



WHO PROVIDES MORE
PRODUCTIVITY
WITH THEIR
VACUUM PUMPS?

**ASK FOR
BECKER.**

VACUUM PUMPS AND SYSTEMS
FOR THE FOOD INDUSTRY

MAKE IT BECKER.

 **BECKER**

THE BECKER SOLUTION FOR THE FOOD INDUSTRY



The more efficient, the fresher...

Vacuum packaging for food

The global demand for fresh food is increasing. Highly efficient processes are required as well as the development of ever more powerful systems that package products faster and keep them fresh even under a modified atmosphere.

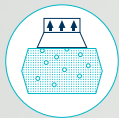
Becker: Your partner for the food industry

As a full-line supplier, we offer customised solutions for your applications in the food industry. Our vacuum solutions optimise processes, reduce unplanned downtime and lower operating costs - for maximum efficiency and reliability.



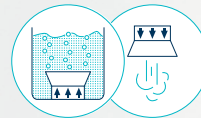
EVACUATION

Evacuation lowers air pressure in packaging, accelerates maturing processes in tumblers, and facilitates the filling of tubes, bottles, and containers.



DEGASSING

Degassing extends the shelf life of food. For pasta, it enhances structure, improves product quality, and ensures better texture during cooking.



BLOWING & INJECTING

Becker compressors generate the required pressure for pneumatic fruit and wine presses.



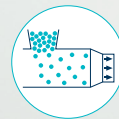
PICK & PLACE

We provide optimal vacuum support for handling film bags and sacks during filling processes, as well as for loading packaging with food and premium products like chocolates.



EXTRACTING

Becker products generate the vacuum in suction systems in automated slaughtering systems.

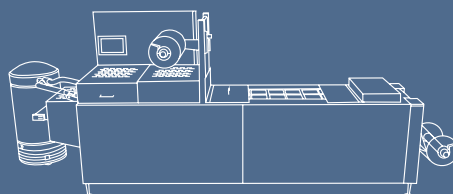


PNEUMATIC CONVEYING

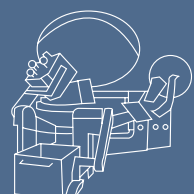
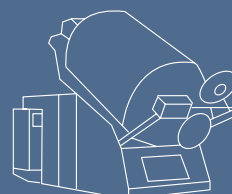
Pneumatic conveying systems transport materials like cereals, flour, sugar, and pulses by creating the necessary pressure difference within the piping system.



Chamber machines
Table top + Floor models



Thermoforming packaging machines



Food processing
Tumbler, cutter, filler, ...



BCV 100–500

Claw vacuum pumps,
dry compressing

are ideal for the applications



Specifications	
Volume flow 50 Hz	100–500 m ³ /h
Vacuum absolute 50 Hz	up to 50 mbar
Power 50 Hz	2.2–9.2 kW
Volume flow 60 Hz	120–600 m ³ /h
Vacuum absolute 60 Hz	up to 50 mbar
Power 60 Hz	2.2–11.8 kW

Maximum efficiency and productivity

A non-contact operating principle minimises maintenance requirements and reduces operating costs.

Reliable operation

The robust design ensures long-lasting operational reliability, which is essential for demanding conditions.

Extended filter cleaning intervals

The transparent filter cover enables immediate detection of soiling, while the enlarged surface area of the integrated filter allows extended replacement intervals.



O 6.4–8 | O 5.10–25

Rotary vane vacuum pumps,
oil-lubricated



Specifications	
Volume flow 50 Hz	4.0–26 m ³ /h
Vacuum absolute 50 Hz	up to 2.0 mbar
Power 50 Hz	0.12–0.75 kW
Volume flow 60 Hz	4.8–30 m ³ /h
Vacuum absolute 60 Hz	up to 2.0 mbar
Power 60 Hz	0.15–0.9 kW

Maximum availability

The service-friendly design enables easy maintenance directly on site and minimises unplanned downtime.

Space-saving and easy to install

A highly integrated motor ensures a particularly compact design - ideal for confined production environments.

Specifically for O 5.10-25:

Customisation for maximum efficiency

The sophisticated design and a wide range of accessories enable customised solutions to meet specific requirements.



U 5.40–301 | U 4.400–630

Rotary vane vacuum pumps,
oil-lubricated



Specifications	
Volume flow 50 Hz	40–624 m ³ /h
Vacuum absolute 50 Hz	up to ≤0.1 mbar
Power 50 Hz	1.1–15.0 kW
Volume flow 60 Hz	48–732 m ³ /h
Vacuum absolute 60 Hz	up to ≤0.1 mbar
Power 60 Hz	1.35–18.0 kW

Specifically for U 5.45-65 (XLK):

Simple installation

The compact design with freely configurable service openings enables effortless machine integration.

