



SHOES LINE

HI-TECH VACUUM



© iVision Vacuum

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 **iVISION**[®]
ITALIAN VACUUM

INDUSTRIAL VACUUMS FOR SHOE MANUFACTURING

The incredibly high level of technology and the growing experience that has always characterized the company, iVision, have brought it to develop a new range of industrial vacuums with centrifuged fans, dedicated to the sector of shoe working. In particular, the vacuums of the Shoes line are perfectly suited for all machines that cut, brush, sand, or generally produce chips in large quantities that need to be cleaned.

The line dedicated to this sector is particularly versatile and complete; it includes vacuums for small offices to complex and powerful systems for large companies, offering our clients a large selection in order to satisfy every type of demand.



THE MOST INNOVATIVE VACUUMS FOR DUST

The shoes line was born after extensive experience in the shoe manufacturing business, including the processing of fabrics and leathers, in order to meet the growing needs of collecting dust generated during processing.

Every vacuum of the Shoes line is equipped with an M Class filter, a filter of high quality created specifically for the Shoes line that allows the retention of at least 99.9% of particles collected. Thanks to the innovations of the Shoes line, the maintenance of your machinery will be drastically reduced in terms of time and costs compared to traditional methods.

The main advantages of the Shoes line are:

- Automatic and semiautomatic filter cleaning
- Touch Screen in order to easily recognize the level of filter contamination
- Pneumatic gate closure with a pedal in order to work simultaneously with more machines
- Cyclonic pre-filter for the pre-separation of materials that allows further duration of the main filter life
- Possibility of remote control
- Large range of accessories dedicated to every need of the sector
- Anti-fire system purposely studied for this sector



VACUUMS FOR DUST DEDICATED TO THE SHOE MANUFACTURING BUSINESS



In order to meet your needs, the containers for chip collecting can be of various capacities. Starting from the smallest models, compact and manageable for quick and easy moving for emptying, to the biggest collection containers up to 2X160 Liters for the more heavy-duty work.

The entire Shoes range comes with high efficient, polyester M Class filters. In the vacuums with bigger dimensions the cyclonic pre-filter has the goal of elongating the life of the filter, reducing the cost of maintenance and at the same time, safeguarding the health of the operators.

iV1

QUALITY MADE IN ITALY

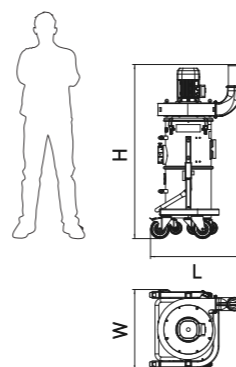
The vacuums of the iV1 Shoes line are the most compact of the iVision range. They are most often utilized together with small brushing or sanding machines that produce a low level of dust, or in general in all work environments in which little dust is produced.

The compact dimensions allow the operator to move with agility in tight spaces. The excellent performance of the centrifuge fans are fully exploited. The careful study of details, dedicated attention to design, the use of robust materials, and the creation of a simple, yet high-performing product are characteristics of a product entirely made and produced in Italy.

CUSTOMIZED PRODUCTS

Every model was imagined, created and mounted in order to meet the specific requests of every client, pointing especially to the creation of a product that can work side by side of the machine tool of every customer.

In order to make the work environment even safer for its operators, ATEX-certified vacuums for potentially explosive environments are also available.



STANDARD SUPPLY

- Centrifuge electric fans, high flow up to 1200 m³/h
- Visual filling indicator
- Continuous work cycle without maintenance
- Structure completely made of steel
- Anti-scuff, turning wheels with parking brake
- M Class polyester filter
- Container capacity 38 liters
- Rapid-release container opening
- Silencer to reduce the level of noise according to regulation
- Integrated pneumatic motor filter shaker

OPTIONALS

- Remote control
- PVC bags kit for collecting chips
- Cleaning kit for cleaning the machine after work
- Antistatic kit
- Automatic filter cleaning system



