

# WHY USE AN INDUSTRIAL VACUUM?

Industrial vacuum cleaners are meticulously engineered to meet the demanding requirements of the modern manufacturing industry. With a focus on efficiency, safety, and sustainability, these advanced machines play a vital role in collecting unused powder during various additive manufacturing processes.





# **CLEAN AND REUSE**



### FAST AND EFFICIENT CLEANIN

of the printer and its sorroundings



### UNUSED POWDER RECOVER

for cost-saving on repurchase



### PREVENT EXPLOSION RISK

safety systems engineered to neutralize explosive powders



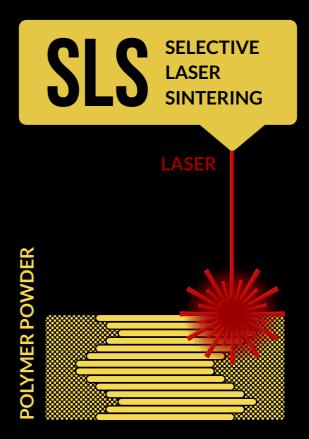




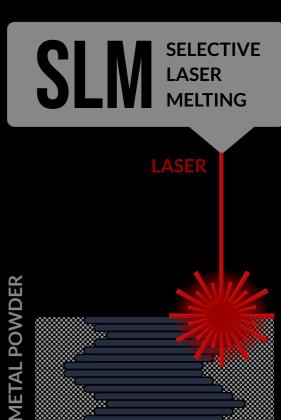


# POWDER BED FUSION SOLUTIONS

# **FOR POLYMERS**



# **FOR METALS**



# HOW TO CHOOSE







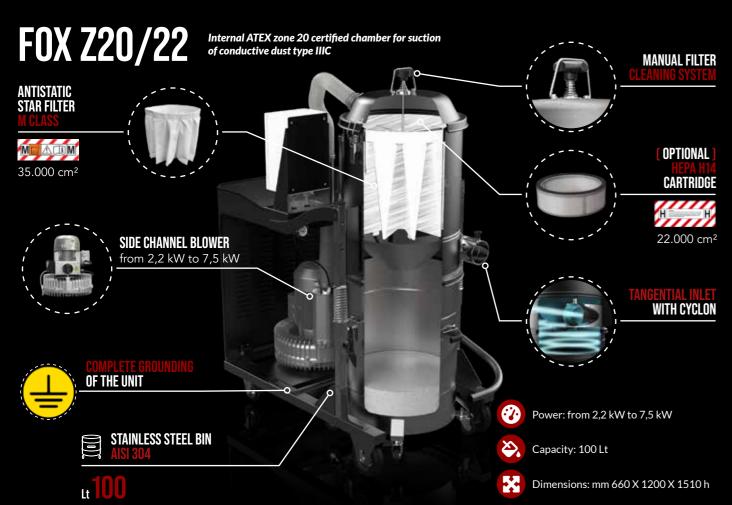
TB 18 AM	ECOBULL AM	FOX TS	DF 22	DF 40
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# HOW TO CHOOSE

# **POWDER RECOVERY**

3D printing powders are expensive ingredients. By collecting them in suitable equipment, such as stainless steel containers, it becomes possible to reuse the powders after an appropriate sieving process that filters out the recoverable particles.



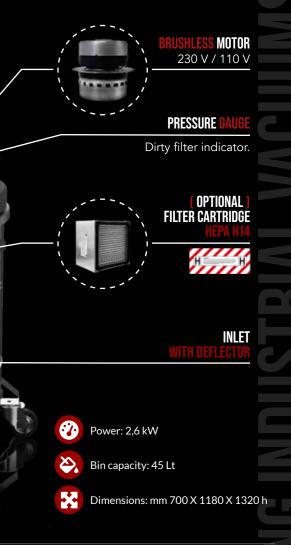




Compact and robust powder-coated steel pre-separator is a game-changer for industries seeking to optimize their cleaning processes. By effectively separating all the debris from the airflow and collecting up to 95% of dust prior to reach the main filter of the vacuum cleaner.

