

WOOD LINE

HI-TECH VACUUM







FIRE EXHAUST FANS

In case of potentially flammable wood powders or any risk factors for the environment and for operators, iVision has developed its own cutting-edge Fire-extinguishing system, ready to protect the operators at the slightest hint of danger.

The system can be activated manually by the operator or recognise a fire through dedicated sensors and extinguish it.

A glass Window is part of the external structure around the filtering unit. The advantages are the following ones:

- Operator can easily check the presence of fire or fumes inside the machine.
- Operator can evaluate the filling level of the chip container.
- Operator can see the filter level of tidiness.

In order to make the working environment and the industry operators even safer, ATEX certified exhaust fans are also available.

PIPINGS AND FITTINGS

iVision has a wide range of pipes and fittings of the highest quality in order to facilitate the sliding of swarf and sawdust powder in the most suitable way.

The most important distinctive features are:

- · Easy assembly.
- · Very low maintenance.
- · High abrasion resistance.
- · Wide range of choice of various diameters.
- · Low friction coefficient.







CONTAINER FOR SWARF AND SAWDUST

Containers can be of various sizes and shapes, from smaller models that are easily removable from the central unit to large silos of great capacity equipped with base.

Where required, cyclone pre-filters that help decisively toextend the life of the filters are provided.

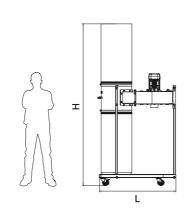


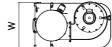
QUALITY MADE IN ITALY

The iV1 Line includes single bag suction devices. These suction devices are mainly intended for collecting wood chips and are developed to be coupled with combined machines, circular saws, thickness and flush planners, honing machines or calibrators and cutting-off machines. The use of anti-perforation PVC bags facilitates the collection of chips and of all extracted material. The study and the design research, the sturdy materials and the simple and practical design are characteristics of a product entirely made in Italy, a real guarantee on the industrial market.

CUSTOMIZATION

All models are designed, created and assembled according to the specific business needs of our customers and are designed to work alongside operators and machine tools.







- · container capacity 47,55 gal/180 Lt
- high flow rate centrifugal fans with up to 2531 CFM/4,300 m3/h
- · high working performance with heavy duty cycle
- · made-in-Italy design and assembling
 - structure completely made of steel
 - robust and ergonomic handle to move the vacuum cleaner in a practical and fast
- powder coated frame
- great suction efficiency
- adaptable capacity and dimensions of suction inlets
- available with "L" "M" filtering classes
- integrated pneumatic filter cleaning system (as option)
- optional remote start control
- non-marking wheels with parking brake



WOOD		iV1 1.5 180 2300	iV1 2.4 48 1354	iV1 2.2 180 3000	iV1 3.5 48 1766	iV1 4 180 4300	iV1 6.4 48 2531	
FREQUENCY	HZ		50	60	50	60	50	60
DOWER	KW		1.5	1.8	2.2	2.6	4	4.8
POWER	HP		2	2.4	3	3.5	5	6.5
VOLTAGE	V		customizable	customizable	customizable	customizable	customizable	customizable
	mm H	20	255	255	286	286	306	306
WATER LIFT MAX	mbar		25	25	28	28	30	30
	PSI		0.36	0.36	0.4	0.4	0.43	0.43
	m3/h		2300	2300	3000	3000	4300	4300
AIR FLOW MAX	CFM		1354	1354	1766	1766	2531	2531
INLET	N°		to define					
	Ø mm		to define					
SUCTION INLET	Ø inch	ı	to define					
	Lt		1 x 180					
VOLUME	gal		47.55	47.55	47.55	47.55	47.55	47.55
DIMENSIONS	cm	H L W	248 119 72	248 119 72	248 119 72	248 119 72	248 119 72	248 119 72
DIMENSIONS	ft	H L W	8.13 3.90 2.36	8.13 3.90 2.36	8.13 3.90 2.36	8.13 3.90 2.36	8.13 3.90 2.36	8.13 3.90 2.36
WEIGHT	kg		95	95	95	95	95	95
	lbs		209	209	209	209	209	209

