



FLAT TABLE LINE

HI-TECH VACUUM



© iVision Vacuum

US


ITALIAN VACUUM



INDUSTRIAL VACUUMS FOR CNC ROUTERS

The advanced technology and expertise that have characterized the company since its start are what brought iVision to develop a series of Turbine vacuum cleaners dedicated to 3 axis CNC routing machines – vertical or horizontal – which need an efficient and dedicated chip extraction in order to achieve maximum accuracy during the routing process and a perfect final product. The range dedicated to this industry is particularly versatile and complete; it includes vacuums for small workshops and for large companies, offering a wide choice to suit every need.



THE MOST POWERFUL CHIPS COLLECTORS

The Flat Table line was born after acquiring abundant experience in the mechanical industrial sector in order to meet the growing demands of material collection from chippings generated during the routing and milling process.

lvision has long-term partnerships with many CNC routing machine manufacturers and has therefore developed specific accessories to facilitate and optimize the use of the vacuum cleaner with a CNC machine.

Optional accessories, like the patented Aerial Arm or the Touch Screen have been developed specifically for these kind of machines.

The principal advantages of the Flat Table line are:

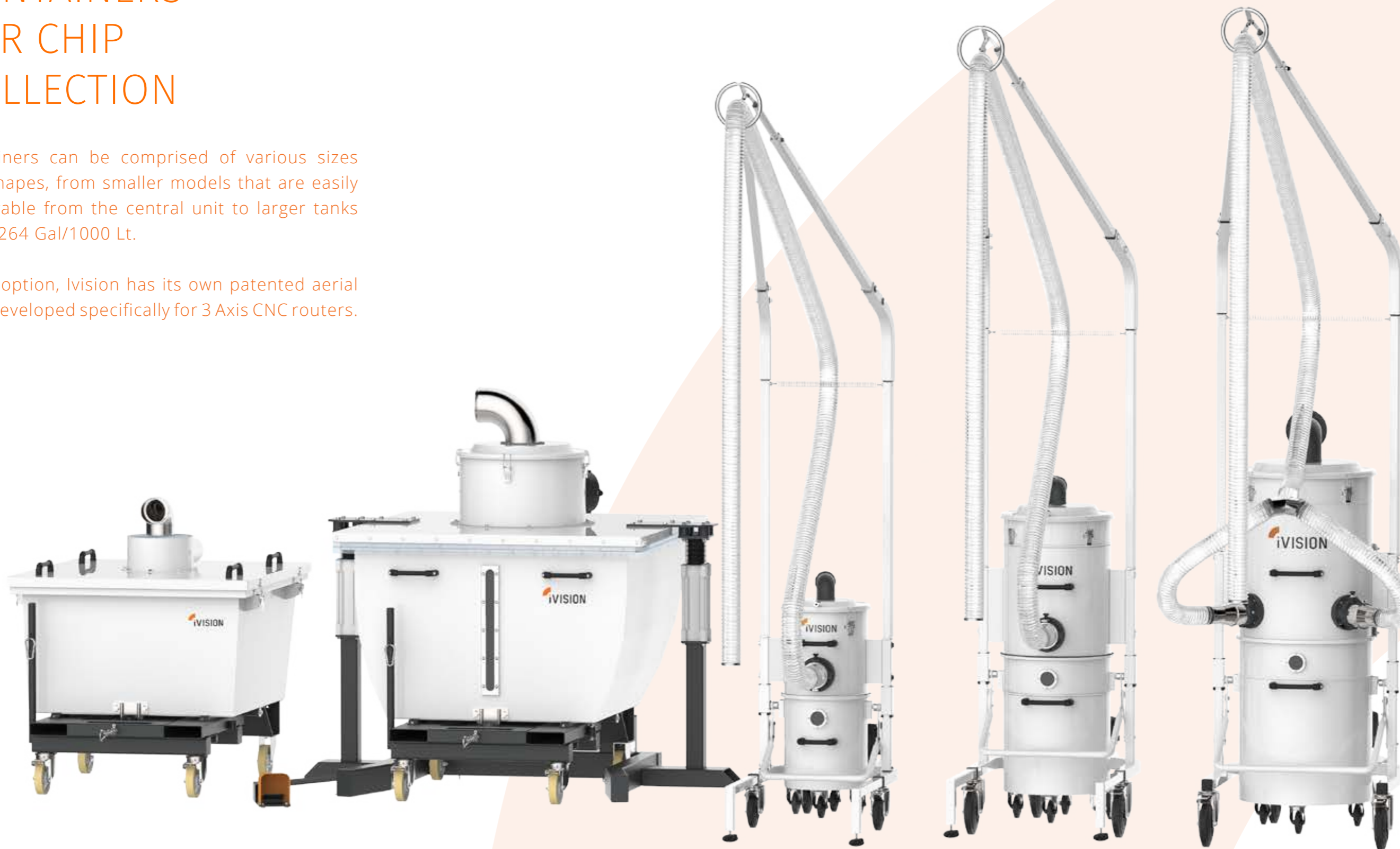
- High efficiency Turbine Vacuum Cleaner especially developed for such a machine.
- All vacuum cleaners are equipped with safety valves.
- All vacuum cleaners are equipped with adjustable feet better stabilization.
- Use of smooth, flexible hoses that improve air flow.
- The optional Aerial Arm extends from above to eliminate hassle of hoses around the machine.
- The optional Touch Screen recognizes the deterioration of the filter in real time and can send this data directly to the CNC machine.
- The optional cleaning kit can be used by the operator to clean the machine after work.



