



**Industrial
Vacuum
Specialists**

Specialized in central vacuum

Exclusively dedicated for industrial central vacuum systems.

STARVAC team has been in the central vacuum industry for **over 25 years** – we know exactly the solution to recommend.

Fully integrated industry 4.0 control system

Automation and maintenance are designed with plug & play solutions, to couple with new Industry 4.0 standards.

Industry **4.0 application** available – monitoring through a display and through Smartphone all necessary parameters.

Turnkey custom solutions

We can **design, manufacture, and install** heavy duty central vacuum cleaning systems for industrial customers worldwide.

Innovative by nature

Many integrated features: control sensors, remote control, green IE3 premium efficiency motors coupled with **frequency converter**. New **retractable hose** system.

Quality

STARVAC systems are assembled with the **best quality components**. Focused at 360° to the customer, to find out custom solutions.

Our mission: to provide the customer with a 360° service and guarantee the best solution

Benefits

Since the central vacuum unit is located out of working environment and exhaust is outside, there are several clear benefits:

**NO MORE
INDOOR
POLLUTION**

**SPACE
SAVING**

**STEADY
POWERFUL
VACUUM**

**LIGHT
WEIGHT
ACCESSORIES**

**REDUCED
NOISE**

**LOW
MAINTENANCE**

Profitability

In the middle and long run, an industrial central vacuum system is profitable in comparison to a traditional mobile vacuum cleaning. Starvac commissioned a scientific study on the subject.

**COST FACTOR
OPERATION TIME**

40% less time dedicated to cleaning

**COST FACTOR
HYGIENE**

Indoor air quality with no volatile dust

**COST FACTOR
AMORTISATION**

Long system lifetime, up to 20 yrs

Overview

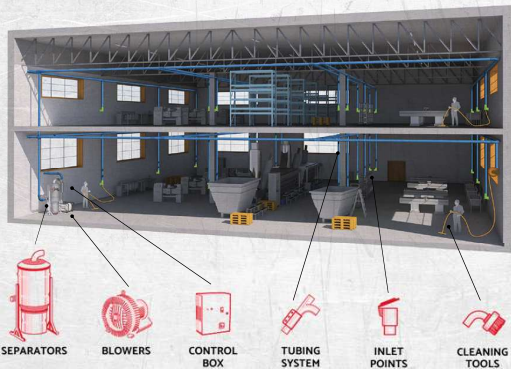
An industrial central vacuum system can be listed in 6 main parts:

Blower
Separator
Control Box
Tubing System
Inlet Points
Cleaning Tools

The **central vacuum unit**, made of blower, separator and control box, is usually installed in a technical room, far away from the operators, so it gives many benefits.

The piping network connects the central vacuum unit with many different suction points, which are **strategically** placed in order to reach every possible place needed.

Besides the standard system, Starvac can adapt or **create the right configuration** to solve all contamination problems due to dust creation in any industrial working place.



STARVAC
Industrial Central Vacuum Systems

THE SYSTEM

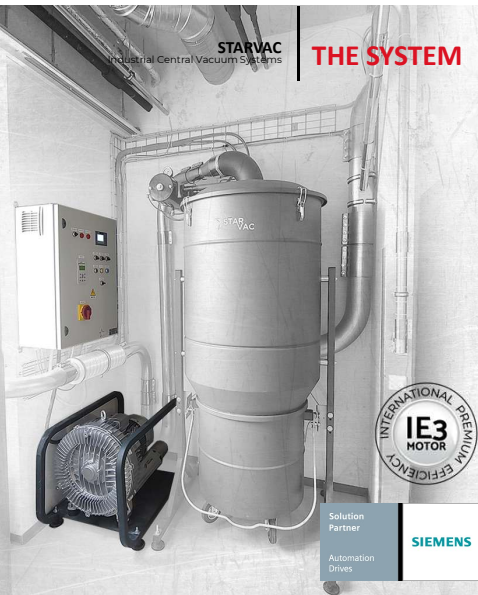


Blower and Control unit

The blowers, side channel or radial, are available in standard or **IE3 Siemens** version. They can be coupled in parallel, silenced in an IP65 box, controlled by a frequency converter or a soft-starter.

The **Inverter solution**, grants not only the light start of the blower, but run the blower in an advanced mode. Thanks to a pressure sensor the inverter will modulate the blower, in order to have always the **best suction power**.

The maximum power is almost doubled and the minimum power reduce at half the energy consumption cost. **Save energy** is one of our priority.



Solution
Partner

Automation
Drives

SIEMENS

The Separator

The dust separator is the heart of the system.

