



# CLEAN LINE

HI-TECH VACUUM



© iVision Vacuum

EN

 **iVISION**<sup>®</sup>  
ITALIAN VACUUM



## INDUSTRIAL VACUUMS FOR GENERAL CLEANING

The high level of technology and the ever-growing experience that have always characterized the company iVISION, has brought us to develop a range of industrial vacuums, with side-channel turbines, dedicated to the sector of industrial cleaning. The vacuums of the Clean line perform perfectly for all industrial environments.

The line dedicated to this sector is particularly versatile and complete, it's comprised of vacuums for small offices, or large and strong vacuums for large companies, offering to our clients a large range in order to satisfy every potential need.





## EFFICIENT SYSTEMS; TRUSTWORTHY AND FLEXIBLE

The Clean line was born after a long experience in the mechanical industrial sector in order to respond to the growing needs of clients to have available a compact and flexible product that at the same time is able to work continuously without having elevated costs and time for maintenance.

Especially in the generic dust collection of work environments, vacuums that are less-than-ideal are often used, with the initial intention of making a small investment cost for the company that instead end up creating much higher costs in the end.

The industrial solutions of the Clean Line are very robust and, above all, trustworthy. Thanks to the powerful side-channel turbines and the research done by iVision for the accessories and specific filtration, maintenance for your machine tools will have drastically lowered the time and cost for maintenance compared to traditional methods.

The main advantages of the Clean line are:

- Drastic reduction in time needed to clean the machine
- Side-channel turbine with continuous work cycle
- Robust vacuum structure
- Flexible movement for the operator as the vacuums come equipped with 4 anti-scuff wheels and a collection tank with autonomous wheels
- Ample range of accessories dedicated to every need of this sector



## VACUUMS FOR GENERAL CLEANING



In order to meet your needs, our collection tanks can come in different sizes. From our smallest model, compact and manageable for quick and easy emptying of 38 liters, to our bigger collection tanks of 160 liters with the possibility of adding an additional tank of up to 1,000 liters for heavy duty work.

The entire Clean range is equipped with a steel Cleaning Kit and every vacuum is equipped with a particular silencer to keep the noise level within regulations.



# iV1

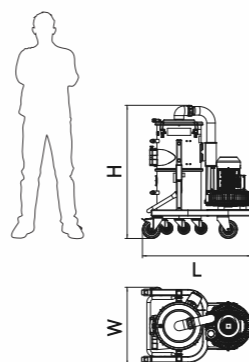
## QUALITY MADE IN ITALY

The iV1 vacuums of the Clean line are the most compact of the iVISION range. They are utilized for generic cleaning of companies or as an integration to machine tools of various types.

The compact dimensions allow the operator to move with agility in tight spaces. The excellent performance of the side-channel turbine is completely taken advantage of in these models. The careful study of details, the attention dedicated to the design, the use of robust materials and the creation of a simple yet highly-performing product are the characteristics of a product entirely developed and produced in Italy.

## CUSTOMIZED PRODUCTS

Every model was thought of, designed, and mounted to meet the specific needs of every client, pointing above all to the development of a product capable of working side-by-side of the machine tools of every client.



## STANDARD SUPPLY

- Side-channel turbine
- Silencer
- Visual filling indicator
- Rapid-release container
- Structure completely made of steel
- Oil-resistant wheels with parking brake
- Container capacity: 38 liters
- Pneumatic filter cleaning system with a vibrating motor

## OPTIONALS

- Remote control
- Automatic and semi-automatic filter cleaning
- Possibility of inserting PVC bags for dust collection
- Oil-chips separator tank
- Antistatic kit
- Atex zone 22



| CLEAN          |      | iV1 - 2.2 - 38 - 310 | iV1 - 3 - 38 - 310 |
|----------------|------|----------------------|--------------------|
| FREQUENCY      | HZ   | 50                   | 50                 |
| POWER          | KW   | 2,2                  | 3                  |
| VOLTAGE        | V    | 400                  | 400                |
| WATER LIFT MAX | mbar | 300                  | 310                |
| AIR FLOW MAX   | m3/h | 310                  | 310                |
| INLET          | N°   | 1                    | 1                  |
| SUCTION INLET  | Ø mm | 100                  | 100                |
| VOLUME         | Lt   | 38                   | 38                 |
| DIMENSIONS     | H    | 104                  | 104                |
|                | L    | 90                   | 90                 |
|                | W    | 63                   | 63                 |
| WEIGHT         | kg   | 90                   | 95                 |

