEATURED PRODUCT – BEST IN CLASS

DentalPRO Xtract 300

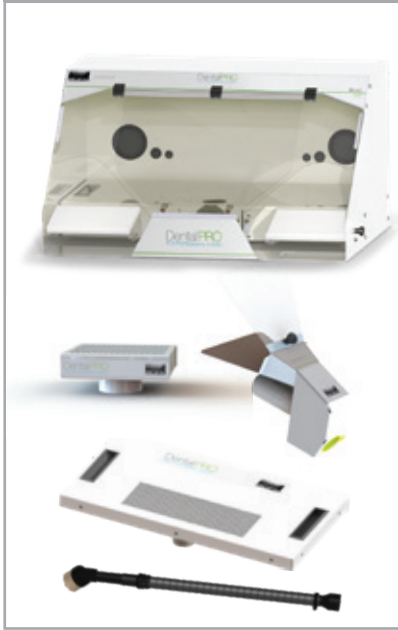
The Xtract 300 is ideally suited to manual bench top applications and provides technicians the flexibility to work without restriction in the knowledge that dust particles and fumes are being effectively filtered to maintain a safer working environment.

This system combines maximum technician protection in one compact unit, with scalable and flexible options with different accessories, lighting and internal storage.

Standard features

- Easily replaced screen protector helps to ensure clear visibility at all times
- Internal storage trays
- Padded arm rests
- Internal LED lighting
- Rear entry grommets for mains powered hand finishing units
- Interchangeable accessories
- Removable collection trays
- Strong, rigid construction

Flagship dust and fume extraction dental cabinet designed for multiple hand finishing or monomer mixing applications.



DENTAL DUST AND FUME EXTRACTION

DentalPRO range



DentalPRO 400 DUST EXTRACTOR

This under-bench multi-user system effectively filters particulates generated during the hand finishing of dental implants and is ideally suited to manual bench top applications. Technicians can work without restriction, but in the knowledge that potential dust particles are being effectively filtered to help maintain a safer working environment.

A brushless high vacuum blower for longer continuous running before requiring servicing, a bag filter with a large 6.4 litre capacity and a HEPA filter makes this unit perfect for dental hand finishing work for multiple users and low running costs.

Approvals UKCA and CE

Dimensions 595 x 290 x 275mm
23.43 x 11.42 x 10.83"

Airflow / Pressure 400m³/hr / 96mbar
235cfm / 96mbar

Technology



Datasheet download
bofainternational.com/dentalpro-400



DentalPRO Universal DUST EXTRACTOR

BOFA's DentalPRO Universal stand-alone dust extraction system helps to filter smaller particulates generated during the CAD/CAM milling of dental implants. The unit's high-efficiency, two-stage filtration process allows technicians to work safe in the knowledge that dust particles are being effectively filtered to maintain a cleaner working environment.

The unit's high vacuum pump is brushless and designed for continuous running for longer periods of time before requiring servicing. It benefits from a HEPA filter and a large, 18-litre bag filter.

Approvals UKCA and CE

Dimensions 590 x 460 x 535mm
23.23 x 18.11 x 21.06"

Airflow / Pressure 285m³/hr / 96mbar
167cfm / 96mbar

Technology



Datasheet download
bofainternational.com/dentalpro-universal



DentalPRO Base DUST EXTRACTOR

BOFA's DentalPRO Base is a ride on dust extraction system, which helps to filter particulates generated during the CAD/CAM milling of dental implants. The unit is designed for the milling machine to be securely placed on top of the extraction system, which itself doubles up as a space saving stand.

The unit's high efficiency two-stage filtration process allows technicians to work safe in the knowledge that dust particles are being effectively filtered, to maintain a cleaner working environment. The bag filter has a large 18 litre capacity and the HEPA filter has an efficiency of 99.995% down to 0.3 microns.

The high-vacuum blower is brushless and designed for longer continuous running before requiring servicing. An added optional extra is an onboard compressor providing the miller with clean oil-free air for all compressed air requirements.