- Convenient collection of fine powders
- Maximum flexibility of use of the dust extraction system



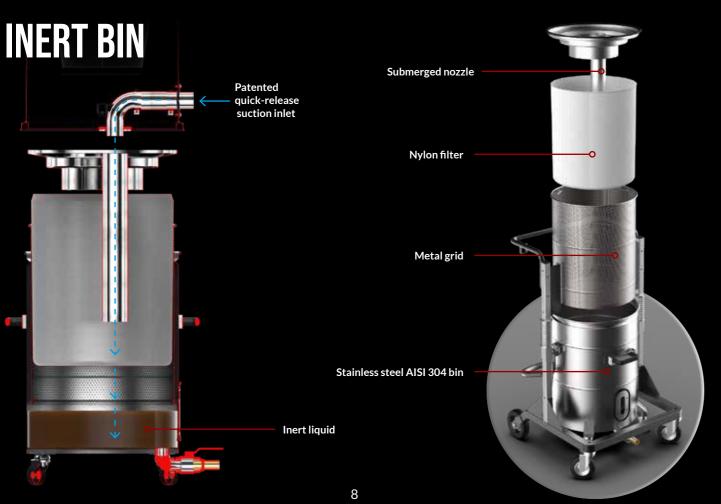


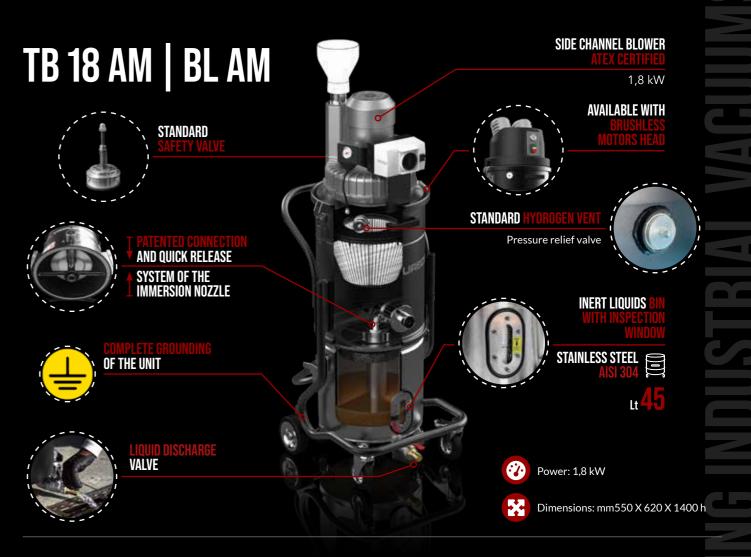


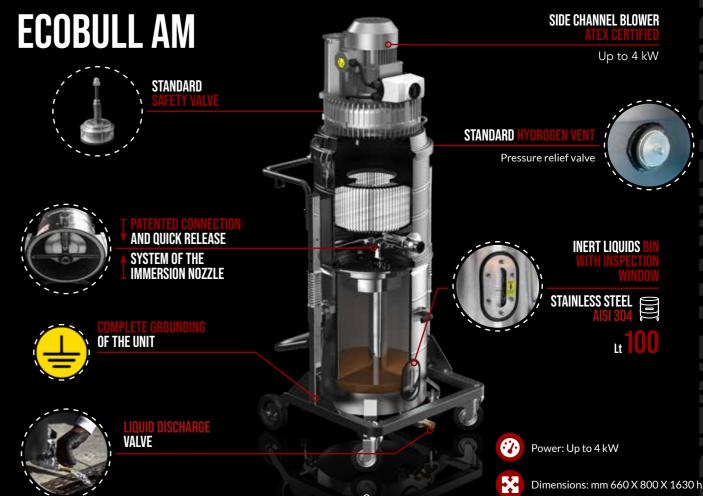
DUST











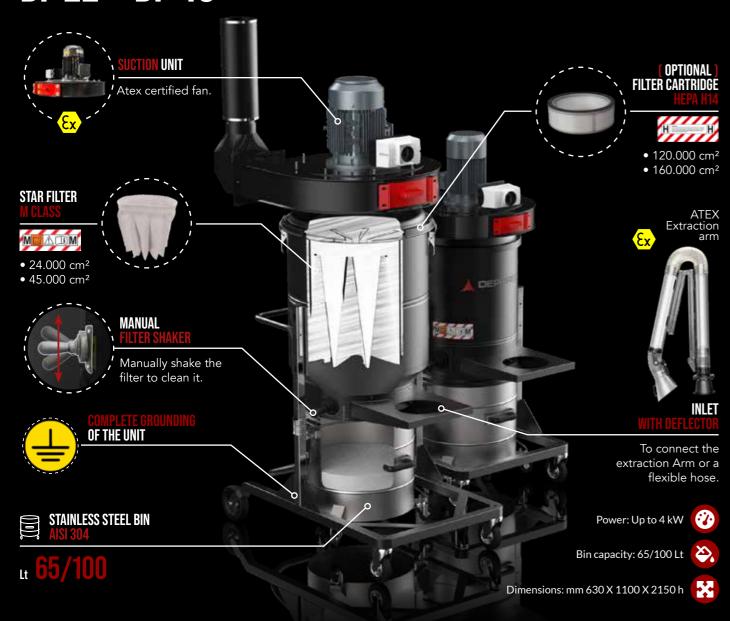
# HOW TO CHOOSE

# **POST-PROCESSING**

Dust collectors play a crucial role in post-processing, offering an effective solution to clean printed parts and significantly enhance the overall quality of the final products.



# DF 22 + DF 40



# HOW TO CHOOSE **CENTRALIZED VACUUM SYSTEMS**

Optimize the cleaning and maintenance of multiple 3D printers by utilizing centralized vacuum systems, efficiently collecting debris in one container. Simplify post-processing tasks, enhance productivity, and maintain a cleaner work environment effortlessly.



with ATEX certified





ALL VACUUMED



# ACCESSORIES



# **INTUITIVE ACCESSORIES CONNECTIONS**

## **ACCESSORIES KIT**



P13641

P12378

Antistatic Starter kit

P13642

P12377

40 mm

Antistatic kit Pro

# **CONNECTIONS**



P12302

Rubber sleeve for 40/50 mm "EVA" hoses

Rubber sleeve for 40/50 mm "PUR" hoses



P12334/100

P12334

P12316

P12317

100 mm

160 mm

40 mm

50 mm

"EVA"

conductive hose

"S" Handgrip for

Antistatic floor brush

with brass bristles

floor brush

Connection for ATEX extraction arm

# **FINAL ACCESSORIES**



P11841/40

P12301

40 mm "PUR"