QUALITY MADE IN ITALY

The iV1 Line includes double bag suction devices. These suction devices are mainly intended for collecting wood chips and are developed to be coupled with combined machines, circular saws, thickness and flush planners, honing machines or calibrators and cutting-off machines. The use of anti-perforation PVC bags facilitates the collection of chips and of all extracted material. The study and the design research, the sturdy materials and the simple and practical design are characteristics of a product entirely made in Italy, a real guarantee on the industrial market.

CUSTOMIZATION

All models are designed, created and assembled according to the



- · container capacity 190.2 gal/360 Lt (95.1 gal/160 Lt for each bag)
- high flow rate centrifugal fans with up to 2531 CFM/4,300 m3/h
- high working performance with heavy duty cycle
- made-in-Italy design and assembling
- structure completely made of steel
- robust and ergonomic handle to move the vacuum cleaner in a practical and fast
- powder coated frame
- great suction efficiency
- adaptable capacity and dimensions of suction
- available with "L" "M" filtering classes
- integrated pneumatic filter cleaning system (as
- optional remote start control
- non-marking wheels with parking brake



WOOD		iV1 2.2 360 3000	iV1 3.5 95 1766	iV1 4 360 4300	iV1 6.4 95 2531
FREQUENCY	HZ	50	60	50	60
DOWER	KW	2.2	2.6	4	4.8
POWER	HP	3	3.5	5	6.5
VOLTAGE	V	customizable	customizable	customizable	customizable
	mm H2O	286	286	306	306
WATER LIFT MAX	mbar	28	28	30	30
	PSI	0.4	0.4	0.43	0.43
AID ELOWANAY	m3/h	3000	3000	4300	4300
AIR FLOW MAX	CFM	1766	1766	2531	2531
INLET	N°	to define	to define	to define	to define
	Ø mm	to define	to define	to define	to define
SUCTION INLET	Ø inch	to define	to define	to define	to define
	Lt	2 x 180	2 x 180	2 x 180	2 x 180
VOLUME	gal	95.10	95.10	95.10	95.10
	H cm L W	248 172 74	248 172 74	248 172 74	248 172 74
DIMENSIONS	H ft L W	8.13 5.58 2.43	8.13 5.58 2.43	8.13 5.58 2.43	8.13 5.58 2.43
WEIGHT	kg	130	130	140	140
WEIGHT	lbs	286	286	308	308

QUALITY MADE IN ITALY

The movable iV2, ideal for generic cleaning of the working atmosphere, has been developed to work side by side to the machine tool.

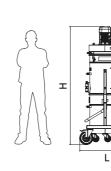
The use of the double handle has been carefully studied. Both handles have been positioned in such a way as to allow, on the one hand, the operator to easily operate the complete vacuum cleaner and, on the other hand, to nimbly extract the lower scrap container.

The study and the design research, the sturdy materials and the simple and practical design are characteristics of a product made entirely in Italy, a real guarantee on the industrial market.

CUSTOMIZATION

All models are designed, created and assembled according to the specific businesses needs of our customers and are designed to work alongside operators and machine tools.

Our vacuum cleaners are also available with ATEX-zone 22 for potentially explosive atmospheres.