Approvals UKCA and CE

Dimensions 610 x 670 x 765mm
24.02 x 26.38 x 30.12"

Airflow / Pressure 285m³/hr / 96mbar
167cfm / 96mbar

Technology



Datasheet download
bofainternational.com/dentalpro-base



DentalPRO 1000 iQ M DUST EXTRACTOR

This unit combines extremely large filter capacity with high airflow and pressure rates, making it the ideal choice for heavy duty applications that generate larger amounts of particulate during the CAD / CAM milling of dental implants. It is designed as a centralised system, for multiple milling machines.

The high-efficiency, two-stage filtration process allows technicians to work safe in the knowledge that dust particles and fumes are being filtered, to maintain a cleaner working environment. The large capacity bag filter provides long life, while the HEPA filter has an efficiency of 99.995% down to 0.3 microns helping to ensure a safer working environment.

Approvals UKCA and CE

Dimensions 1205 x 615 x 790mm
47.44 x 24.21 x 31.10"

Airflow / Pressure 850m³/hr / 100mbar
500cfm / 100mbar

Technology



Datasheet download
bofainternational.com/dentalpro-1000-iq-m

OUR LEADING TECHNOLOGY



iQ
Intelligent Operating System (iQ)



DeepPleat
DeepPleat pre-filter



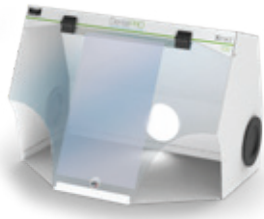
DeepPleat DUO
DeepPleat DUO pre-filter



HEPA
HEPA filter



ACF
Advanced carbon filter technology



DentalPRO Xtract 100

BOFA's DentalPRO Xtract 100 dust and fume extraction cabinet is designed for the effective filtering of potentially harmful dust and fumes generated during dental hand finishing or monomer mixing applications.

This unit is ideally suited to manual bench top applications and provides technicians with a well-lit enclosure, giving them the flexibility to work without restriction in the knowledge that dust particles and fumes are being effectively filtered to help maintain a safer working environment.

This system combines maximum technician protection in a small footprint, with scalable and flexible options.

Approvals UKCA and CE

Dimensions 290 x 400 x 345mm
11.42 x 15.75 x 13.58"

Opening Dimensions 265 x 400mm
10.4 x 15.6"

Technology



Datasheet download
bofainternational.com/dentalpro-xtract-100



DentalPRO Xtract 200

BOFA's DentalPRO Xtract 200 dust and fume extraction cabinet is designed for the effective filtering of potentially harmful dust and fumes generated during dental hand finishing or monomer mixing applications.

This unit is ideally suited to manual bench top applications and provides technicians with a larger well-lit enclosure, giving them the flexibility to work without restriction in the knowledge that dust particles and fumes are being effectively filtered to help maintain a safer working environment.

This system combines maximum technician protection in a small footprint, with scalable and flexible options.

Approvals UKCA and CE

Dimensions 355 x 540 x 400mm
13.98 x 21.26 x 15.75"

Opening Dimensions 315 x 540mm
12.4 x 21.3"

Technology



Datasheet download
bofainternational.com/dentalpro-xtract-200



DentalPRO Xtract 300

Dust and fume extraction cabinet for multiple hand finishing dental laboratory applications. BOFA's DentalPRO Xtract 300 dust and fume extraction dental cabinet is designed for the effective filtering of potentially harmful dust and fumes generated during dental hand finishing or monomer mixing applications.

This unit is ideally suited to manual bench top applications and provides technicians with a large well-lit enclosure, giving them the flexibility to work without restriction in the knowledge that potential dust particles and fumes are being effectively filtered to help maintain a safer working environment.

This system combines maximum technician protection in one compact unit, with scalable and flexible options with different accessories, lighting and internal storage.

Approvals UKCA and CE

Dimensions 380 x 730 x 520mm
14.96 x 28.74 x 20.47"

Opening Dimensions 380 x 695mm
14.96 x 27.36"

Technology



Datasheet download
bofainternational.com/dentalpro-xtract-300



DentalPRO accessories

BOFA offers a choice of interchangeable specialist accessories designed to work with the DentalPRO range, for use in all dental laboratory applications.