P11841/50 50 mm

conductive hose

Antistatic rubber

Antistastic brush

with brass bristles

12

conic nozzle



40 mm

50 mm

50 mm

Antistatic Flat pipe



P10475

P10415

P00301

P11495 40 mm

P11496 50 mm



P13600/EX

P00649

40 mm PVC Flat pipe

P00640/A

50 mm

P13597/EX

P01042/EX 50 mm

# TECHNICAL DATA











Technical data	Units	BL PRO	FOX	BLAM	TB 18 AM	ECOBULL AM M   T   PLUS
ATEX marking		II3D Ex htc IIIB T140°C DC	II 1/3D Ex htc IIIC T140°C Da/Dc	II3GD Ex tD IIIC T135°C DC		
Code		A1250	A115   A221   A165   A231	A1360	A962	A1084   A1086   A1088
Motor type		Brushless motor	Side Channel Blower	Brushless motor	Side Channel Blower	Side Channel Blower
Power	kW	1,1 - 1,5	2,2-4-5,5-7,5	1,1	1,8	1,8 - 3 - 4
Voltage   Frequency	V Hz	110/230   50-60	400   50-60	400   50-60	400   50-60	230 - 400 - 400   50-60
IP   Insulation class				65   F	65 F	55 F-65 F-65 F
Continuous vacuum	mBar	230	200 - 230 - 240 - 280	230	180	180 - 240 - 230
Max air flow	m³/h	220	320 - 450 - 550 - 550	220	280	280 - 350 - 450
Overpressure valve			Included	Included	Included	Included
Suction inlet	Ømm	50	80	50	50	50
Capacity	Lt	45	100	45	45	65/100
Liquid filter				Polypropylene150µ	Polypropylene150µ	Polypropylene150µ
Powder separation				Metal grid	Metal grid	Metal grid
Spark trap filter				Metal mesh filter	Metal mesh filter	Metal mesh filter
Discharge valve				Included	Included	Included
Dimensions	mm	516 X 545 X 1050 h	660 X 1200 X 1510 h	516 X 545 X 1303 h	550 X 620 X 1400 h	660 X 800 X 1630 h
Weight	Kg	38	142 - 257 - 177 - 242	50	50	95 - 120 - 120
Primary filter	10.00		<b>经验的</b>	NATURE OF THE PARTY OF THE PART	Service Service Service	
Type - Polyester		M Class Antistatic filter	M Class Antistatic filter	M Class Antistatic star filter		
Filtering surface	cm²	6.000	24.000	15.000	15.000	
Optional filter						
Type - Glass fiber		H14 cartridge	H14 cartridge	H14 conical cartridge	H14 conical cartridge	H13 conical cartridge
Filtering surface	cm²		28.000	22.000	22.000	35.000











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Technical data	Units	DF 22 Z22	DF 40 Z22
ATEX marking		II3GDExhtcIIII	3 T140°C GcDc
Code		A1096	A1103
Motor type		Electic fan	Electric fan
Power	kW-HP	2,2 - 3	4 - 5,5
Voltage   Frequency	V   Hz	400   50-60	400   50-60
IP   Insulation class		55 F	55 F
Max vacuum	mBar	352   350   350	370   340   270
Static depression	mBar	340   320   280	300   270   200
Max air flow	m³/h	800   1000   1400	1500   2100   2700
Suction inlet	Ømm	^ 100   120   150 ^	^ 150   180   200 ^
Capacity	Lt	65/100	65/100
Dimensions	mm	660 X 800 X 1630 h	630 X 1100 X 2150 h
Weight	Kg	80	145
Primary filter			
Type - Polyester		M Class Antistatic star filter	
Filtering surface	cm²	24.000	45.000
Optional filter			
Type - Glass fiber		H13 conical cartridge	H13 conical cartridge
Filtering surface	cm²	120.000	160.000

chnical data	Units	CYCLONIC PRESEPARATOR	INERT PRESEPARATOR
ode		P13821 P13935 P13936	P11827
verpressure valve			Included
ıction inlet	Ø mm	50	50
apacity	Lt	45   65   100	100
quid filter			Polypropylene150µ
owder separation			Metal grid
oark trap filter			Metal mesh filter
scharge valve			Included

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# DEPURECO SOLUTIONS FOR METALWORKING INITION

# **C.** METALWORKING

Highly efficient, large collection and costeffective solutions for keeping workspaces clean and safe.

### **G.** WAREHOUSE

Versatile and effective solutions for general cleaning or overhead applications offer powerful suction and filtration capabilities to maintain clean and safe workspaces.

# B. ADDITIVE MANUFACTURING

Industrial Vacuum Systems are essential for post-processing operations and maintenance, ensuring high-quality production and reducing the risk of equipment damage.

# A. CNC ROOM

Industrial Vacuum Systems for CNC machinery applications, providing efficient and reliable removal of oil, coolant and oil mists to maintain optimal operating and environment conditions, extending the lifespan of the equipment.

# D. SANDBLASTING

Solutions providing efficient recovery of sand or steel grit, improving safety and effectiveness of the processes.

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# WELDING

Solutions to effectively capture and remove hazardous welding fumes and particulates, promoting a safer and healthier work environment.

# INDUSTRIAL PAINTING

Vacuum solutions providing effective removal of overspray, dust, and debris, resulting in highquality finishes and reduced contamination, ensuring a safe and healthy work environment.

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