SHOES

iV1 - 1.5 - 38 - 1200

FREQUENCY	HZ	50
POWER	KW	1,5
VOLTAGE *	V	400
WATER LIFT MAX	mbar	25
AIR FLOW MAX	m ³ /h	1200
INLET	N°	1
SUCTION INLET	Ø mm	100
VOLUME	Lt	chips liquids 38
DIMENSIONS	cm	H 120
		L 60
		W 63
WEIGHT	kg	85

* Voltage variable at the request

iV2

QUALITY MADE IN ITALY

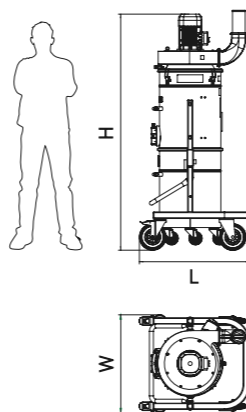
The iV2 vacuums of the Shoes line are the medium-sized models of the iVision range and are usually utilized together with medium-small machines in the world of shoe manufacturing or in general in all work environments in which dust is produced.

The compact dimensions allow the operator to move with agility in tight spaces. The excellent performance of the centrifuge fans are fully exploited. The careful study of details, dedicated attention to design, the use of robust materials, and the creation of a simple, yet high-performing product are characteristics of a product entirely made and produced in Italy.

CUSTOMIZED PRODUCTS

Every model was imagined, created and mounted in order to meet the specific requests of every client, pointing especially to the creation of a product that can work side by side of the machine tool of every customer.

In order to make the work environment even safer for its operators, ATEX-certified vacuums for potentially explosive environments are also available.



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STANDARD SUPPLY

- Centrifuge electric fans, high flow up to 1200 m³/h
- Visual filling indicator
- Continuous work cycle without maintenance
- Structure completely made of steel
- Anti-scuff, turning wheels with parking brake
- M Class polyester filter
- Container capacity 100 liters
- Rapid-release container opening
- Silencer to reduce the level of noise according to regulation
- Integrated pneumatic motor filter shaker

OPTIONALS

- Remote control
- PVC bags kit for collecting chips
- Cleaning kit for cleaning the machine after work
- Antistatic kit
- Cyclonic pre-filter
- Automatic filter cleaning system



picture for illustrative purpose only

SHOES

iV2 - 1.5 - 100 - 1200

FREQUENCY	HZ	50
POWER	KW	1,5
VOLTAGE *	V	400
WATER LIFT MAX	mbar	25
AIR FLOW MAX	m ³ /h	1200
INLET	N°	1
SUCTION INLET	Ø mm	100
VOLUME	Lt	chips liquids
DIMENSIONS	H	181
	L	80
	W	73
WEIGHT	kg	100

* Voltage variable at the request

iV3

QUALITY MADE IN ITALY

The iV3 vacuums of the Shoes line are the highest selling of the iVISION range and are often used together with sanders, brushing machines or in general work environments in which large quantities of chips and dust are produced.

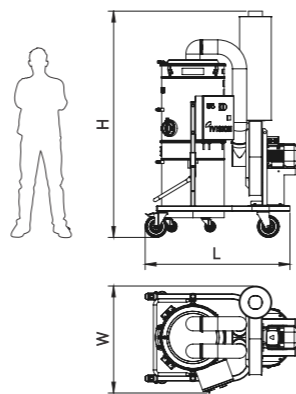
The iV3 vacuums are the highest-performing models of the iVISION range to work together with your machine tools.

The compact dimensions allow the operator to move with agility in tight spaces. The excellent performance of the centrifuge fans are fully exploited. The careful study of details, dedicated attention to design, the use of robust materials, and the creation of a simple, yet high-performing product are characteristics of a product entirely made and produced in Italy.

CUSTOMIZED PRODUCTS

The iV3 vacuums can come equipped with diverse accessories in order to facilitate the work in large manufacturing enterprises. Every model was imagined, created and mounted in order to meet the specific requests of every client, pointing especially to the creation of a product that can work side by side of the machine tool of every customer.

In order to make the work environment even safer for its operators, ATEX-certified vacuums for potentially explosive environments are also available.