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# iV2

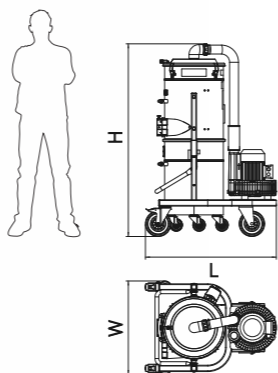
## QUALITY MADE IN ITALY

The iV2 vacuums of the Clean line are the most sold iVision vacuums. They are used for the generic cleaning of companies and/or as an integration to machine tools of various types.

The compact dimensions allow the operator to move with agility in tight spaces. The excellent performance of the side-channel turbine is completely taken advantage of in these models. The careful study of details, the attention dedicated to the design, the use of robust materials and the creation of a simple yet highly-performing product are the characteristics of a product entirely developed and produced in Italy.

## CUSTOMIZED PRODUCTS

Every model was thought of, designed, and mounted to meet the specific needs of every client, pointing above all to the development of a product capable of working side-by-side of the machine tools of every client.



## STANDARD SUPPLY

- Side-channel turbine
- Silencer
- Visual filling indicator
- Rapid-release container
- Structure completely made of steel
- Oil-resistant wheels with parking brake
- Container capacity: 100 liters
- Pneumatic filter cleaning system with a vibrating motor

## OPTIONALS

- Remote control
- Automatic and semi-automatic filter cleaning
- Possibility of inserting PVC bags for dust collection
- Oil-chips separator tank
- Lift kit for emptying the container with a forklift
- Antistatic kit
- Atex zone 22



picture for illustrative purpose only

## CLEAN

|                |      | iV2 - 2.2 - 100 - 310 | iV2 - 3 - 100 - 310 | iV2 - 4 - 100 - 310 |
|----------------|------|-----------------------|---------------------|---------------------|
| FREQUENCY      | HZ   | 50                    | 50                  | 50                  |
| POWER          | KW   | 2,2                   | 3                   | 4                   |
| VOLTAGE        | V    | 400                   | 400                 | 400                 |
| WATER LIFT MAX | mbar | 300                   | 310                 | 320                 |
| AIR FLOW MAX   | m3/h | 310                   | 310                 | 310                 |
| INLET          | N°   | 1                     | 1                   | 1                   |
| SUCTION INLET  | Ø mm | 100                   | 100                 | 100                 |
| VOLUME         | Lt   | 100                   | 100                 | 100                 |
| DIMENSIONS     | H    | 152                   | 152                 | 152                 |
|                | L    | 104                   | 104                 | 104                 |
|                | W    | 73                    | 73                  | 73                  |
| WEIGHT         | kg   | 115                   | 115                 | 115                 |

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# iV3

## QUALITY MADE IN ITALY

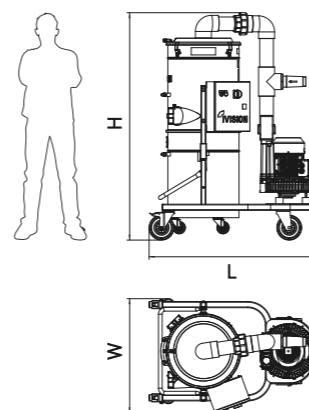
The iV3 vacuums of the Clean line are the vacuums most adapt for doing heavy-duty cleaning or for deep-cleaning of large machine tools with a large accumulation of metallic and liquid residues. They are used for generic cleaning of workshops or as an integration to machine tools of various types.

Thanks to the high performance of the side-channel turbine and the container capacity of 160 liters, these vacuums are ideal for intensive and efficient material collection from your work centers.

The careful study of details, the attention dedicated to the design, the use of robust materials and the creation of a simple yet highly-performing product are the characteristics of a product entirely developed and produced in Italy.