For more information, visit
bofainternational.com/dental-accessories



PRODUCT FEATURES

Comparison table

		DentalPRO 400	DentalPRO Universal	DentalPRO Base	DentalPRO 1000 iQ M	CABINETS		
					DentalPRO Xtract 100	DentalPRO Xtract 200	DentalPRO Xtract 300	
STANDARD FEATURES	Compact design	✓			✓	✓	✓	
	Auto-sensing voltage (100-230V) for global use	✓	✓	✓				
	Digital speed control	✓	✓	✓				
	Automatic flow control system				✓			
	Brushless motor	✓	✓	✓	✓			
	Filter blocked indicator	✓	✓	✓	✓			
	Advanced carbon filter technology							
	HEPA filter technology	✓	✓	✓	✓			
	Reverse flow air technology				✓			
	Patented technology				✓			
	Replaceable protector screen					✓	✓	✓
	Internal LED strip light					✓	✓	✓
	Side entry grommets					✓	✓	✓
	Removable collection tray					✓	✓	✓
	Intelligent Operating System (iQ)				✓			
	UKCA/CE approvals	✓	✓	✓	✓	✓	✓	✓
	SureCHECK quality standard	✓	✓	✓	✓	✓	✓	✓
ProTECT	✓	✓	✓	✓	✓	✓	✓	
OPTIONAL FEATURES	VOC gas sensor (Volatile Organic Compound)							
	Remote stop/start interface	✓	✓	✓	✓			
	Filter change/system fail signal	✓	✓		✓			
	Foot switch	✓						
	90° spigot lid							
	Onboard compressor			✓	✓			

We have a comprehensive range of extraction systems suitable for laboratories and industrial processes, whether they generate small amounts of fine particulate or large volumes of dust.

FILTER TECHNOLOGY

For more information visit bofainternational.com/filters

ACCESSORIES

BOFA has an extensive selection of hose kits to fit all types of applications and processes. There are a large number of product options too - speak to your sales representative or visit bofainternational.com/accessories



TRAINING DESIGNED FOR YOU

Free training modules delivered by our knowledgeable team, direct to you.

For more information visit bofainternational.com/bofa-academy

Product availability may vary by region. Please contact BOFA with any questions.

OUR LEADING TECHNOLOGY



iQ Intelligent Operating System (iQ)



DeepPleat DeepPleat pre-filter



DeepPleat DUO DeepPleat DUO pre-filter



HEPA HEPA filter



ACF Advanced carbon filter technology



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.

FEATURED PRODUCT – BEST IN CLASS



FumeCAB 1000 iQ EXTRACTION CABINET

The high-performance FumeCAB 1000 iQ integrated filtration system boasts a large working area with bright, ultra-slim, energy saving LED strip lights plus UV lights as optional.

Standard features

- Combined HEPA/gas filter incorporating advanced carbon filter technology
- Certified to BS 7989:2001 - re-circulatory filtration fume cabinet specification
- Helps ensure operational compliance with HSG258 guidelines
- Energy saving, ultra-bright, slimline LED lighting
- Twin coated anti-UV/anti-splash protective polycarbonate visor
- Audible and visual warning alarms
- Optional: ESD compatible

Integrated filtration cabinet that helps to ensure compliance with legislations.



FumeCAB 250 EXTRACTION CABINET

A small but versatile fume cabinet, which can be used for an array of applications.

Partial enclosures are steadily becoming the preferred option for operator protection from fumes generated from processes that produce potentially harmful fumes.

Ideal partner to the V 250

Dimensions 290 x 400 x 300mm
11.42 x 15.75 x 11.81"

Opening Dimensions 265 x 400mm
10.4 x 15.7"

Technology



Datasheet download
bofainternational.com/fumecab-250



FumeCAB 600 EXTRACTION CABINET

Providing a larger working area with higher airflow for use in several applications, the FumeCAB 600 boasts the same features as the FumeCAB 250 and works alongside the V 600 extraction system to help protect the operator and process.