STANDARD SUPPLY

- Centrifuge electric fans, high flow up to 3500 m³/h
- Visual filling indicator
- Continuous work cycle without maintenance
- Structure completely made of steel
- Anti-scuff, turning wheels with parking brake
- M Class polyester filter
- Container capacity 160 liters
- Rapid-release container opening
- Silencer to reduce the level of noise according to regulation
- Integrated pneumatic motor filter shaker

OPTIONALS

- Remote control
- PVC bags kit for collecting chips
- Cleaning kit for cleaning the machine after work
- Antistatic kit
- Cyclonic pre-filter
- Touch screen that shows the level of contamination of the filter
- Automatic filter cleaning system
- Anti-fire System



SHOES

iV3 - 3 - 160 - 3500

FREQUENCY	HZ	50
POWER	KW	3
VOLTAGE *	V	400
WATER LIFT MAX	mbar	28
AIR FLOW MAX	m ³ /h	3500
INLET	N°	2
SUCTION INLET	Ø mm	160
VOLUME	Lt	chips liquids 160
DIMENSIONS	H	180
	L	135
	W	84
WEIGHT	kg	180

* Voltage variable at the request

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iV CUSTOM

HI-TECH VACUUM

Advantages of our intelligent system:

- Cyclonic pre-filter to intercept and block the majority of the collected dust, before they reach the filter. Our cyclonic pre-filters have a positive effect: they elongate the life of the filter, therefore, also save energy (an efficient filter allows the vacuum to work under less stress) and comes with spare parts (filter life can be notably elongated)
- Touch screen shows in a clear and unmistakable way the level of contamination of the filter; this data can be sent directly to the control panel of the machine and in this way, can start up the procedure of automatic filter cleaning
- Visual and acoustic alarm when the container has reached maximum capacity. A manual intervention is no longer necessary for the daily cleaning of the filter, given that this will be carried out automatically
- Elimination of any type of negligence by the operator
- Flexibility of mounting the cyclonic system based on the space available of the client
- Every model of the iVCustom line can be equipped with all of the necessary accessories for the client

IV3 - 3 - 320 - 3500

POWER	KW	3
AIR FLOW MAX	m ³ /h	3500
VOLUME	Lt	160 X 2
FILTERING SURFACE	m ²	8



TOUCH SCREEN HI-TECH VACUUM



HUMAN MACHINE INTERFACE

The vacuum cleaner is equipped with a touch screen unit on the front. It allows the operator to quickly and easily monitor the level of contamination of the filter.

Thanks to such a device, the operator is able to recognize in real time the filter condition and the efficiency of the whole vacuum cleaner. Afterwards, the operator can choose to clean the filter (in manual or automatic mode) and also manage the remote Start&Stop control option.

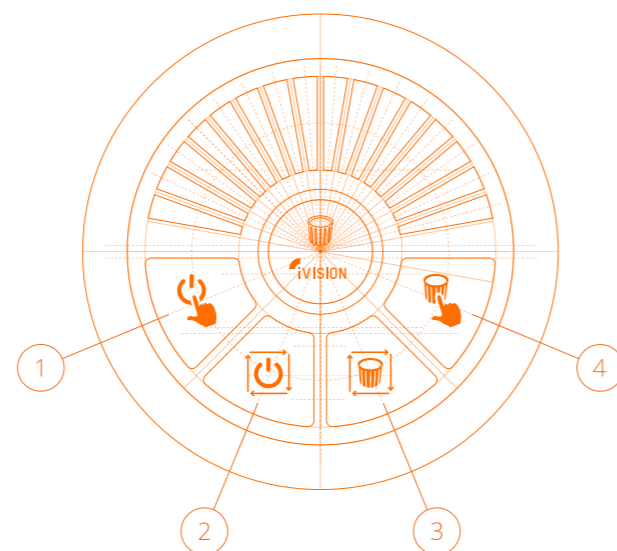
Once the filter is completely clogged, the unit will automatically warn the operator of the need to replace the filter utilizing:

- An audible signal.
- A visual signal.

