

# MECHANICAL ENGINEERING

## DUST EXTRACTION

DustPRO range

### Applications

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



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

## FEATURED PRODUCT – BEST IN CLASS



### DustPRO Universal

BOFA's DustPRO Universal stand alone dust extraction unit has been developed for the safe and effective removal of swarf and smaller particulates during processes such as routing, mechanical engraving, grinding and turning.

#### Standard features

- Digital speed control - for variable airflow rates
- Auto sensing voltage (90-257V) for global use
- Filters with long life and low replacement cost
- High vacuum blower for effective capture 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

*For optional features, see page 43.*

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

## OEMs

Find out more about how we work with OEMs on page 10

## DISTRIBUTORS

Find out more about how we work with distributors on page 10

## END USERS

Find out more about how we work with end users on page 10

# MECHANICAL ENGINEERING DUST EXTRACTION

## DustPRO range



### DustPRO 50

The DustPRO 50 is a small, compact high vacuum unit with a large capacity bag filter for light weight applications.

One of the main problems with other router extraction 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 the DustPRO 50 dust and fume extraction system is brushless and designed for continuous running.

**Approvals** CE

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

**Airflow/Pressure** 80m<sup>3</sup>/hr / 100mbar  
47cfm / 100mbar

**Technology**



**Datasheet download**

[bofainternational.com/dustpro-50](http://bofainternational.com/dustpro-50)



### DustPRO 75

The DustPRO 75 is a medium, compact high vacuum unit with a large capacity bag filter for light weight applications.

One of the main problems with other router extraction 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 the DustPRO 75 dust and fume extraction system is brushless and designed for continuous running.

**Approvals** CE

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

**Airflow/Pressure** 120m<sup>3</sup>/hr / 100mbar  
70cfm / 100mbar

**Technology**



**Datasheet download**

[bofainternational.com/dustpro-75](http://bofainternational.com/dustpro-75)



### DustPRO 100

This unit has been developed for the safe and effective removal of swarf and smaller particulates 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** CE

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

**Airflow/Pressure** 180m<sup>3</sup>/hr / 110mbar  
105cfm / 110mbar

**Technology**



**Datasheet download**

[bofainternational.com/dustpro-100](http://bofainternational.com/dustpro-100)



### DustPRO 250

BOFA's DustPRO 250 has a higher airflow, enabling stronger extraction. The blower used in the DustPRO 250 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 makes it highly efficient.

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

**Approvals** CE

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

**Airflow/Pressure** 180m<sup>3</sup>/hr / 30mbar  
105cfm / 30mbar

**Technology**



**Datasheet download**

[bofainternational.com/dustpro-250](http://bofainternational.com/dustpro-250)

OUR LEADING  
TECHNOLOGY



**iQ2**  
Intelligent (iQ2)  
Operating System



**iQ**  
Intelligent (iQ)  
Operating System



**DeepPleat**  
DeepPleat  
pre filter



**DeepPleat DUO**  
DeepPleat DUO  
pre filter



**HEPA**  
HEPA filter



**ACF**  
Advanced carbon  
filter technology

**PRODUCT FEATURES**

Comparison table on page 43



**DustPRO 400**

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 very high efficiency of 99.997% removal at 0.3 microns.

**Approvals** CE

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

**Airflow/Pressure** 400m<sup>3</sup>/hr / 96mbar  
235cfm / 96mbar

**Technology**



**Datasheet download**  
[bofainternational.com/dustpro-400](http://bofainternational.com/dustpro-400)



**DustPRO Universal** *Featured product - see page 39*

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 highly efficient 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** CE | cUL | UL

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

**Airflow/Pressure** 285m<sup>3</sup>/hr / 96mbar  
167cfm / 96mbar

**Technology**



**Datasheet download**  
[bofainternational.com/dustpro-universal](http://bofainternational.com/dustpro-universal)



**DustPRO 500 iQ / 1000 iQ / 1500 iQ**

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 new features including our Intelligent (iQ) Operating System.

The units can be further enhanced with an additional silencer exhaust box.

**Approvals** CE | cUL | UL

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

**DustPRO 500 iQ**  
**Airflow/Pressure** 550m<sup>3</sup>/hr / 100mbar  
324cfm / 100mbar

**DustPRO 1000 iQ**  
**Airflow/Pressure** 850m<sup>3</sup>/hr / 100mbar  
500cfm / 100mbar

**DustPRO 1500 iQ**  
**Airflow/Pressure** 1250m<sup>3</sup>/hr / 100mbar  
735cfm / 100mbar

**Technology**



**Datasheet download**  
[bofainternational.com/dustpro-500-iq](http://bofainternational.com/dustpro-500-iq)  
[bofainternational.com/dustpro-1000-iq](http://bofainternational.com/dustpro-1000-iq)  
[bofainternational.com/dustpro-1500-iq](http://bofainternational.com/dustpro-1500-iq)



# MECHANICAL ENGINEERING DUST EXTRACTION

DustPRO range



## Mobile FumeKART

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, mold spores, solvent 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** CE

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

Airflow/Pressure 380m<sup>3</sup>/hr / 100mbar  
223cfm / 100mbar

Technology



**Datasheet download**

[bofainternational.com/mobile-fumekart](http://bofainternational.com/mobile-fumekart)

## FILTER TECHNOLOGY

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

For more information visit [bofainternational.com/filters](http://bofainternational.com/filters)

## INLINE FILTERS

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

For more information, please see page 60-61.

## ACCESSORIES

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

For more information, see page 58; contact your sales representative; or visit [bofainternational.com/accessories](http://bofainternational.com/accessories)

## HOW TO BUY BOFA

*Go to page 10 to view our different buying options.*

OUR LEADING  
TECHNOLOGY



iQ2  
Intelligent (iQ2)  
Operating System



iQ  
Intelligent (iQ)  
Operating System



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 75	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 (90-257V) for global use				✓	✓					
	Digital speed control				✓	✓				✓	
	Automatic flow control system						✓	✓	✓		
	Brushless motor	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	Filter blocked indicator			✓	✓	✓	✓	✓	✓	✓	
	HEPA filter technology			✓	✓	✓	✓	✓	✓	✓	
	Reserve flow air technology						✓	✓	✓		
	Intelligent (iQ) Operating System						✓	✓	✓		
	Patented technology						✓	✓	✓		
	CE	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	UL					✓	✓	✓	✓		
	cUL					✓	✓	✓	✓		
	SureCHECK quality standard	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	ProTECT	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	OPTIONAL FEATURES	Remote stop/ start interface		✓	✓	✓	✓	✓	✓	✓	
		Filter change/ system fail signal		✓		✓	✓	✓	✓	✓	
		Onboard compressor						✓	✓		
Larger silencing inlet/ outlet boxes							✓	✓	✓		
Variety of arms/hoods										✓	



**RFA**  
Reverse flow air technology



**AFC**  
Automatic flow control technology



**SFT**  
SMART filter technology



**MVS**  
Multi voltage sensing unit



**PATENTED**  
Patented technology



**SureCHECK**  
SureCHECK quality standard



**PROTECT**  
ProTECT service plan