

SAND LINE

HI-TECH VACUUM



© iVision Vacuum

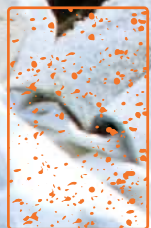
EN


ITALIAN VACUUM

INDUSTRIAL VACUUMS FOR SANDBLASTING

The high level of technology and the constant growth of experience that has always characterized the company iVISION, have led us to develop a new range of industrial vacuum cleaners with side channel turbines, dedicated to machines that produce sandblasting that need an accurate and efficient suction as well as long-lasting solutions to achieve maximum accuracy and efficiency during the work process.

The range dedicated to this industry is particularly versatile and complete; it includes both vacuums for small workshops and large companies, offering a wide choice to suit every need.



THE MOST POWERFUL GRIT COLLECTORS

The Sand Line was born after acquiring abundant experience in the mechanical industrial sector in order to meet the growing demands of an efficient grit and dust collection, necessary during the process of sandblasting.

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

Optional accessories, like the dumpster, the touch screen system or the cleaning kit have been developed specifically for these kinds of machines.

The principal advantages of the Sand line are:

- High efficiency vacuum cleaner with single or double-stage side-channel turbine.
- All vacuum cleaners are equipped with safety valves.
- Use of smooth, flexible hoses that improve air flow.
- Touch Screen to easily recognize the level of contamination of the filter, thus facilitating the maintenance of the industrial vacuum.
- Reinforced cleaning kit for an efficient collection of sand grit.
- Automatic and semiautomatic filter cleaning.
- Optional rotary valve with continuous 24-hour functioning and direct emptying in the sandblasters.



CONTAINERS FOR SAND COLLECTION



In order to meet your needs, the containers for sand collecting can be of various capacities

Starting from the smallest models, compact and manageable for a quick and easy moving emptying process, to the biggest collection containers up to 1000 Liters for heavy-duty work.

For large businesses requiring 24-hour production, iVision produced a centralized system with a continuous unloading cycle mediated by a rotary valve.

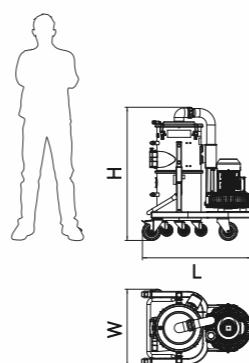
iV1

QUALITY MADE IN ITALY

iV1 Sand industrial vacuum cleaners are the smallest in the iVision range and are usually used in all working fields with a low sand production. 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 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

- Side-channel turbine
- Safety valve
- Visual filling indicator
- Continuous work cycle without maintenance
- Structure completely made of steel
- Anti-scoff wheels with parking brake
- Container capacity 38 Lt
- Quick release container
- Adjustable feet that stabilize the structure

OPTIONALS

- Remote Start & Stop control
- Kit to hold PVC bags inside the tank
- Automatic and semi-automatic filter cleaning
- Antistatic kit
- Atex Zone 22



SAND

iV1 - 3 - 38 - 310

FREQUENCY	HZ	50
POWER	KW	3
VOLTAGE *	V	400
WATER LIFT MAX	mbar	310
AIR FLOW MAX	m ³ /h	310
INLET	N°	1
SUCTION INLET	Ø mm	100
VOLUME	Lt	38
DIMENSIONS	H	104
	L	90
	W	63
WEIGHT	kg	95

iV2

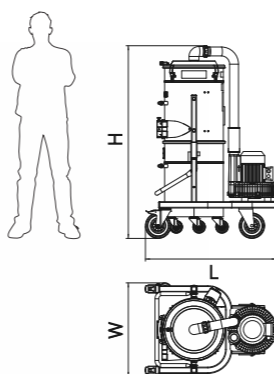
QUALITY MADE IN ITALY

iV2 Sand industrial vacuum cleaners are used for the collection of grit and sand within industrial environment where an efficient and professional collection system is required, in order to keep the work environment clean and maintain the health of the workers.

Even though a 100-liter collection tank, the compact dimensions allow the operator to move with agility in tight spaces. The excellent performance of the side-channel is 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.