On the round screen you can find the following icons:

Scale-LED: it shows the level of contamination 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.

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



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CYCLONIC PRE-FILTER HI-TECH VACUUM

Strongly recommended whenever possible, the pre-filter is positioned between the vacuum and the chip generating machine, as the first point of collection of the collected material. It is specially used to preserve the life of the filter inside the vacuum unit. It retains most of the collected material and can have a cone or cylindrical shape and serves as a mechanical filter. Through a tangential entry, the collected material is centrifuged into its interior until its speed gradually decreases and the material falls to the bottom of the collecting unit due to the force of gravity. Such a process ensures that only a relatively low percentage of collected 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 very likely to clog the filter quickly, compromising the smooth operation of the entire system, but are only recommended for large, heavy chips.

The main advantage of the cyclonic pre-filter 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

REMOTE CONTROL HI-TECH VACUUM

This kit enables the automatic start/stop of the vacuum simultaneously with the machine tool that it is attached to. This can be carried out in three different ways:

- The vacuum is turned on without an electrical contact, potential-free contact.
- The vacuum is turned on with a 24 V contact.
- The vacuum is turned on with a 230 V contact.

The advantages:

- Energy saving, since the vacuum works only when the machine is on.
- Reduction of the noise level, because the vacuum cleaner is turned on (and makes noise) only when the machine is also turned on.
- Optimization of the operator's time as he no longer needs to personally wait to turn on or turn off the machine.



CLEANING KIT Ø 50 mm HI-TECH VACUUM

For cleaning workshops or the machine tools after work, iVision has developed a cleaning kit 50mm composed of a 4-meter pipe, a flat nozzle, and a brush with a steel handle.

The standard version can be expanded according to the specific requirements of the customer and can be easily attached by means of a suitable support on the side of the vacuum, to avoid the tubes impeding the movement of the vacuum unit.



picture for illustrative purpose only

CLEANING KIT Ø 70 mm HI-TECH VACUUM

For cleaning workshops or the machine tools after work, iVision has developed a cleaning kit 70mm composed of a 4-meter pipe, a flat nozzle, and a brush with a steel handle.

The standard version can be expanded according to the specific requirements of the customer and can be easily attached by means of a suitable support on the side of the vacuum, to avoid the tubes impeding the movement of the vacuum unit.



picture for illustrative purpose only

GATE CLOSURE

HI-TECH VACUUM

The gate valves that enable the closure of multiple vents allow the operator to choose to work with one, two or more hoses simultaneously. These gates can be operated manually by operators, handled automatically by machines, or remotely via foot pedal.



ANTI-FIRE KIT

HI-TECH VACUUM



This accessory is a device that automatically intervenes in the case that there is a consistent increase of the temperature inside of the collection tank, emptying a mix of air and water inside the tank through a spray nozzle. In the case where the system is not automatically activated, it's possible to activate it manually using the appropriate button.



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ANTISTATIC KIT

HI-TECH VACUUM

To be applied to all models of industrial vacuums in production. This kit allows you to unload electrostatic charges accumulated during the collection phase, avoiding transferring them to other machinery or operators.

It's particularly recommended during the working of aluminum, considering the chips of this material can create a potentially explosive atmosphere inside of the tank.



AUTOMATIC CLEANING WITH SHAKING

HI-TECH VACUUM

Filter cleaning with a pneumatic piston requires being connected to an air adapter from 6-8 bar and via a pressure regulator that can vary the intensity of the sliding of the piston.

- To effectively clean the filters mounted inside the vacuum, the vertical piston filter cleaning system was developed. Through a manual selector (semiautomatic solution) or by a timer (automatic version) a pneumatic piston acts from the bottom of the filter, shaking it intensely in a way that ensures that the chips or the dust transferred to the outside of the filter fall into the collection tank, permitting in this way the continued optimal functioning of the filter.
- Vertical piston cleaning of the filter is recommended for any type of application, as it significantly improves the cleaning of the filter compared to the vibrating motor standard version.
- Vertical piston cleaning of the filter, especially in its automatic version, becomes mandatory in the suctioning of fine dust that can clog the filter rapidly. In the case of large and heavy chips, this system is not mandatory, but for light or volatile material, yes!
- The principal advantage of this system comes from the greater efficiency in the incisiveness of the shaking of the filter with a piston. Another advantage is the use of this system in its automatic version, shaking the filter every time that the motor is turned off, eliminating the typical problem of the reliability of the operator, who usually has to remember to turn on the cleaning of the filter.