CONTAINERS FOR CHIP COLLECTION

Containers can be comprised of various sizes and shapes, from smaller models that are easily removable from the central unit to larger tanks up to 264 Gal/1000 Lt.

As an option, Ivision has its own patented aerial arm, developed specifically for 3 Axis CNC routers.



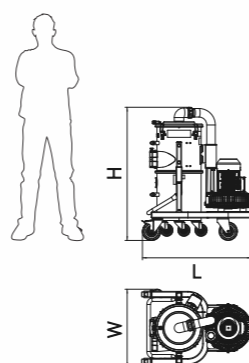
iV1

QUALITY MADE IN ITALY

iV1 Flat Table Industrial Vacuum Cleaners are the smallest of the iVision range and are used for chip extraction on small CNC routers. The practical dimensions allow the worker to operate in small, cramped places, with agility and practicality, making full use of the excellent functional and performing quality of the vacuum cleaner. The study and design research, the sturdy materials and the simple design, are characteristics of a product entirely made in Italy; a true guarantee in the industrial market.

CUSTOMIZATION

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



STANDARD SUPPLY

- Turbine with side channel blower
- Safety valve
- Visual filling indicator
- High-working performance with heavy duty cycle
- Structure completely made of steel
- Anti-scurf wheels with parking brake
- Container capacity: 10 Gal/38 Lt
- Quick-release container
- Adjustable feet that stabilize the structure

OPTIONALS

- Remote Start & Stop control
- Patented aerial arm for hose support
- Patented Touch Screen system
- Kit to hold PVC bags inside the tank



FLAT		iV1 - 2.2 - 38 - 310	iV1 - 3.5 - 10 - 226	iV1 - 3 - 38 - 310	iV1 - 4.8 - 10 - 226	
FREQUENCY	HZ	50	60	50	60	
POWER	KW	2,2	2,6	3	3,5	
	HP	3	3,5	4	4,8	
VOLTAGE	V	customizable	customizable	customizable	customizable	
WATER LIFT MAX	mbar	300	300	310	310	
	PSI	4,4	4,4	4,5	4,5	
AIR FLOW MAX	m3/h	310	384	310	384	
	CFM	183	226	183	226	
INLET	N°	1	1	1	1	
SUCTION INLET	Ø mm	100	100	100	100	
	Ø inch	4	4	4	4	
VOLUME	Lt	38	38	38	38	
	gal	10	10	10	10	
DIMENSIONS	cm	H	104	104	104	104
		L	90	90	90	90
		W	63	63	63	63
	ft	H	3,4	3,4	3,4	3,4
		L	2,9	2,9	2,9	2,9
		W	2,0	2,0	2,0	2,0
WEIGHT	kg	90	90	95	95	
	lbs	198	198	209	209	

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iv2

QUALITY MADE IN ITALY

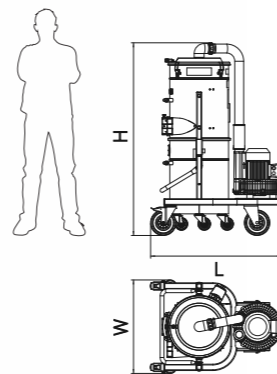
iv2 Flat Table Industrial Vacuum Cleaners are the best-selling model among Ivision vacuums and are used for chip extraction on standard CNC routing machines.

The practical dimensions allow the worker to operate in small, cramped places, with agility and practicality, making full use of the excellent functional and performing quality of the vacuum cleaner.