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

- Side-channel turbine
- Safety valve
- Visual filling indicator
- Continuous work cycle without maintenance
- Structure completely made of steel
- Anti-scoff wheels with parking brake
- Container capacity 100 Lt
- Quick release container
- Adjustable feet that stabilize the structure

OPTIONALS

- Remote Start & Stop control
- Patented Touch Screen system
- Kit to hold PVC bags inside the tank
- Automatic and semi-automatic filter cleaning
- Kit for emptying the 100-liter container with a forklift
- Antistatic kit
- Atex Zone 22



SAND

		iV2 - 4 - 100 - 310	iV2 - 5.5 - 100 - 550
FREQUENCY	HZ	50	50
POWER	KW	4	5,5
VOLTAGE *	V	400	400
WATER LIFT MAX	mbar	320	300
AIR FLOW MAX	m3/h	310	550
INLET	N°	1	1
SUCTION INLET	Ø mm	100	100
VOLUME	Lt	100	100
DIMENSIONS	H	152	152
	L	104	104
	W	73	73
WEIGHT	kg	115	145

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iV3

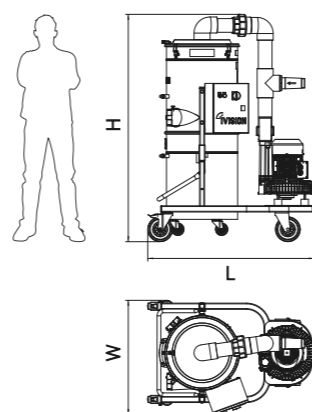
QUALITY MADE IN ITALY

iV3 Sand vacuum cleaners are the most powerful of the wheeled vacuums and are utilized for the intensive collection of dust and grit in large building sites or businesses.

Even with a 160-liter collection tank, the compact dimensions allow the operator to move with agility in tight spaces. The excellent performance of the side-channel is fully exploited, whether it is single or double-stage. 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.

CUSTOMIZATION

Every model has been created, produced and assembled to meet every specific request, producing, above all, the creation of a product capable of working side by side of the machine tool of every client.



STANDARD SUPPLY

- Side-channel turbine
- Safety valve
- Visual filling indicator
- Continuous work cycle without maintenance
- Structure completely made of steel
- Anti-scuff wheels with parking brake
- Container capacity 160 Lt
- Quick release container
- Adjustable feet that stabilize the structure

OPTIONALS

- Remote Start & Stop control
- Patented Touch Screen system
- Kit to hold PVC bags inside the tank
- Automatic and semi-automatic filter cleaning
- Kit for emptying the 100-liter container with a forklift
- Additional 500-Liter dumpster
- Cyclonic pre-filter to extend filter life
- Rotary valve for nonstop unloading (24/7)
- Antistatic kit
- Atex Zone 22



SAND		iV3 - 7.5 - 160 - 550	iV3 12.5 - 160 - 1100	iV3 18 - 160 - 1100
FREQUENCY	HZ	50	50	50
POWER	KW	7,5	12,5	18
VOLTAGE *	V	400	400	400
WATER LIFT MAX	mbar	320	300	350
AIR FLOW MAX	m3/h	550	1100	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	200	280	290

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iV CUSTOM

HI-TECH VACUUM

It's iVision's philosophy to always be attentive to the specific needs of every client. In this way, we are always active in procuring innovative and flexible solutions custom made for every client.

What clients ask the most is the chance to work within large building sites without interruption due to the unloading of the collection tanks. For this reason, iVision has developed emptying systems such as the rotary valve with continuous 24-hour functioning and direct emptying in the sandblasters.



IV3-18,5-320-1100

POWER	kw	18,5
AIR FLOW MAX	m ³ /h	1100
VOLUME	Lt	160 x 2 + 500
FILTERING SURFACE	m ²	40

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.

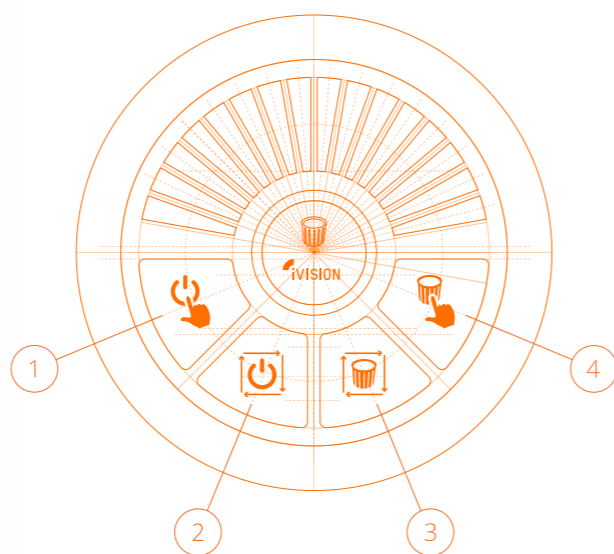
Once the filter is completely clogged, the unit will automatically warn the operator of the need to replace the filter utilizing:

- 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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REMOTE 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:

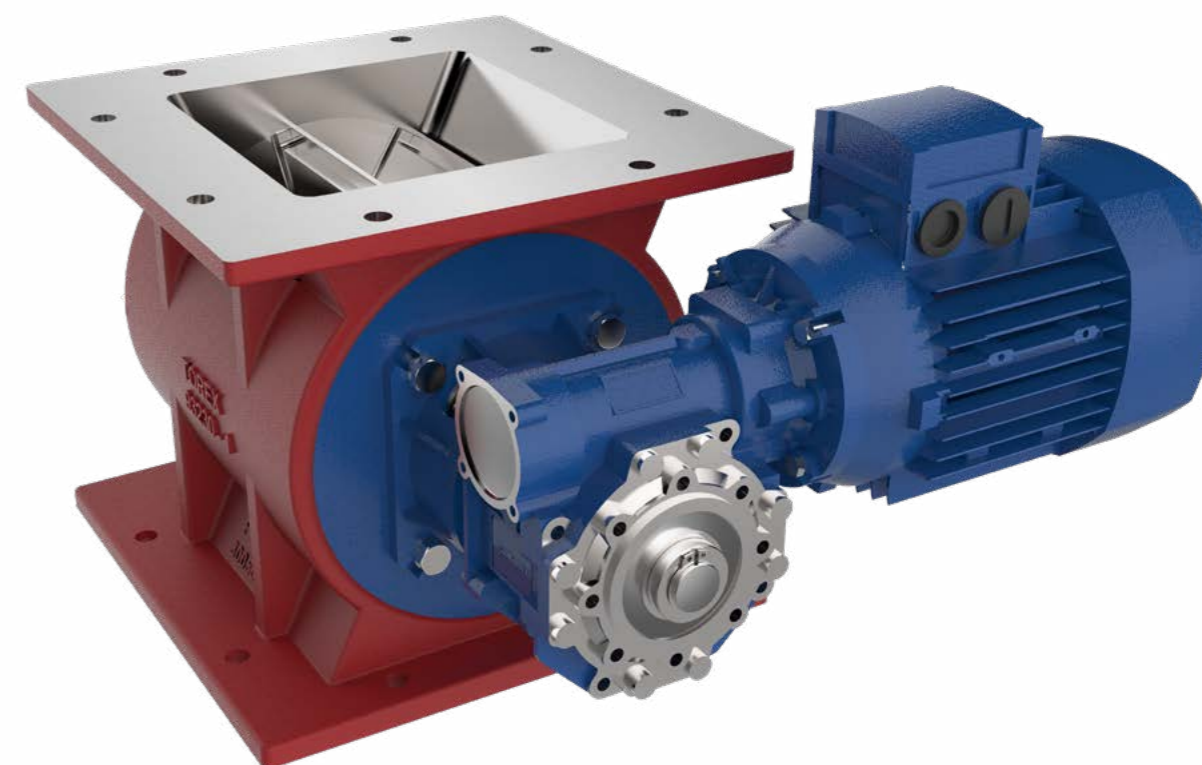
- Energy saving, since the vacuum works only when the machine is on.
- Reduction of the noise level, because the vacuum cleaner is turned on (and makes noise) only when the machine is also turned on.
- Optimization of the operator's time as he no longer needs to personally wait to turn on or turn off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



EMPTYING ROTARY VALVE KIT FOR CONTINUOUS WORK

HI-TECH VACUUM

This rotovalve kit is a very interesting solution, especially for those who need to work in large building sites and to reduce interruptions due to the emptying process of the collection tanks.



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SEPARATOR TANK FOR SANDBLAST DUMPSTER

HI-TECH VACUUM

It is a tank made of pierced sheet that allows both slags produced during the sandblasting process and dirt in general to be put aside while the vacuum cleaner is being used.