SPECIFIC CHARACTERISTICS

- · container capacity 26,42 gal/100 Lt
- centrifugal fan with up to 824 CMF/1400 m3/h flow rate
- · high working performance with heavy duty cycle
- · made-in-Italy design and assembling
- structure completely made of steel
- powder coated frame
- quick release container
- robust and ergonomic handle to move the vacuum cleaner easily
- equipped with accessory hook
- available with "L" "M" "H" filtering classes
- · integrated pneumatic filter cleaning system
- optional remote start control
- visual filling indicator
- non-marking wheels with parking brake



WOOD		iV2 1.5 100 1200	iV2 2.4 26 706	iV2 2.2 100 1400	iV2 3.5 26 824	
FREQUENCY	HZ		50	60	50	60
	KW		1.5	1.8	2.2	2.6
POWER	HP		2	2.4	2.7	3.5
VOLTAGE	V		customizable	customizable	customizable	customizable
	mm H2	20	255	255	306	306
WATER LIFT MAX	mbar		25	25	30	30
	PSI		0.36	0.36	0.43	0.43
	m3/h		1200	1200	1400	1400
AIR FLOW MAX	CFM		706	706	824	824
INLET	N°		1	1	1	1
	Ø mm		100	100	100	100
SUCTION INLET	Ø inch		4	4	4	4
	Lt		100	100	100	100
VOLUME	gal		26.42	26.42	26.42	26.42
	cm	H L	181 73	181 73	152 73	152 73
	Cili	W	80	80	104	104
DIMENSIONS		Н	5.93	5.93	4.98	4.98
	ft	L	2.40	2.40	2.40	2.40
		W	2.62	2.62	3.41	3.41
WEIGHT	kg		100	100	100	100
WEIGHT	lbs		220.46	220.46	220.46	220.46



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i V3

QUALITY MADE IN ITALY

The vacuum cleaners iV3 is one of iVision most performing items. It is used to clean the work environment or, better, to be coupled with your tool machine.

The study and the design research, the sturdy materials and the simple and practical design are characteristics of a product made entirely in Italy, a real guarantee on the industrial market.

CUSTOMIZATION

All models are designed, created and assembled according to the specific business needs of our customers and are designed to work alongside operators and machine tools.

Our vacuum cleaners are optionally also available with a certification of compliance with ATEX-zone 22 requirements.





- · container capacity 42,27 gal/160 Lt
- high-flow centrifugal fan with up to 2060 CFM/3.500 m3/h of flow rate
- high working performance with heavy duty cycle
- · made-in-Italy design and assembling
- structure completely made of steel
- powder coated frame
- quick release container
- robust and ergonomic handle to move the vacuum cleaner easily
- great suction efficiency
- adaptable capacity and dimensions of suction inlets
- equipped with accessory hook
- · available with "L" "M" "H" filtering classes
- integrated pneumatic filter cleaning system
- optional remote start control
- · visual filling indicator
- · non-marking wheels with parking brake



WOOD		iV3 2.2 160 1400	iV3 3.5 42 824	iV3 3 160 3500	iV3 4.8 42 2060
FREQUENCY	HZ	50	60	50	60
DOWER	KW	2.2	2.6	3	3.6
POWER	HP	3	3.5	4	4.8
VOLTAGE	V	customizable	customizable	customizable	customizable
	mm H2O	306	306	286	286
WATER LIFT MAX	mbar	30	30	28	28
	PSI	0.43	0.43	0.4	0.4
	m3/h	1400	1400	3500	3500
AIR FLOW MAX	CFM	824	824	2060	2060
INLET	N°	2	2	2	2
	Ø mm	100	100	160	160
SUCTION INLET	Ø inch	4	4	6.2	6.2
	Lt	160	160	160	160
VOLUME	gal	42.27	42.27	42.27	42.27
DIMENSIONS	H cm L W	203 84 91	203 84 91	180 84 135	180 84 135
DIMENSIONS	H ft L W	6.66 2.75 2.98	6.66 2.75 2.98	5.9 2.75 4.42	5.9 2.75 4.42
	kg	125	125	180	180
WEIGHT	lbs	275	275	396	396

QUALITY MADE IN ITALY

The iV4 Line is part of iVision's most performing items. It is used to clean the work environment in the woodworking industry. The study and the design research, the sturdy materials and the simple and practical design, are features of a product entirely made in Italy, a real guarantee on the industrial market.