## CUSTOMIZED PRODUCTS

Every model was thought of, designed, and mounted to meet the specific needs of every client, pointing above all to the development of a product capable of working side-by-side of the machine tools of every client.



## STANDARD SUPPLY

- Side-channel turbine
- Silencer
- Visual filling indicator
- Rapid-release container
- Structure completely made of steel
- Oil-resistant wheels with parking brake
- Container capacity: 160 liters
- Pneumatic filter cleaning system with a vibrating motor

## OPTIONALS

- Remote control
- Automatic and semi-automatic filter cleaning
- Possibility of inserting PVC bags for dust collection
- Oil-chips separator tank
- Lift kit for emptying the container with a forklift
- Touch Screen
- Antistatic kit
- Atex zone 22



| CLEAN          |      | iV3 - 5.5 - 160 - 550 | iV3 - 7.5 - 160 - 550 | iV3 12,5 160 - 1100 |
|----------------|------|-----------------------|-----------------------|---------------------|
| FREQUENCY      | HZ   | 50                    | 50                    | 50                  |
| POWER          | KW   | 5,5                   | 7,5                   | 12,5                |
| VOLTAGE        | V    | 400                   | 400                   | 400                 |
| WATER LIFT MAX | mbar | 300                   | 320                   | 300                 |
| AIR FLOW MAX   | m3/h | 550                   | 550                   | 1100                |
| INLET          | N°   | 2                     | 2                     | 2                   |
| SUCTION INLET  | Ø mm | 100                   | 100                   | 100                 |
| VOLUME         | Lt   | 160                   | 160                   | 160                 |
| DIMENSIONS     | H    | 180                   | 180                   | 180                 |
|                | L    | 126                   | 126                   | 126                 |
|                | W    | 84                    | 84                    | 84                  |
| WEIGHT         | kg   | 190                   | 200                   | 280                 |

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# iV CUSTOM

## HI-TECH VACUUM

It's iVision philosophy to always be attentive to the specific needs of every client. In this way, the technical department and prototypes of iVision in collaboration with the commercial network, are always active in procuring innovative and flexible solutions custom made for every client.

### IV3-12,5-160-1100

|                   |                   |      |
|-------------------|-------------------|------|
| POWER             | kW                | 12,5 |
| AIR FLOW MAX      | m <sup>3</sup> /h | 1100 |
| VOLUME            | Lt                | 160  |
| FILTERING SURFACE | m <sup>2</sup>    | 8    |

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# TOUCH SCREEN

## HI-TECH VACUUM

### TOUCH SCREEN

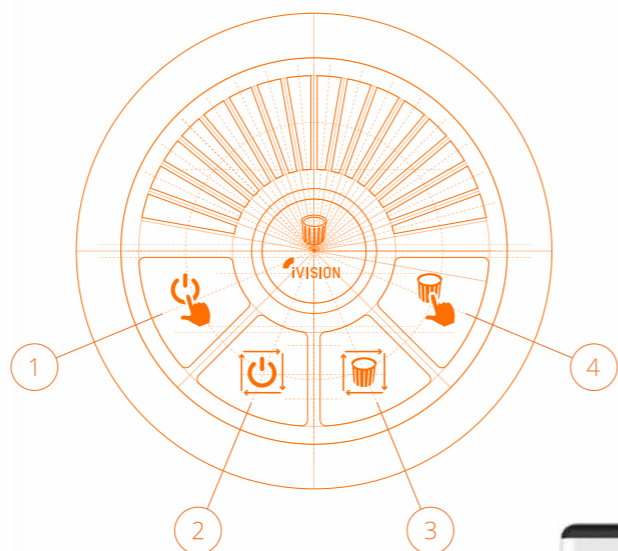
**TOUCH SCREEN** On the front of the vacuum there is a screen that communicates in a fast and easy way the state of the filter. The operator can keep under control the level of deterioration of the filter and evaluate in real time the efficiency of the vacuum. With a simple touch, it's possible to activate the filter cleaning (in manual or automatic mode) and manage turning on the vacuum from a distance through the machine tool.