It is equipped with 2 handles that allow a comfortable removal and rearrangement of the dumpster after the emptying process.



SANDBLASTING CLEANING KIT

HI-TECH VACUUM

For cleaning workshops or the machine tools after work, iVision has developed a very sturdy cleaning kit, which is perfect for the sandblasting environment.

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.



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ADDITIONAL DUMPSTER HI-TECH VACUUM

When the vacuum cleaner standard capacity 160 Lt is not enough, iVision offers its customers additional high-capacity chip containers.

iVision has developed 2 types of dumpsters:

- A) 1000 Lt dumpster with automatic opening
- B) 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 500 Lt container and automatically with the 1000 Lt model.

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



AUTOMATIC CLEANING WITH SHAKING 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.



CYCLONIC PREFILTER 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 gradually 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.



160 Lt

LIFT KIT HI-TECH VACUUM

The lifting device is used for emptying the 100 Lt (iV2) or 160 Lt (iV3) chip container, by attaching the container to a forklift with safety chains for easy transporting. The operators do not have to make any manual effort for the emptying process. This accessory is especially recommended in all countries where strict laws for workers' protection are in force that specify the maximum weight to be lifted by an operator. If the weight exceeds the legal limit, it becomes mandatory to use this accessory.



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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.

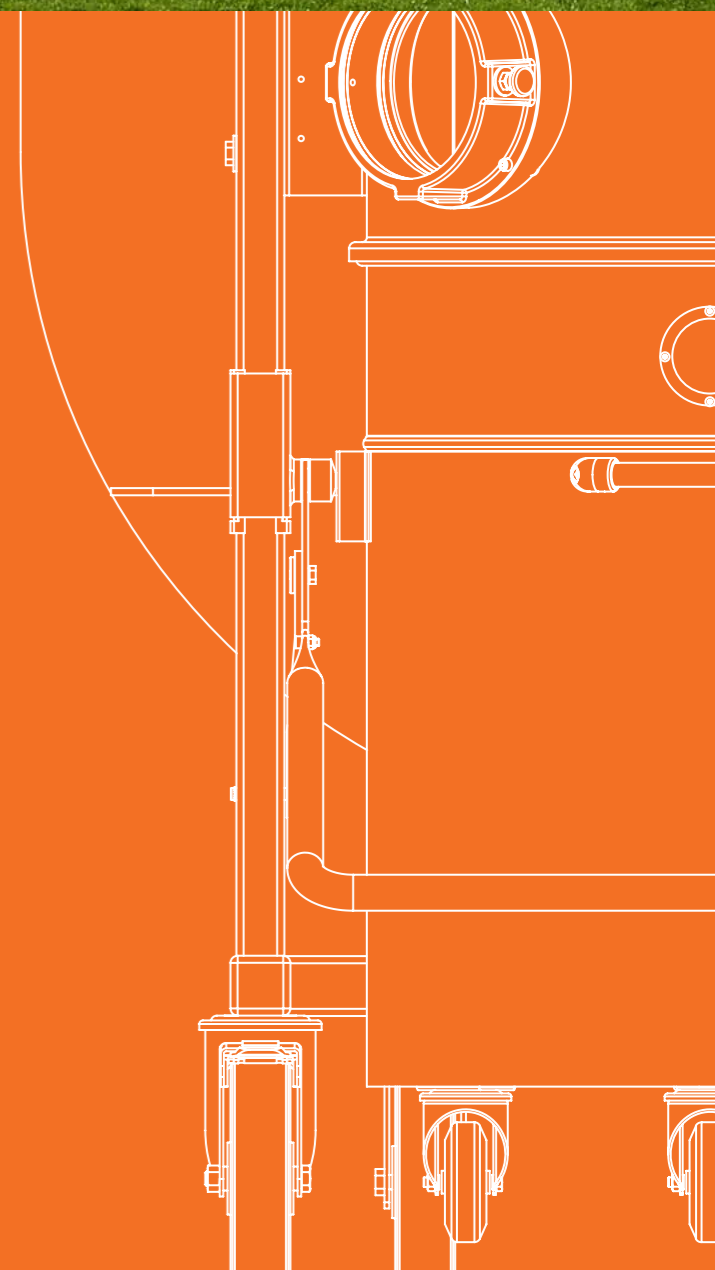


OUR SECRET

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.

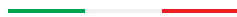
WHY IVISION

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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