CUSTOMIZATION

The iV4 Line can be equipped with several accessories, which facilitate working within large manufacturing industries and guarantee the highest safety standards. All models are designed, created and assembled according to the specific business needs of our customers and are designed to work alongside operators and machine tools. Our vacuum cleaners are optionally also available with ATEX-zone 22 conformity.



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- · container capacity 42,27 gal/160 Lt
- · centrifugal fan with high flow rate up to 1177 CFM/2000 m3/h
- · high working performance with heavy duty cycle
- · design and assembling made in italy
- quick release container
- available with "L" "M" filtering class
- pneumatic filter cleaning system
- · optional remote start control
- non-marking wheels with parking break
- $\cdot \quad \text{ optional fire protection systems} \\$
- glass panel for filter monitoring
- integrated electrical panel
- the chamber for the centrifugal fan is silenced with soundproofing material
- the exhaust air can be canalized outside the building



WOOD		iV4 2.2 160 1600	iV4 3.5 42 942	iV4 3.0 160 2000	iV4 4.8 42 1177
FREQUENCY	HZ	50	60	50	60
DOWED	KW	2.2	2.6	3.0	3.6
POWER	HP	3.0	3.5	4.0	4.8
VOLTAGE	V	customizable	customizable	customizable	customizable
	mm H2O	275	275	275	275
WATER LIFT MAX	mbar	27	27	27	27
	PSI	0.42	0.42	0.42	0.42
AID ELOWANAY	m3/h	1600	1600	2000	2000
AIR FLOW MAX	CFM	942	942	1177	1177
INLET	N°	1	1	1	1
	Ø mm	140	140	160	160
SUCTION INLET	Ø inch	5.5	5.5	6.3	6.3
	Lt	160	160	160	160
VOLUME	gal	42.27	42.27	42.27	42.27
DIMENSIONS	H cm L W	210 170 95	210 170 95	210 170 95	210 170 95
DIMENSIONS	H ft L W	6.89 5.57 3.11	6.89 5.57 3.11	6.89 5.57 3.11	6.89 5.57 3.11
WEIGHT	kg	310	310	340	340
WEIGHT	lbs	683.4	683.4	749.5	749.5

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- · container capacity 84 gal/320 Lt
- centrifugal fan with high flow rate up to 2972 CFM/5.050 m3/h
- · high working performance with heavy duty cycle
- · design and assembling made in italy
- quick release container
- available with "L" "M" filtering class
- pneumatic filter cleaning system
- optional remote start control
- non-marking wheels with parking break
- $\cdot \quad \text{ optional fire protection systems} \\$
- glass panel for filter monitoring
- · integrated electrical panel
- the chamber for the centrifugal fan is silenced with soundproofing material
- the exhaust air can be canalized outside the building