When the vacuum filter is completely saturated with collected material, the Touch Screen will alert the operator that it's necessary to clean the filter through a visual signal.

The Touch Screen allows the connection of the vacuum to the company network through a wire, in a way to consult even from a distance the state of the filter. Through the circular screen, you have immediate access to even more information:

an LED Scale in grade of showing in a simple and intuitive way the state of the filter. The measure is done in a scientific and non-empirical way through a sophisticated system of sensors controlled by a dedicated PLC exclusively for this purpose.

- 1 **ON / OFF MANUAL:** permits turning on and off the material collecting system with a simple touch.
- 2 **ON/ OFF AUTOMATIC:** allows to turn on and off the suctioning system simultaneously with the machine tool it is connected to.
- 3 **AUTOMATIC FILTER CLEANING:** permits at the end of every work cycle an automatic filter cleaning.
- 4 **MANUAL FILTER CLEANING:** allows instantaneous filter cleaning and can also be used in addition to the automatic filter cleaning for heavy duty cleaning.



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# FLOOR CLEANING KIT

## HI-TECH VACUUM

For the cleaning of floors, iVision has developed a specific kit composed of a fixed brush positioned in the front of the vacuum with a special handle for easy movement.



# CLEANING KIT Ø 50 mm

## HI-TECH VACUUM

For office or machine tool cleaning after work, iVision has developed a 50mm diameter cleaning kit comprised of 4 meters of tube, a flat nozzle and a brush with a steel handle. This standard version can be expanded according to the specific needs of the client and can be easily stored away on the side area of the unit in order to avoid the tube from obstructing the movement of the vacuum.



# CLEANING KIT Ø 70 mm

## HI-TECH VACUUM

For office or machine tool cleaning after work, iVision has developed a 70mm diameter cleaning kit comprised of 4 meters of tube, a flat nozzle and a brush with a steel handle. This standard version can be expanded according to the specific needs of the client and can be easily stored away on the side area of the unit in order to avoid the tube from obstructing the movement of the vacuum.





# REMOTE CONTROL START&STOP 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.



# LIFT KIT HI-TECH VACUUM

In order to avoid excessive effort by the operator during the emptying of the collection tank, iVision has developed a lifting system through means of a forklift.

This lift kit is offered for our iV2 (100 liters) and iV3 (160 liters) series.

Whenever the collection tank weighs more than the maximum weight to be lifted by an operator, more than 20 kg, the lift kit becomes obligatory in order to respect the norms of workers' security.



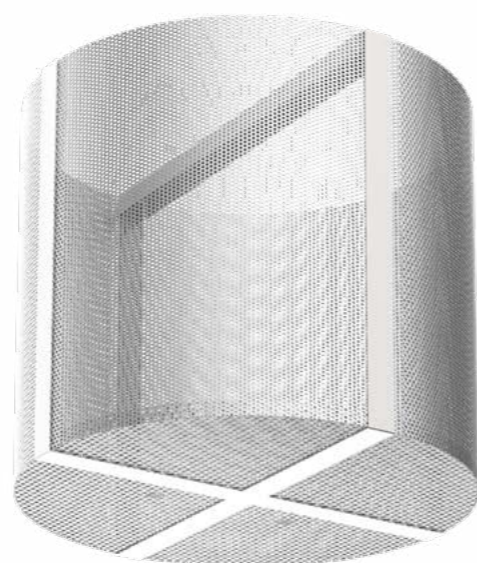
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# SEPARATOR TANK

## HI-TECH VACUUM

In the case of using the vacuum with a machine tool that produces chips with lubricant, it becomes necessary to separate the chips and liquid inside of the collection tank. In this case, it's important to have a separator that allows the liquid to continue to the bottom of the tank and yet captures and retains the chips in the container.



# DRAINAGE TAP

## HI-TECH VACUUM

For the collection and eventual reusing of liquid, it's possible upon request, to apply a drainage tap to empty the liquid without having to manually operate the emptying.

# AUTOMATIC CLEANING PNEUMATIC SHAKER

## HI-TECH VACUUM

The filter cleaning with pneumatic filter is used every time the standard cleaning is not efficient enough caused by the nature of the material collected (for example, very fine dust) or from the volume of material collected.