Ideal partner to the V 600

Dimensions 355 x 610 x 420mm
13.98 x 24.02 x 16.54"

Opening Dimensions 315 x 540mm
12.4 x 21.3"

Technology



Datasheet download
bofainternational.com/fumecab-600



FumeCAB 700 EXTRACTION CABINET

Partial enclosures are becoming the recommended extraction option for a variety of applications. Government bodies, including the HSE in the UK, are now making direct reference through guidance documentation — such as HSG258 — to their use.

The innovative cam filter change design helps enable safer and simple front loading filter replacement and provides many benefits over alternative rear access systems. Ultra-bright, slim line energy saving LED lights come as standard with optional UV lighting.

Approvals UKCA and CE

Dimensions 780 x 700 x 490mm
30.71 x 27.56 x 19.29"

Opening Dimensions 675 x 225mm
26 x 8.8"

Technology



Datasheet download
bofainternational.com/fumecab-700



FumeCAB 1000 iQ EXTRACTION CABINET

The FumeCAB 1000 iQ integrated filtration system has been designed to help ensure compliance with the latest regulations.

Partial enclosures are becoming the recommended extraction option for a variety of applications. Government bodies, including the HSE in the UK, are now making direct reference through guidance documentation — such as HSG258 — to their use.

Ultra-bright, slimline energy saving LED lights come as standard with optional UV lighting.

The FumeCAB 1000 iQ is available in different options to suit your application. We offer tall, deep, and with ESD or conformal coating.

Approvals UKCA and CE

Dimensions 1003 x 1000 x 655mm
39.49 x 39.37 x 25.79"

Opening Dimensions 285 x 1000 x 650mm
11.2 x 39.4 x 25.6"

Technology



Datasheet download
bofainternational.com/fumecab-1000-iq



PRODUCT FEATURES

Comparison table

	FumeCAB 250	FumeCAB 600	FumeCAB 700	FumeCAB 1000 IQ
Compact size	✓	✓		
Brushless motor			✓	✓
Side entry grommets			✓	✓
Audible and visual warning alarms			✓	✓
Filter blocked indicator			✓	✓
Advanced carbon filter technology			✓	✓
HEPA filter technology			✓	✓
LED strip lights	✓	✓	✓	✓
Intelligent Operating System (IQ)				✓
Reverse flow filter technology			✓	✓
Automatic flow control system			✓	✓
Patented technology				✓
Hose kit	✓	✓		
UKCA/CE approvals	✓	✓	✓	✓
SureCHECK quality standard	✓	✓	✓	✓
ProTECT	✓	✓	✓	✓
VOC monitor			✓	✓
Stand			✓	✓

Product availability may vary by region. Please contact BOFA with any questions.

We have a comprehensive range of extraction systems suitable for laboratories and industrial processes, whether they generate small amounts of fine particulate or large volumes of dust.

FILTER TECHNOLOGY

The integrated FumeCAB helps provide a safer working environment, protected by a three-stage filtration system consisting of a cheaper, more cost effective pre-filter, HEPA filter and a large carbon filter specifically designed to filter the particulate and fumes generated in pharmaceutical and medical applications.

For more information visit bofainternational.com/filters

ACCESSORIES

BOFA has an extensive selection of hose kits to fit all types of applications and processes. There are a large number of product options too - speak to your sales representative or visit bofainternational.com/accessories