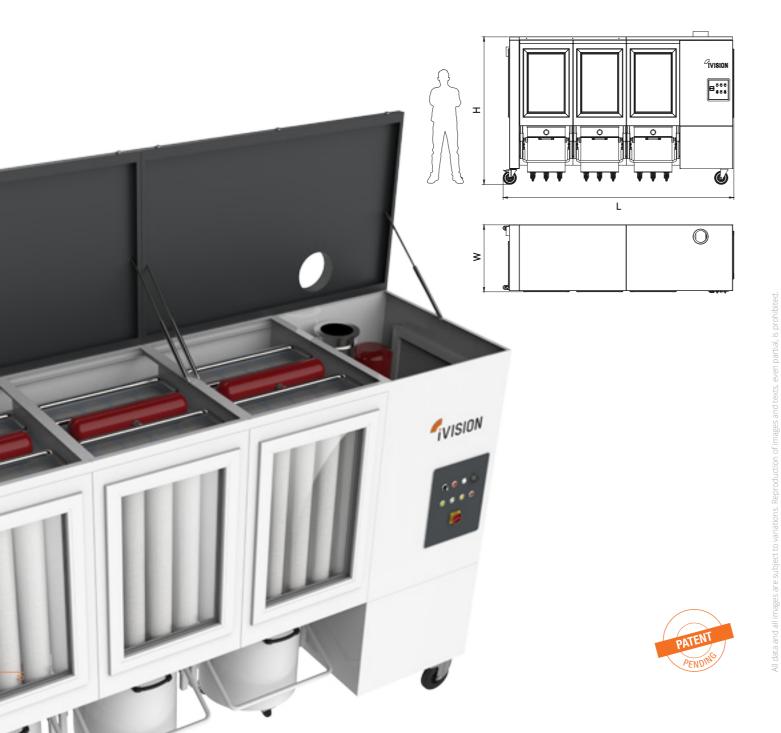
WOOD		iV4 4.0 320 3200	iV4 6.4 84 1883	iV4 5.5 320 5050	iV4 8.8 84 2972
FREQUENCY	HZ	50	60	50	60
	KW	4.0	4.8	5.5	6.6
POWER	HP	5.4	6.4	7.4	8.8
VOLTAGE	V	customizable	customizable	customizable	customizable
	mm H2O	275.3	275.3	265	265
WATER LIFT MAX	mbar	23	23	26	26
	PSI	0.33	0.33	0.38	0.38
	m3/h	3200	3200	5050	5050
AIR FLOW MAX	CFM	1883	1883	2972	2972
INLET	N°	1	1	1	1
	Ø mm	200	200	250	250
SUCTION INLET	Ø inch	7.8	7.8	9.8	9.8
	Lt	320	320	320	320
VOLUME	gal	84	84	84	84
DIMENSIONS	H cm L W	225 242 102	225 242 102	225 242 102	225 242 102
	H ft L W	7.38 7.93 3.34	7.38 7.93 3.34	7.38 7.93 3.34	7.38 7.93 3.34
WEIGHT	kg	450	450	740	740
WEIGHT	lbs	992	992	1631	1631

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- · container capacity 126.8 gal/480 Lt
- centrifugal fan with high flow rate up to 4708
 CFM/8.000 m3/h
- · high working performance with heavy duty cycle
- · design and assembling made in italy
- quick release container
- available with "L" "M" filtering class
- pneumatic filter cleaning system
- optional remote start control
- non-marking wheels with parking break
- optional fire protection systems
- glass panel for filter monitoring
- · integrated electrical panel
- the chamber for the centrifugal fan is silenced with soundproofing material
- the exhaust air can be canalized outside the building



WOOD		iV4 7.5 480 6000	iV4 12 127 3531	iV4 11 480 8000	iV4 18 127 4708
FREQUENCY	HZ	50	60	50	60
2011/52	KW	7.5	9.0	11.0	13.2
POWER	HP	10.0	12.0	14.7	17.7
VOLTAGE	V	customizable	customizable	customizable	customizable
	mm H2O	255	255	295	295
WATER LIFT MAX	mbar	25	25	29	29
	PSI	0.36	0.36	0.42	0.42
AIR FLOW MAX	m3/h	6000	6000	8000	8000
	CFM	3531	3531	4708	4708
INLET	N°	1	1	2	2
	Ø mm	300	300	250	250
SUCTION INLET	Ø inch	11.8	11.8	9.84	9.84
	Lt	480	480	480	480
VOLUME	gal	126.8	126.8	126.8	126.8
DIMENSIONS	H cm L W	224 308 105	224 308 105	224 308 105	224 308 105
	H ft L W	7.34 10.10 3.44	7.34 10.10 3.44	7.34 10.10 3.44	7.34 10.10 3.44
WEIGHT	kg	940	940	1060	1060
WEIGHT	lbs	2072	2072	2336	2336



TOUCH SCREEN HI-TECH VACUUM



HUMAN MACHINE INTERFACE

The vacuum cleaner is equipped with a screen on the front. It makes it possible for the operator to quickly and easily keep the filter condition under control. Even at 10 meters away from the extractor, the operator is able to take a glance at the status of the filter thus recognizing deterioration in real time and realizing the actual effectiveness of the vacuum cleaner. With one touch you can then start the filter cleaning (in manual or automatic mode), and also manage the remote Start&Stop option of the vacuum through the machine.