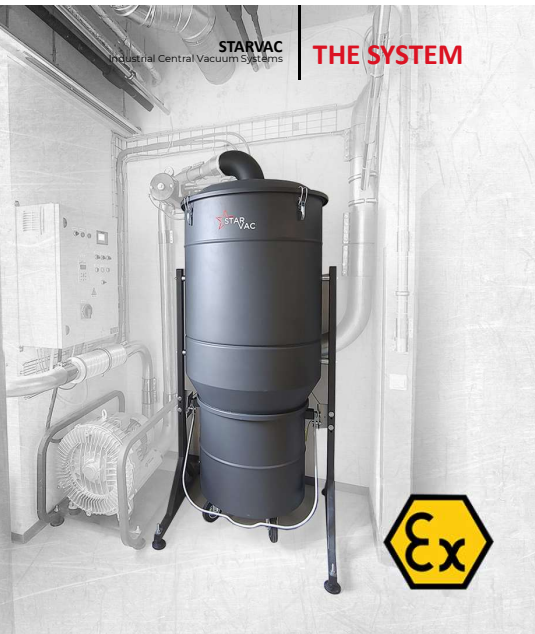
Available in many different sizes, we can upgrade to guarantee a good filtration up to 10.000m³/h.

Very flexible, modular and with various modules.

Some features:

- **Automatic filter cleaning with reverse pulse jet**
- **Continuous rotary valve for Big Bag**
- **Softened cover for easy filter change**
- **Dust container level sensor**
- **L, M or H class filters available**
- **Upgrade to ATEX class**

Cyclonic pre-separators & custom hoppers of any size available.



Inlet Points

A wide range of inlet points, for every application the right one. Besides the traditional inlet socket there is much more.

Hose reels up to 15 meter with different diameters, also in ATEX.

Vacuum arms or slimline for a localized dust source.

Now also **custom made vacuum blades**, for continuous unmanned vacuum operations.

NEW:

Retractable hose system for an easy and immediate disappearing of the flexible hose.



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Industrial Central Vacuum Systems

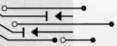
THE SYSTEM

Cleaning Tools

A wide range of cleaning accessories. Available in standard, ATEX, metal and silicon version.

Crush-proof and **antistatic flexible hoses** in many diameters.

Accessories available in many colours, to avoid any cross-contamination in **food industry**.



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THE SYSTEM

Tubing System

Standard on store in **zinc coated steel** but available also in other material, like PVC, aluminium or stainless steel.

With different diameters that are selected based on the needs of the client.

It is specifically designed for **high airflow industrial vacuum** systems.



Custom parts

Now Starvac can design with Computations Fluid Dynamics systems and even with **AI driven CAD** the parts to have a right intake of airflow, right there where **dust is sourced**.

Continuous or sensor-controlled **unmanned cleaning operations** are more and more common for industrial vacuum systems.



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Industrial Central Vacuum Systems

FOOD ACCESSORIES



Avoid cross contamination!

Always available in stock **colored hand-brushes** for food industry use.

Standard colors **Blue, Red, Yellow**, other colors available after quantity.

Available in diameter dn40 and dn50



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Industrial Central Vacuum Systems

**REDUCED MAN.
HANDLING**



Would you use the mobile vacuum cleaner?

By centralizing the vacuuming process, the need for manually handling and **moving portable vacuums** is **eliminated**.

This **eliminates the risk of accidentally spreading contaminants** through your production line!



STARVAC
Industrial Central Vacuum Systems

**EASY, FAST &
STRONG**



Grab the hose and start the power.

Start cleaning without losing time:

Easy grab the hose, and start cleaning!

Do not lose time bringing the bulky mobile vacuum cleaner in place.

We can deliver as **much power** you want!





Case study 1

Food Industry

With the growing use of **bulk dry ingredients** and process automation, the dust spills are not only a healthy risk, but a real industrial environmental problem.

Even if the material to vacuum, like **flour**, is aggressive, misty, sticky, or with traces of oil, with our central vacuum is easy to clean and collect.

REFERENCES

- Solina Hitchin UK
- Solina Bedford UK
- Solina Wroclaw PL
- Dr. Schär Südtirol IT
- Mars Austria Bruck and der Letha, AT





Case study 2

Pharma Industry

In the production of pharmaceutical products, perfect **cleaning is essential**. A central vacuum system prevents any dust to be recycled in the environment and make the cleaning of machine faster.

The system has a standard dust separator coupled with an **absolute H14 filters**, in order to avoid the spread of any exhausted particle, which sometimes are really dangerous.

REFERENCES

- Medis Nabeus Tunisia
- Bayer Sinesti Romania



Case study 3

Automotive Industry

The mobile vacuum cleaners were always an obstacle, out of order and didn't had enough power for a simple job.

With a central vacuum everything is easy.

Thanks to the big suction diameter and the great containers capacity, even residual production particles, can be easily vacuumed and disposed. Even some power tools are connected to central vacuum.

REFERENCES

- MAN Ankara Turkey
- Prinoth Sterzing Suedtirol



Case study 4

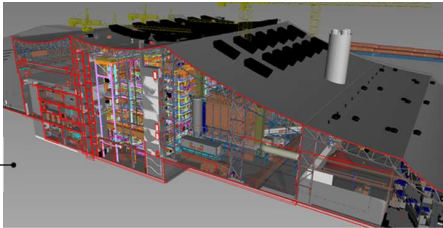
Bulk Processing Industry

In any bulk processing industry, the **quality of indoor air** is impressively improved since a central vacuum is installed.