STANDARD FEATURES

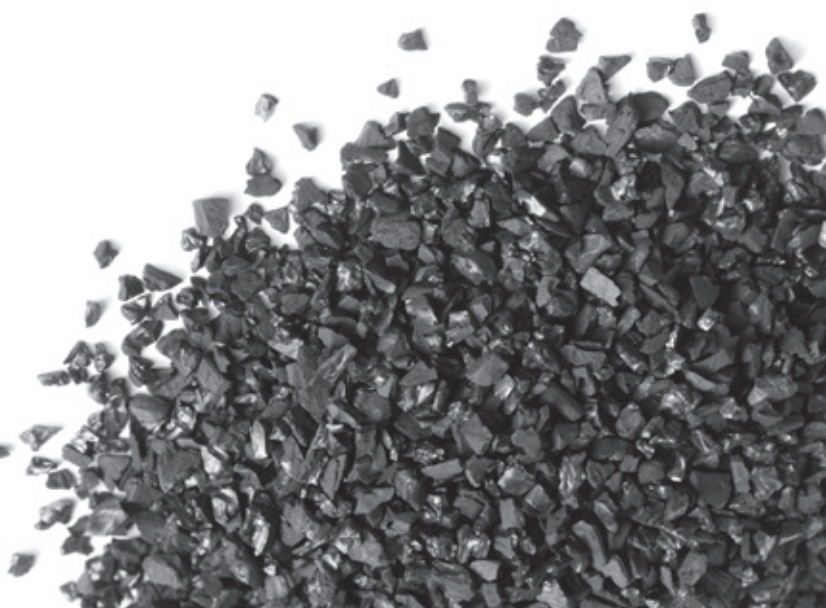
OPTIONAL FEATURES

TRAINING DESIGNED FOR YOU

Free training modules delivered by our knowledgeable team, direct to you.

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OUR LEADING TECHNOLOGY



IQ
Intelligent Operating System (IQ)



DeepPleat
DeepPleat pre-filter



DeepPleat DUO
DeepPleat DUO pre-filter



HEPA
HEPA filter



ACF
Advanced carbon filter technology

ACCESSORIES

Dust and fume extraction products

ARMS



Funnel	Available in 32mm (1.26"), 38mm (1.5"), 50mm (1.97"), 75mm (2.95") Also available in stainless steel
Nozzle	Available in 32mm (1.26"), 38mm (1.5"), 50mm (1.97") Also available in stainless steel
Slotted nozzle	Available in 50mm (1.97")
Plenum funnel	Available in 50mm (1.97")
LED	Available in white and black
LocLINE	Available in 75mm (2.95") and variety of nozzles



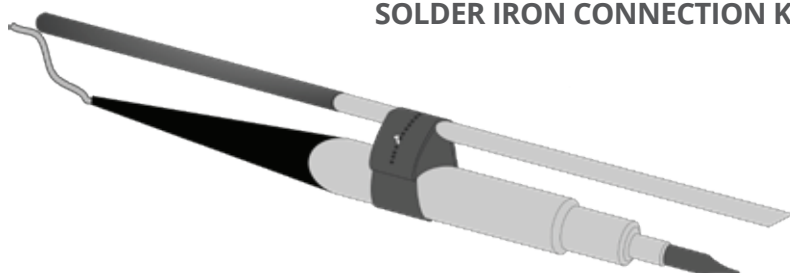
DESKTOP ACCESSORIES



Downdraught tray	Available in 50mm (1.97"), 75mm (2.95")
Cowl	Available in 50mm (1.97"), 75mm (2.95") Also available in clear and ESD (black)
Table bracket	Available in 50mm (1.97"), 75mm (2.95")
Automatic flush system seal	Available for 32mm (1.26"), 38mm (1.5"), 50mm (1.97")
Bench peg	50mm (1.97") connection



SOLDER IRON CONNECTION KITS



Ideal partner to:

- T 1
- T 15

ACCESSORIES

Dust and fume extraction products



PIPEWORK

We offer a wide range of pipework available in 50mm, 75mm, 110mm, 125mm. Speak to your sales representative to help ensure you get the right pipework for your system.



TCU

The Temperature Control Unit (TCU) has been designed to meet a very specific process requirement within the electronics sector. The reliable placement of surface mount devices during PCB assembly requires that during the initial printing stage the solder paste is maintained at a temperature which helps to ensure optimum performance. With assembly now on a global basis the variation of local climate and factory conditions means that this optimum level cannot be maintained without some form of intervention.

The design of the TCU includes cooling and heating elements which ensure that the temperature within the printing environment is maintained within 1°C (33.8°F) of the optimum paste performance temperature regardless of whether the factory ambient is above or below this level.