When the filter is completely clogged with dirt, this system will warn the operator of the need to change the filter, with:

- An audible signal.
- A visual signal.

On the round screen you can find:

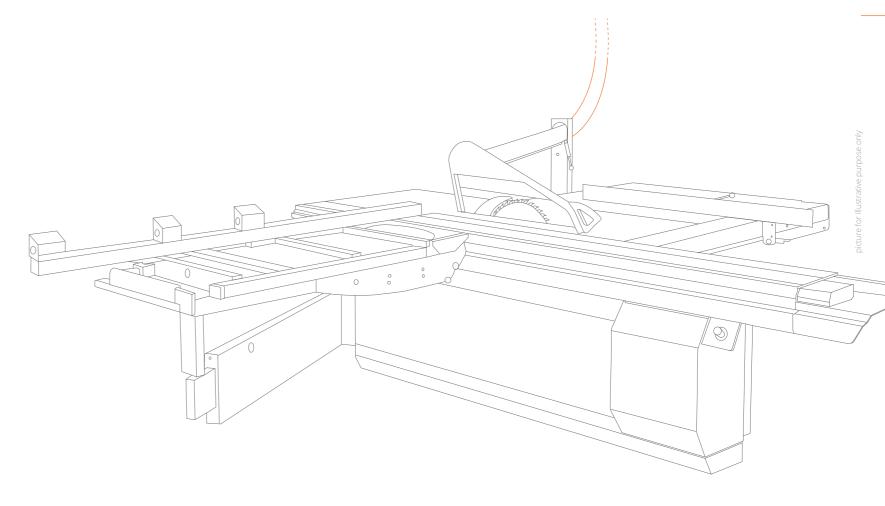
Scale-LED: it shows the level of dirtiness that the filter has reached. The measurement is made in a scientific and non-empirical manner through a sophisticated system of sensors controlled by a PLC exclusively for this purpose.

- Manual ON/OFF: allows you to simply start the vacuum system with the simple touch of your finger.
- Automatic ON/OFF: if you select this icon, the motor is switched on/off directly from the machine.
 - Automatic Filter Cleaning: control to select "automatic filter cleaning system" an electric contact enables the cleaning of the filter in a completely automatic and programmed manner
- Semiautomatic Filter Cleaning: control to select "filter manual cleaning" it is used to clean the filter immediately.