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

CUSTOMIZATION

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



STANDARD SUPPLY

- Turbine with side channel blower
- Safety valve
- Visual filling indicator
- High-working performance with heavy duty cycle
- Structure completely made of steel
- Anti-scuff wheels with a parking brake
- Container capacity: 26 Gal/100 Lt
- Quick-release container
- Adjustable feet that stabilize the structure

OPTIONALS

- Remote Start & Stop control
- Patented aerial arm for hose support
- Patented Touch Screen system
- Kit to hold PVC bags inside the tank
- Lift kit in order to avoid any manual effort by the operator during the emptying process
- Possibility of an additional 132 Gal/500 Lt or 264 Gal/1000 Lt dumpster



FLAT

		iv2 2.2 - 100 - 310	iv2 3.5 - 26 - 226	iv2 3 - 100 - 310	iv2 4.8 - 26 - 226	iv2 4 - 100 - 310	iv2 6.4 - 26 - 226	
FREQUENCY	HZ	50	60	50	60	50	60	
POWER	KW	2,2	2,6	3	3,5	4	4,7	
	HP	3	3,5	4	4,8	5,5	6,4	
VOLTAGE	V	customizable	customizable	customizable	customizable	customizable	customizable	
WATER LIFT MAX	mbar	300	300	310	310	320	320	
	PSI	4,4	4,4	4,5	4,5	4,6	4,6	
AIR FLOW MAX	m3/h	310	384	310	384	310	384	
	CFM	183	226	183	226	183	226	
INLET	N°	1	1	1	1	1	1	
SUCTION INLET	Ø mm	100	100	100	100	100	100	
	Ø inch	4	4	4	4	4	4	
VOLUME	Lt	100	100	100	100	100	100	
	gal	26	26	26	26	26	26	
DIMENSIONS	cm	H	152	152	152	152	152	152
		L	104	104	104	104	104	104
		W	73	73	73	73	73	73
	ft	H	4,9	4,9	4,9	4,9	4,9	4,9
		L	3,4	3,4	3,4	3,4	3,4	3,4
		W	2,4	2,4	2,4	2,4	2,4	2,4
WEIGHT	kg	115	115	115	115	115	115	
	lbs	253	253	253	253	253	253	

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iV3

QUALITY MADE IN ITALY

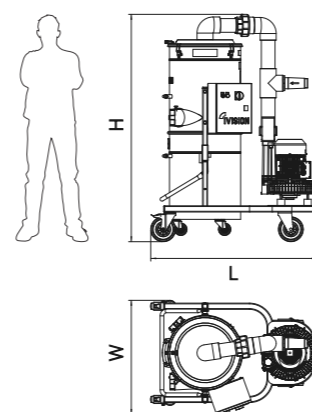
iV3 Flat Table Industrial Vacuum Cleaners are the most powerful units and are ideal for chip extraction on very big CNC routers. They can be used for single machines or to connect several machines to only one vacuum cleaner.

Thanks to the powerful side-channel turbines and the spacious collection tank, the iV3 series is ideal for the maintenance and the cleaning of large work centers.

The study and the design research, along with the sturdy materials comprised of simple design, are characteristics of a product entirely made in Italy; a true guarantee in the industrial market.

CUSTOMIZATION

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



STANDARD SUPPLY

- Turbine with side channel blower
- Safety valve
- Visual filling indicator
- High-working performance with heavy duty cycle
- Structure completely made of steel
- Anti-scoff wheels with a parking brake
- Container capacity: 42 Gal/160 Lt
- Quick-release container
- Adjustable feet that stabilize the structure

OPTIONALS

- Remote Start & Stop control
- Patented aerial arm for hose support
- Patented Touch Screen system
- Kit to hold PVC bags inside the tank
- Lift kit in order to avoid any manual effort by the operator during the emptying process
- Possibility of an additional 132 Gal/ 500 Lt or 264 Gal/1000 Lt dumpster