Dimensions 1300 (+ beacon) x 510 x 670mm
51.18 x 20.08 x 26.38"

Datasheet download bofainternational.com/tcu

LASER COOLING UNITS



AD 200 CU

Approvals UKCA and CE



Our AD 200 CU is an electrically driven, cooling air unit. It supplies cool, filtered air to both the laser and power supply module. This clean, cool air helps to ensure optimal laser performance and reliability.

Dimensions 260 x 250 x 285mm
10.2 x 9.9 x 11.2"

Datasheet download bofainternational.com/ad-200-cu

AD 350 CU

Approvals UKCA and CE | UL*



Our AD 350 CU is designed to supply cool, filtered air to both the laser and power supply module. This clean, cool air helps to ensure optimal laser performance and reliability. It can also be used as a seal to increase the IP rating of the laser.

Dimensions 395 x 380 x 380mm
15.55 x 14.96 x 14.96"

Datasheet download bofainternational.com/ad-350-cu

* Tested to UL and cUL standards, but testing may be provided by alternate nationally recognised test laboratories. Certain product configurations may affect the UL certification. Please speak to your sales representative.

OUR LEADING TECHNOLOGY



iQ Intelligent Operating System (IQ)



DeepPleat DeepPleat pre-filter



DeepPleat DUO DeepPleat DUO pre-filter



HEPA HEPA filter



ACF Advanced carbon filter technology

INLINE FILTERS

Dust and fume extraction products



AD CYCLONE

Laser marking generates a range of particle sizes from 0.1 micron upwards so standard cyclone separators are not suitable.

BOFA's inline cyclone is designed to operate more efficiently at these lower particle sizes.

The cyclone separator has been designed specifically for use with the AD Oracle iQ and is installed between the laser extraction point and the extractor. The airflow generated by the extraction unit powers the cyclone.



Dimensions 800 x 300 x 140mm
31.5 x 11.81 x 5.51"

Datasheet download bofainternational.com/ad-cyclone

ILF 300 / 600



The BOFA inline pre-filters have been designed specifically for applications that generate high amounts of dust or particulate.

The filter unit is positioned alongside the main BOFA fume filtration system to help increase the overall filter capacity and extend the life of the main, more expensive filters.

A range of application dependent filter types and configurations are available on request.

ILF 300



Dimensions 796 x 638 x 328mm
31.34 x 25.12 x 12.92"

Datasheet download bofainternational.com/ilf-300

ILF 600



Dimensions 820 x 631 x 635mm
32.28 x 24.84 x 25"

Datasheet download bofainternational.com/ilf-600

ILF 1000



The BOFA inline pre-filter 1000 has been designed specifically for applications that generate high amounts of dust or particulate.

This inline filter unit has a large DeepPleat DUO and is positioned alongside the main BOFA fume filtration system to help increase the overall filter capacity and extend the life of the main filters.



Dimensions 650 x 617 x 763mm
25.6 x 24.3 x 30"

Datasheet download bofainternational.com/ilf-1000



INLINE FILTERS

Dust and fume extraction products



Spark Arrestor 2

BOFA's Spark Arrestor 2 unit helps to prevent potentially damaging burning particulates, generated during laser marking processes, from entering the fume extraction unit.

Hot burning particulate is transported through the specially designed plates positioned within the airflow, slowing the burning particulate down until it finally drops into the removable drop-out chamber, so protecting the fume extractor.

Approvals UKCA and CE



Dimensions 883 x 400 x 553mm
34.76 x 15.75 x 21.77"

Datasheet download bofainternational.com/spark-arrestor-2



FireBOX GA/MA self-extinguishing inline pre-filter

In the rare event that a burning ember is drawn into the fume extraction unit, there is the possibility that debris in the filters could ignite. Although any resultant fire would typically be retained within the fume extraction unit, this would cause significant damage and in extreme circumstances the risk may extend beyond the extraction unit. For processes where such risks have been identified, additional protection in the form of an inline firebox is an additional precaution. We offer two variations of our FireBOX to cater for metal only and general applications.