- To efficiently clean the filter installed in the vacuum, we have developed the vertical piston filter cleaning system. Through a selector (semiautomatic mode) or through a timer (automatic mode), a pneumatic piston agitates the bottom of the filter in an intense way in order to make the chips and dust fall to the outside of the filter, falling into the collection tank in order to have the filter work optimally.
- The vertical piston filter cleaning is recommended per any type of application, since it increases the sensibility of the filter in respect to the standard version with the vibrating motor.
- The vertical piston filter cleaning, especially used in its automatic mode, becomes obligatory when collecting dust that can quickly block the filter. In the case of large and heavy chips this system isn't obligatory, but is for light and volatile materials.
- The main advantage of this cleaning system is given from the major efficiency and precision in shaking the filter with a piston. Another advantage of its use in the automatic version: shaking the filter every time the motor is turned off, the problem of relying on the operator to remember to turn on the filter cleaning is eliminated.





# 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.



*Sede di Cattolica (Rimini)  
Italia*

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.

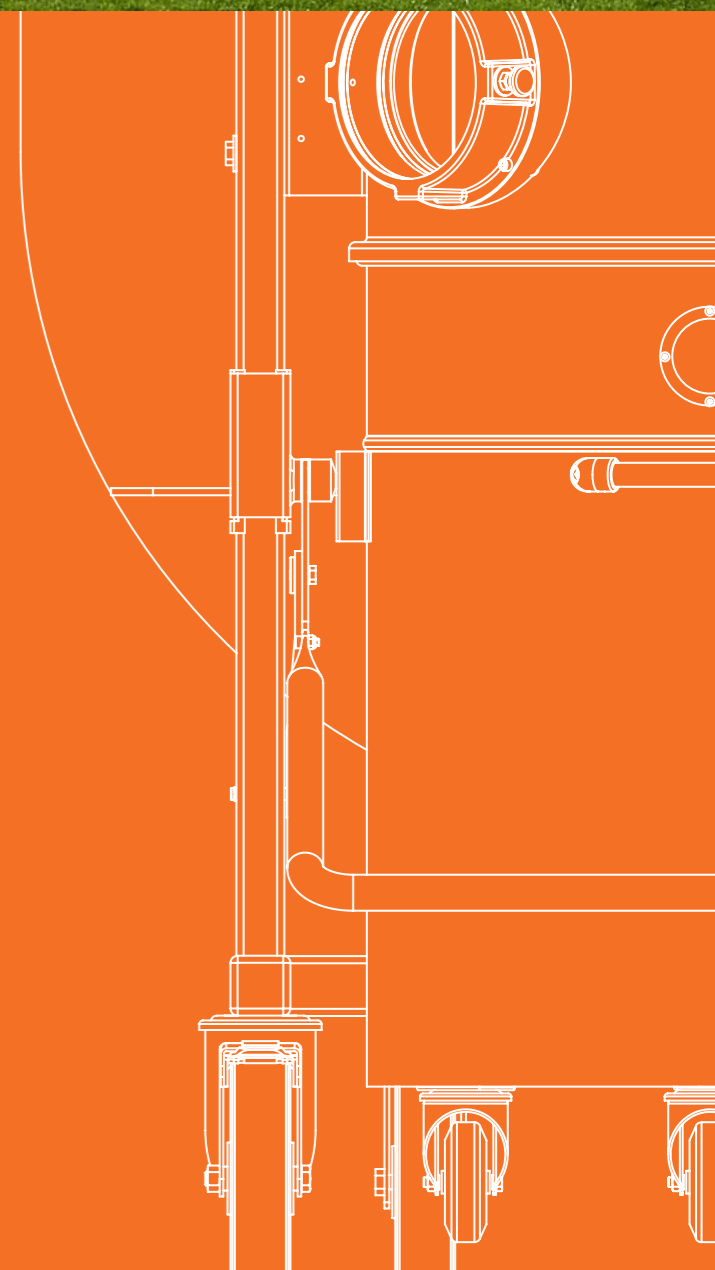


## OUR SECRET

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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