FLAT

		iV3 5.5 - 160 - 550	iV3 8.8 - 42 - 402	iV3 7.5 - 160 - 550	iV3 12 - 42 - 402	iV3 12.5 - 160 - 1100	iV3 20 - 42 - 803
FREQUENCY	HZ	50	60	50	60	50	60
POWER	KW	5,5	6,5	7,5	8,8	12,5	14,8
	HP	7,5	8,8	10,2	12	17	20
VOLTAGE	V	customizable	customizable	customizable	customizable	customizable	customizable
	WATER LIFT MAX	mbar	300	300	320	320	300
	PSI	4,3	4,3	4,6	4,6	4,3	4,3
	AIR FLOW MAX	m3/h	550	683	550	683	1100
	CFM	323	402	323	402	648	803
	INLET	N°	2	2	2	2	2
SUCTION INLET	Ø mm	100	100	100	100	100	100
	Ø inch	4	4	4	4	4	4
VOLUME	Lt	160	160	160	160	160	160
	gal	42	42	42	42	42	42
DIMENSIONS	cm	H	180	180	180	180	180
		L	126	126	126	126	126
		W	84	84	84	84	84
	ft	H	5,9	5,9	5,9	5,9	5,9
		L	4,1	4,1	4,1	4,1	4,1
		W	2,7	2,7	2,7	2,7	2,7
WEIGHT	kg	190	190	200	200	280	280
	lbs	419	419	441	441	617	617

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iV CUSTOM

HI-TECH VACUUM



picture for illustrative purpose only



		12.5+12.5 - 2600	20+20 - 1530
FREQUENCY	HZ	50	60
POWER	KW	12,5x2	14,8x2
	HP	17x2	20x2
AIR FLOW MAX	m3/h	2600	2600
	CFM	1530	1530
VOLUME	Lt	160x2	160x2
	gal	42x2	42x2
FILTERING SURFACE	m ²	10	10
	ft ²	108	108



		9.2 - 2500	12,5 - 1470
FREQUENCY	HZ	50	60
POWER	KW	9,2	9,2
	HP	12,5	12,5
AIR FLOW MAX	m3/h	2500	2500
	CFM	1470	1470
VOLUME*	Lt	160x2	160x2
	gal	42x2	42x2
FILTERING SURFACE	m ²	8	8
	ft ²	86	86

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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.