FireBOX GA / MA

Approvals UKCA and CE



For added safety and protection from fire. The built-in temperature controller can be set so when a 10°C (50°F) temperature rise is detected, the FireBOX will activate the isolating valves and switch off the power to the extraction unit, suppressing the airflow to the FireBOX and reducing the speed of fire. If this does not suppress the fire and the temperature rises another 10°C (50°F) then the fire extinguisher will be activated.

Ideally paired with AD Oracle SA iQ and AD Oracle iQ.

Dimensions 1186 x 480 x 600mm (including beacon)
46.7 x 19 x 24"

Airflow Up to 380m³/hr
Up to 223cfm

Datasheet download bofainternational.com/firebox-ga
bofainternational.com/firebox-ma

WHICH PRODUCT DO YOU NEED?

The FireBOX GA is designed for general applications.

The FireBOX MA is designed specifically for metal-based applications.

Speak to your sales representative to ensure you choose the right system.



THE FUTURE

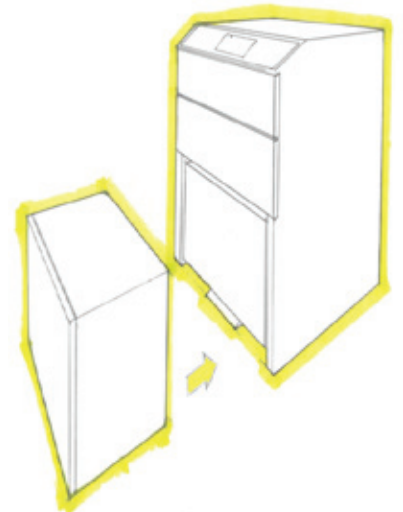
We invest heavily in R&D to help ensure we are ahead of the game, providing global systems to global customers.

The growth in demand for fume extraction looks set to continue the world over, giving manufacturers that have sufficient vision the confidence to invest in resources to develop new products and features to challenge convention and raise the bar in the portable fume extraction world.

Integrated SYSTEMS

Added safety; no additional footprint

Production processes are evolving all the time. Demand for faster processes and changes in materials means new technology — such as fibre lasers — is being developed to increase productivity gains while keeping running costs down. What is also emerging in this new era is the fundamental role that effective fume extraction plays in helping to create a safe operating environment and in optimising the return on investment of this technology. Added to this is the need to keep the footprint of new products to a minimum. BOFA's AD 1000 iQ with integrated FireBOX pairs high-capacity fume extraction with all the benefits of a FireBOX, without taking up any additional floor space.



DeepPleat DUO with INTEGRATED SPARK ARRESTOR

This DeepPleat DUO pre-filter has an integrated spark arrestor box built into the base, acting as a safe-guard precaution by helping to protect the filter media from sparks which may have been generated during the layering process.



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High-speed **CAPTURE DEVICES**

The world is getting faster... and so is BOFA. We have developed new capture devices to cater for faster production processes.

BOFA's modular high-speed capture devices provide enhanced capture

on fast moving production lines, overcoming increased turbulence created by the moving products.

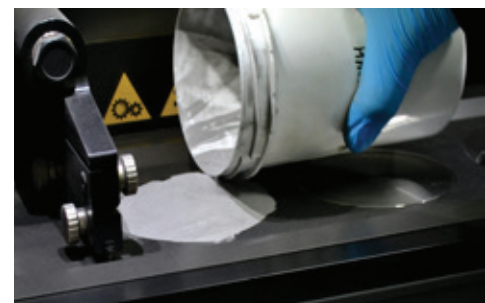
- Improving capture
- Optimising extraction
- Reducing maintenance



3D printing and **ADDITIVE MANUFACTURING**

In the world of rapid prototyping and production of metal components, it is imperative to have the proper gas atmosphere to produce quality parts. To meet the high tolerance standards required in 3D printing, argon and nitrogen are commonly used to provide inert atmospheres.

We are continuously exploring new technology and have designed a pressurised filter system to work in the 3D and additive manufacturing industry, helping you maintain a clean, healthy working environment dealing with the likes of cobalt chrome and titanium metals.







A Donaldson Company

A WORLD LEADER IN FUME
EXTRACTION TECHNOLOGY

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