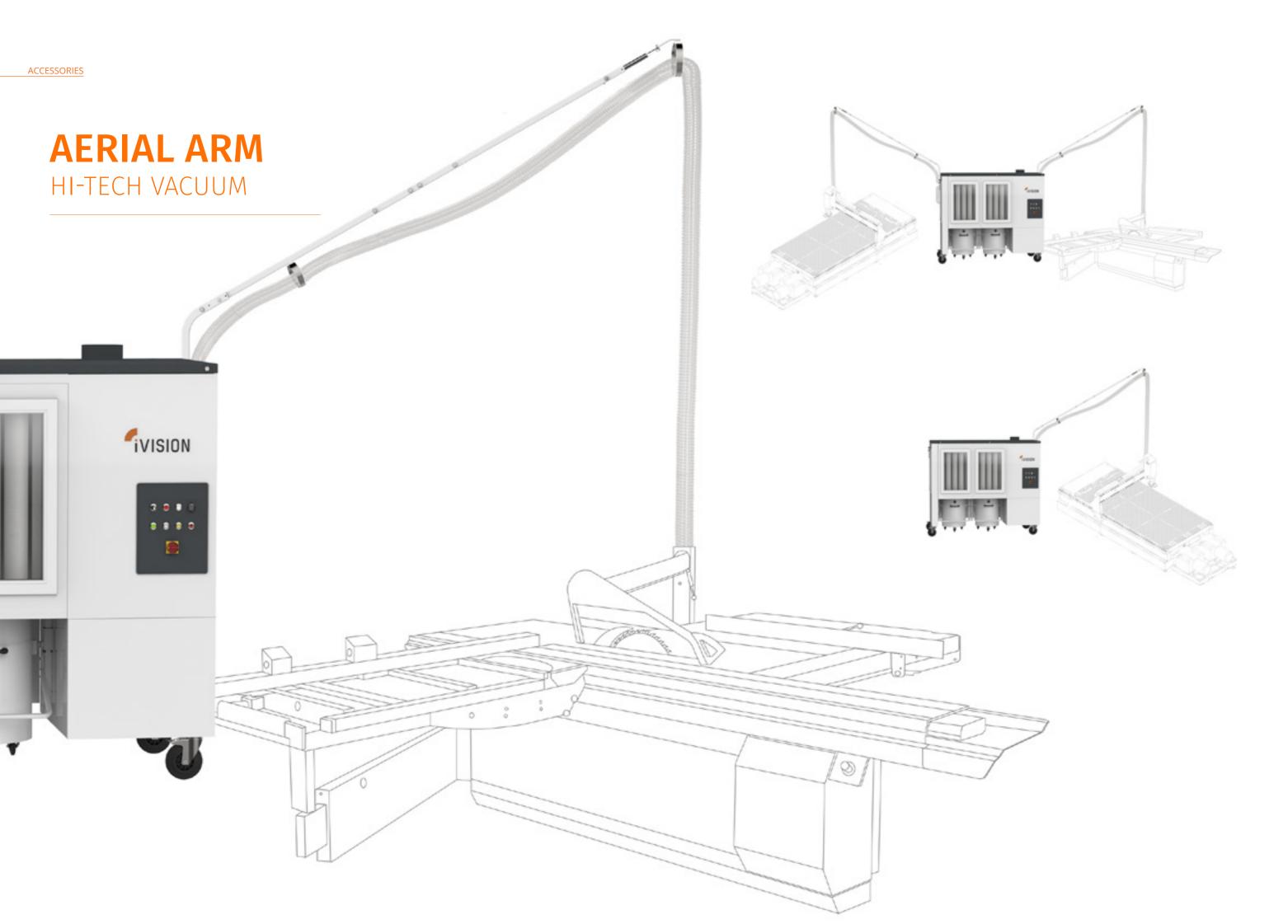
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The aerial arm is highly recommended for every CNC panel router. The use of this system reduces the risk of accidents due to the obstruction of the tube on the work surface. Some advantages are:

- Easy mounting on the vacuum cleaner without having to make any changes to the CNC machine.
- It allows positioning and lowering the hose exactly in the center of the panel router, without any external support. Also the moment and curvature are minimized.
- By reducing curvatures, also air flow losses get reduced, thereby allowing for a more efficient chip extraction.
- For machine manufacturers: As the hose is coming from the top, it is not necessary to calculate weights and sizes on the moving bridge (gantry) of the machine. This is also a money saving issue in the construction of the CNC panel router itself.
- You do not need to design any special ducts when developing the CNC machine.





CYCLONIC PREFILTER

HI-TECH VACUUM

Strongly recommended whenever possible, it is connected upstream of the vacuum as the first point of collection of the sucked material.

Specially used to preserve the life of the filter inside the vacuum unit.

It retains most sucked material, can have a conical or cylindrical shape and serves as a mechanical filter.

Through a tangential entry the sucked material is centrifuged in its interior until its speed gradually decreases and the material gradually falls to the bottom of the collecting unit due to force of gravity.

Such a process ensures that only a relatively low percentage of sucked dust or chips manages to actually reach the real filter positioned in the upper part of the vacuum cleaner.

The cyclonic pre-filter becomes almost mandatory for fine or very fine powders which are likely to clog the filter quickly compromising the smooth operation of the entire system, but only advisable for large, heavy chips.