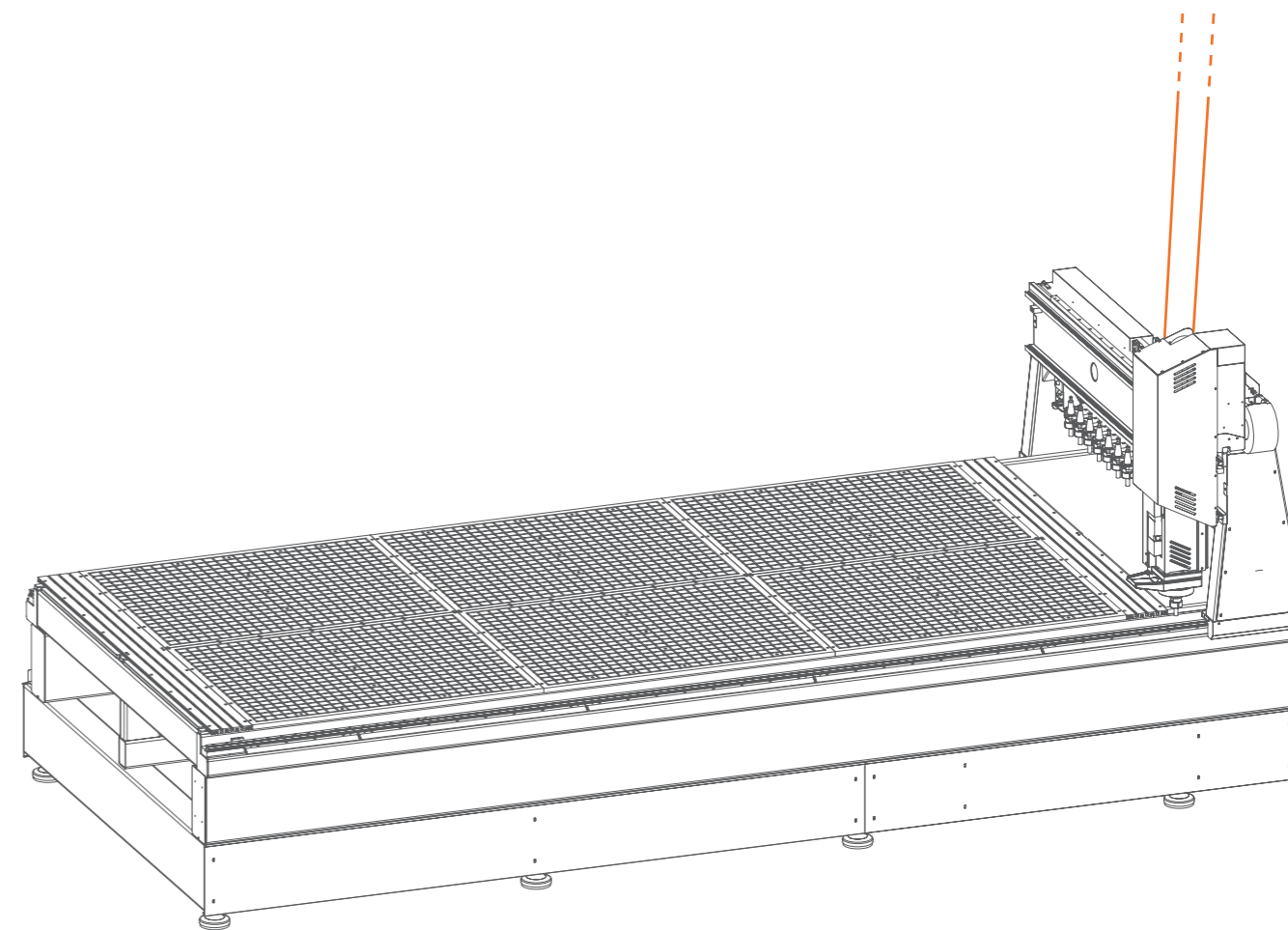


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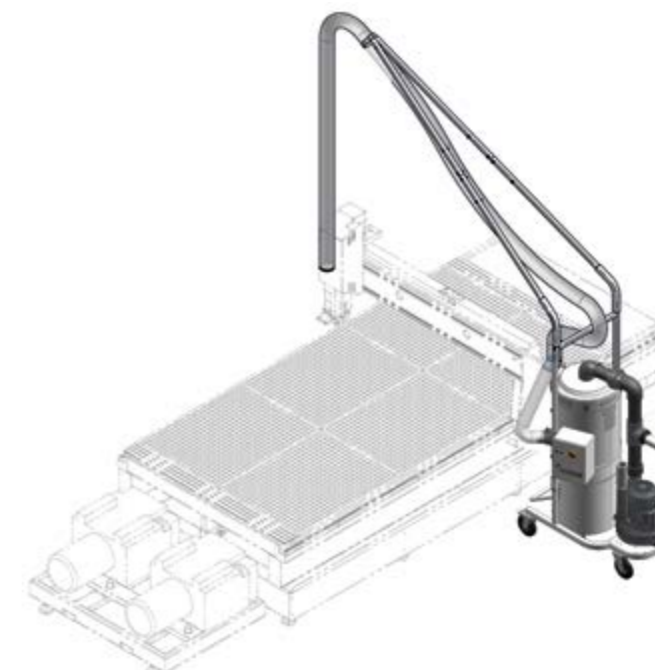
AERIAL ARM

HI-TECH VACUUM



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

- Easy mounting of the vacuum cleaner without needing to make any changes to the original CNC machinery design.
- It allows positioning and lowering of the hose exactly in the center of the router, without the need of any external support. Also, the movement and curvature of the hose are minimized so that the air flow loss is reduced, allowing for a more efficient chip extraction.
- For machine manufacturers: as the hose is coming from the top, it is not additionally necessary to calculate the weight and size of the moving bridge (gantry) of the machine. This is also a money-saving issue in the construction of the CNC router itself.
- During the development of the CNC machine, the construction engineers do not need to design any special hose connectors.



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ADDITIONAL DUMPSTER HI-TECH VACUUM

When the vacuum cleaner standard capacity 42 Gal is not enough, iVISION offers its customers additional high-capacity chip containers.

iVISION has developed 2 types of dumpsters:

- A) 264 Gal/1000 Lt dumpster with automatic opening
- B) 132 Gal/500 Lt dumpster with manual opening

The dumpsters are equipped with a visual filling indicator that shows the operator when it is time to empty the container.

HOW DOES IT WORK?

The dumpster, connected by means of a tube system, is positioned between the CNC machinery that produces chips and the vacuum unit.

During the operating of the vacuum, the dumpsters have airtight closures preventing air flow losses.

When the vacuum cleaner gets switched off, the dumpster can be opened manually with the 132 Gal/500Lt container and automatically with the 264 Gal/1000 Lt model.

Next, the dumpster can be carried by the forklift where it can next be emptied into the end-container.