THE IVISION HEALTH SAFETY SOLUTION

CREATED FOR YOU

48000 Lt in 8 hour work-day means about 100 Lt / 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.



QUALITY & HEALTH

Organizations that see the constant and dizzying employment of new chemical products that take-over the organs in control of olfactory sensing and manifest problems of later illness,

have the power to entrust in a machine that responds perfectly to the demands of the proper collecting of materials after their processing, that also aids in the protection of the life.

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 transfer 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.



headquarters located in Cattolica (Rimini) Italy

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.

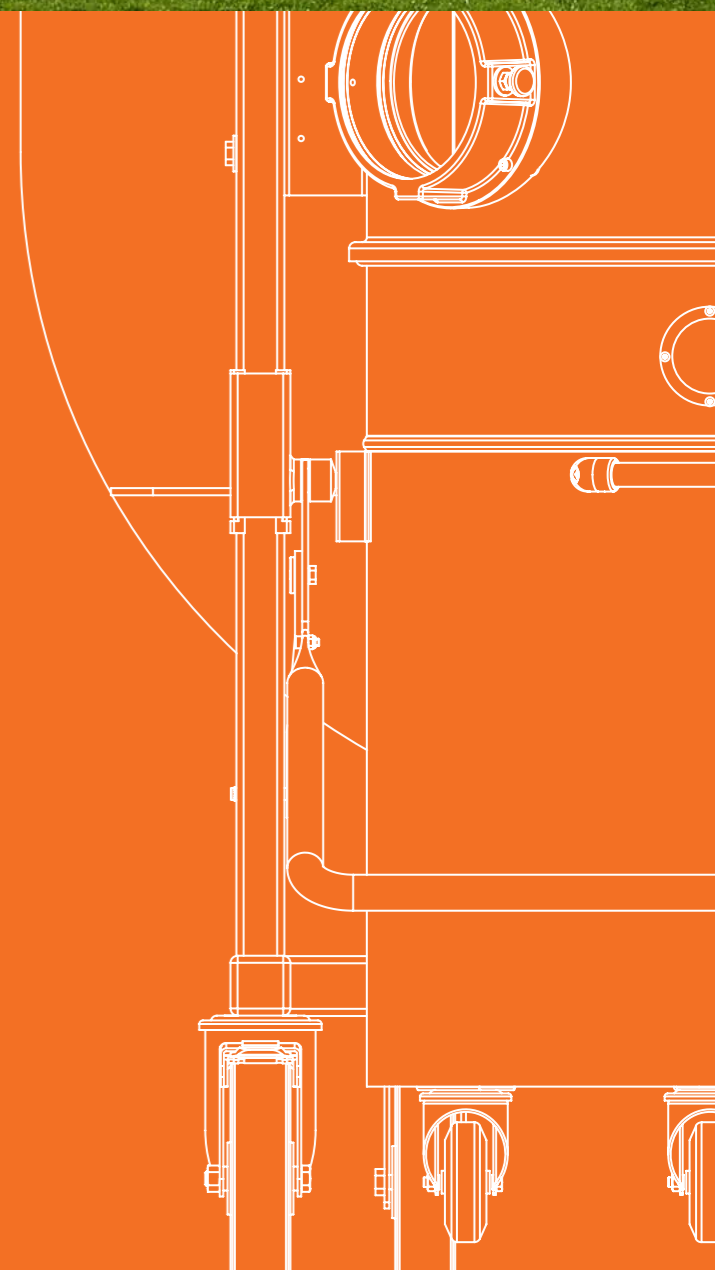


OUR SECRET

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.

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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