In this configuration we have an "hybrid" central vacuum cleaner system. Hybrid means that this system has two functions: vacuum cleaning and smoke aspiration.

REFERENCES

- Finstral Unterinn Suedtirol
- Finstral Kurtatsch Suedtirol
- BASF Heidelberg Germany



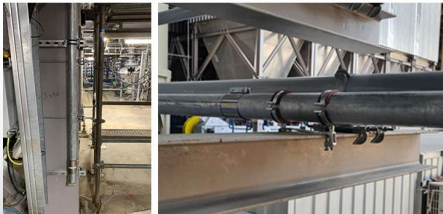
Case study 5

Incinerator plants

This is a technology where central vacuum is the only means **to get rid of all burned ashes** efficiently. Starvac equipped some of the largest incinerator in Europe, processing daily 300 tons of garbage.

REFERENCES

- EfW Istanbul Turkey
- EfW Slough UK
- EfW Newhurst UK





Case study 6

Mineral Industry

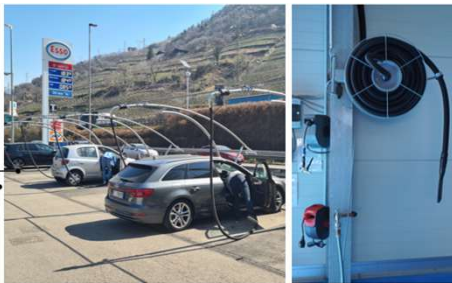
This is the sector where the task of central vacuum is the hardest, but also the **health benefits** for workers is the greater.

Mineral dust after grinding and mixing process can be vacuumed and sometimes even recycled.

REFERENCES

- ISAL Reykyavic Iceland
- DINUR Perwouralsk Russia
- ARAB POTASH Amman Jordan





Case study 7

Carwash systems

In a modern car wash, a central vacuum cleaning section with flexible hoses that come from above and from both sides allows for **quick and convenient cleaning** of the vehicle interior.

The cleaning area can be open or covered. The piping, as well as payment system can be integrated into any structure.

REFERENCES

- Volmer's Car Wash – Sehnde Deutschland
- Carwash Soppera Bozen Südtirol



Our certifications

Starvac is certificate ISO 9001 and can reach on the whole central vacuum system in any ATEX standard



II 2/3 D Ex h IIIC T135°C Db/Dc X
5°C < T < +40°C

www.starvac.com | info@starvac.it | TÜV*

CERTIFICATO
di conformità alla norma UNI EN ISO 9001:2015

Rilasciato a:

STARVAC
Società Cooperativa Sociale
cassa fiscale 028806079

Sede Legale:
Via Werner Von Siemens, 23 - 39100 Bolzano (BZ) Italia

Per l'implementazione del Sistema di Gestione nel sito di:

Sede operativa:
Via Rio Vallana, 5 - 39055 Laives (BZ) Italia

Campo di applicazione:
Progettazione, costruzione e commercializzazione di aspirapolveri centralizzati industriali (SAP 13/39)

Numero certificato: Q-2888-23

La validità del presente certificato è subordinata a sorveglianza periodica e al rispetto completo del sistema di gestione aziendale con periodicità triennale.
Il presente certificato è emesso sulla base dell'audit di processo del precedente Certificato n° Q-2888-23 scaduto il 10/02/2012. Il presente documento, specie all'interno delle parti della certificazione alla data delle sue emissioni, è documento di verifica di validità ed accuratezza storica e deve essere consultato nella sua interezza e sempre nell'ambito della struttura del DQI Come sotto indicato.

Data prima emissione	Data emissione corrente	Data di scadenza	Il Rappresentante a Legittimo
02/04/2012	20/04/2012	10/02/2015	

Per ulteriori informazioni visitate il sito www.starvac.com

La Società Prolab - 20138 - 02/04 - Padova - Italia
è un'azienda certificata per ISO 9001:2015 e per ISO 14001:2015 e per ISO 45001:2018 e per norme internazionali di riferimento.
La Prolab è un'azienda certificata per ISO 9001:2015 e per ISO 14001:2015 e per ISO 45001:2018 e per norme internazionali di riferimento.
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ACCREDITA
TÜV AUSTRIA

EU Declaration of conformity

CE
23

Starvac S. C. S.
Via Rio Vallana 5
I - 39056 Laives

declares, under their sole responsibility, that Big Bag sealing system, with following serial number:

MN030923

to which this declaration refers, comply with the technical requirements of the directives:

2006/42/EC	Machinery safety directive
2014/30/EU	Electromagnetic compatibility (EMC)
2014/26/EU	ATEX Directive
2014/35/EU	Low Voltage Directive (LVD)

in addition, it meets the requirements of the following norms:

CEI EN 61439-1	Norm Control box "Low Voltage"
CEI EN 61439-2	Norm Control box "Low Voltage"
EN 80079-30	Non-electrical equipment for explosive atmospheres
EN 80079-37	Non-electrical type of protection safety

Place and date: Laives, IT - 12.02.2024

Diego Nigam - CEO

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