264 gal/1000 Lt



132 gal/500 Lt

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REMOTE START & STOP HI-TECH VACUUM

The kit allows the automatic switching on and off of the vacuum cleaner simultaneously with the machine tool when they are connected. This can occur in three different ways:

- The vacuum gets switched on by contact without electricity "potential free contact".
- The vacuum gets switched on with a 24V contact.
- The vacuum gets switched on with a 230V contact.

The advantages are:

- Energy-saving, as the vacuum cleaner is switched on only when the machine is working.
- Noise level reduction, because the vacuum cleaner is on (and makes noise) only when the machine is working.
- Optimization of operators' time as one no longer needs to personally attend to the machine in order to switch it on or off.



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CLEANING KIT Ø 2"/50mm HI-TECH VACUUM

The cleaning kit is usable on all of the series and consists of a robust, anti-abrasion tube that ends at the extremities with special zinc-plated steel accessories capable of transporting, without any obstacle, chippings and oil from the machine tool to the vacuum collection tank.

The vacuum suction tube is easily stored on the unit on an external support that facilitates the movement of the vacuum in a way that eliminates any hassle the tube can create for the operator. Additionally, it allows the avoidance of oil leakage during the maneuvers of the vacuum.



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.



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.

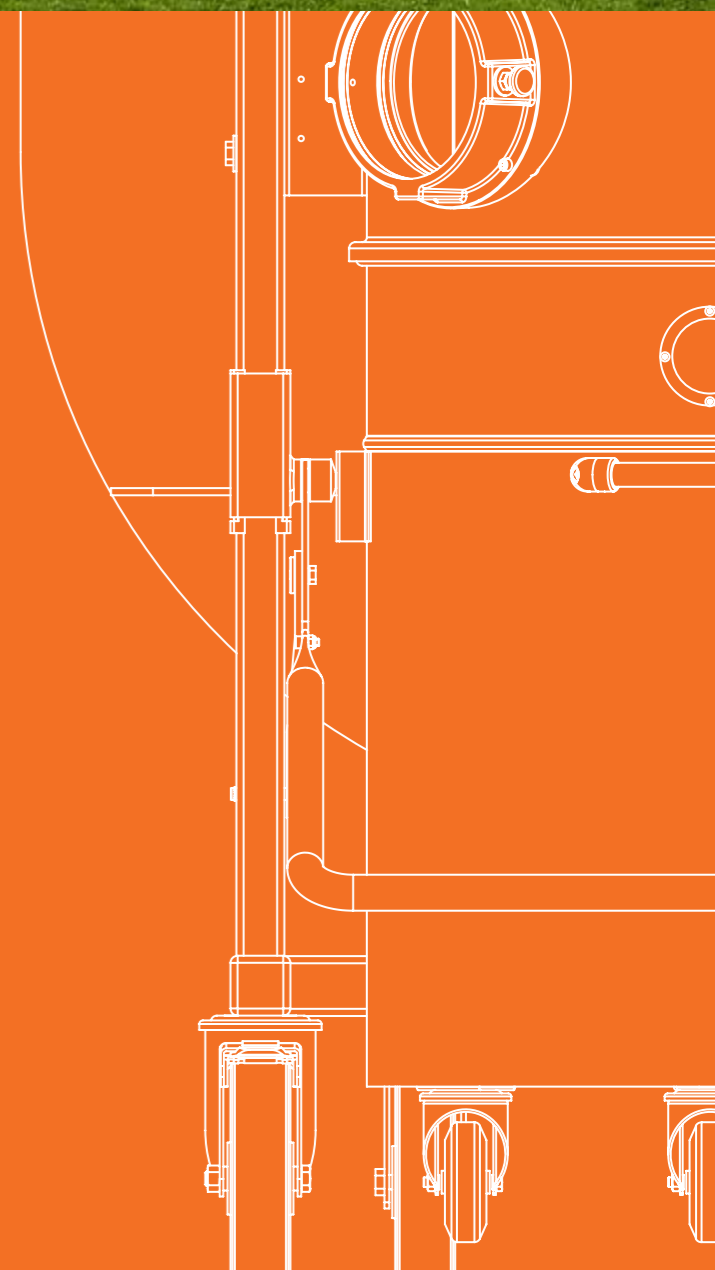


OUR SECRET

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



iVision srl

Via Mercadante 14
47841 Cattolica (RN)
Italy

iVision Industrial Vacuum Llc

4235 N.E. 6 Avenue,
Oakland Park
Ft. Lauderdale, FL 33334
USA

Phone

+39 0541 833094

Fax

+39 0541 205707

Email

info@ivisionvacuum.com

Website

www.ivisionvacuum.com