The main advantage of the cyclonic pre-cleaner is to protect the filter of the vacuum cleaner from quickly clogging, thus extending its life before replacement and significantly reducing the maintenance of the entire system.







1000 Lt 264 gal

GATE CLOSURE HI-TECH VACUUM

All adapters can be equipped with a gate for closing the various outlets allowing the operator to choose whether to work with one, two or more hoses simultaneously. The gates can be: manual (operated manually by operators) or pneumatic (handled automatically by machines or by operators remotely via a foot pedal) In case of need, one suction nozzle can be made more efficient by just closing the other (when present) on the central unit.



FIRE-EXTINGUISHING SYSTEM

HI-TECH VACUUM

For the event that hopefully never occurs, in order to avoid any risk factors for the environment and especially for the operators, iVision has developed its own cutting-edge fire-extinguishing system, ready to protect the operators at the slightest hint of danger.

The system can be activated manually by the operator or recognise a fire through dedicated early smoke detecting sensors and extinguish it.





THE IVISION HEALTH SAFETY SOLUTION

CREATED FOR YOU

12680 gal/48000 Lt in 8 hour work-day means about 26,4 gpm/ 100Lt/min: this is the quantity of air a worker breathes. The two main ways harmful substances produced during the working of materials

are absorbed into the body are through the lungs and skin. Less oxygen means more physical exertion and an elevated risk of mishaps and illnesses specific to this type of working environment.









WHY CHOOSE IVISION?

The high degree of technologic innovation of our vacuums, the continuous attention to the health of the workers, the planning of specifically optimized series for every category of material and every type of work, the possibility of creating ventilation systems that trasfer polluted air outside of the working environment, are what make the iVision series the best partner for your work, for today and for always.



THE ITALIAN VACUUM SOLUTION

iVision is a reference point in the sector of industrial vacuum cleaners and heavy duty industrial vacuums. In the course of a few years, iVision has managed to grow quickly and gain significant market shares all over the world.

iVision headquarters are located in Cattolica (Rimini) in Italy. All our products are 100% Made In Italy. Our innovative industrial vacuum cleaners have been used by facilities and plant maintenance personnel worldwide.

The sales network of Ivision srl is covering the whole world with agents and distributors and the share of exports of iVision vacuum cleaners in Europe, America, Asia and even Australia has been growing constantly

ivision is naturally oriented to the export which takes at the moment about 80% of the total production.



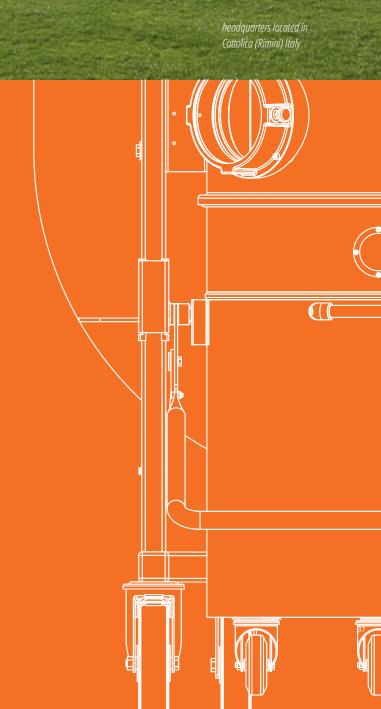


Hard work, professionalism, passion, research and, last but not least: huge investments and the unique capability for analysing combined with an innovative spirit in the market segment of industrial vacuum cleaners. IVision is a customer-oriented company. Our Sales team together with the Technical and R&D department works constantly to understand and also anticipate the customers' requirements and wishes.

IVISION

WHY IVISION

IVision is considered by all its partners a company founded on strong values, such as respect for environment and people. We create long-term partnerships with agents, dealers, official distributors and also worldwide known OEMs, who understand the importance of establishing a win-win relationship with a competent and fair partner like IVision.





THE ITALIAN VACUUM SOLUTION

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