Minimised maintenance times, maximum availability

With its service-friendly design - including an easily accessible oil tank, optimised service openings, and fewer components, maintenance can be performed on site with minimal effort. This reduces downtime and increases overall system availability.

Efficient operation

The reduced operating speed minimises the noise level, while the highly efficient motor and the additional cooling system on XLK versions ensure optimum efficiency and maximum energy savings.



Modified atmosphere packaging (MAP) extends the shelf life and improves the fresh appearance of packaged goods. Especially for oxygen-enriched Gases (>21% O₂), the O₂-PACK series was developed and approved.

Optional variant for: U 5.71-301





VT 4.8–40

Rotary vane vacuum pumps,
dry-running

are ideal for the applications



Specifications	
Volume flow 50 Hz	8–40 m ³ /h
Vacuum absolute 50 Hz	up to 150 mbar
Power 50 Hz	0.37–1.25 kW
Volume flow 60 Hz	9.1–48 m ³ /h
Vacuum absolute 60 Hz	up to 150 mbar
Power 60 Hz	0.44–1.50 kW

Space-saving and easy to install

An integrated motor ensures an exceptionally compact design - ideal for confined production environments.

Maximum availability

A service-friendly design allows for easy on-site maintenance, reducing unplanned downtime.

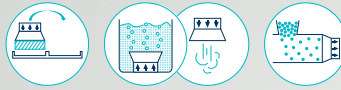
Long service life

High-quality components and materials extend maintenance intervals and maximise service life.



SV 130–1100

Side channel blower,
single and double stage



Specifications	
Volume flow 50 Hz	70–1050 m ³ /h
Vacuum relative 50 Hz	up to -440 mbar
Power 50 Hz	0.55–15.0 kW
Volume flow 60 Hz	85–1250 m ³ /h
Vacuum relative 60 Hz	up to -440 mbar
Power 60 Hz	0.66–18.0 kW

Sustainable reliability

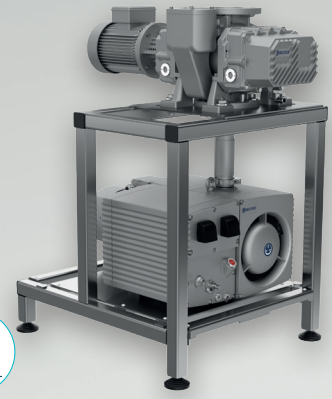
The standard components are maintenance-free and wear-free, ensuring sustainable long-term use and lower operating costs.

Simple integration

The compact devices can be seamlessly integrated thanks to their small footprint.

Customised configuration

The wide range of optional components (e.g. filters, silencers, valves) ensures optimum customisation to the process requirements.



PS 200/500–630/2000

Roots booster pumping stations



Specifications	
Volume flow 50 Hz	500–2000 m ³ /h
Vacuum absolute 50 Hz	<0.1 mbar
Power 50 Hz	6.2–22.5 kW
Volume flow 60 Hz	600–2400 m ³ /h
Vacuum absolute 60 Hz	<0.1 mbar
Power 60 Hz	7.0–26.0 kW

Higher process efficiency

The compact combination of a Roots booster pump and an oil-lubricated pre-pump optimises operations and enables partial centraliation.

Flexible and effortless installation

The space-saving design allows the system to be used exactly where it is needed.

Reliable operation

The integrated bypass ensures smooth and fast cycling processes.



Becker guarantees the use of
X-vanes a service life of
20.000 operating hours or
a maximum of 3 years.

Optional variant for: VT 4.10-40 (100 mbar abs.)



Further information and
details can be found on
our homepage.

WHY IS BECKER YOUR PARTNER?

Our expert team is ready to help you find the perfect pump for your specific application, environment, and operation.



OUR COMMITMENT CUSTOMER WISHES

As a family-run company and leading manufacturer of vacuum pumps and compressors for industrial applications, we combine strong traditional values with a continual drive for technological innovation. Our 140-year history is defined by reliability and integrity, with each generation preserving proven practices while embracing and advancing new industry developments.



OUR FOCUS VACUUM SOLUTIONS

We take the time to understand your needs and requirements, providing customised solutions for your industry. Discover not only outstanding individual products but also vacuum systems perfectly tailored to your production line.



OUR SERVICE CLOSE AND ACCESSIBLE

Our commitment extends beyond the sale of our equipment. We provide comprehensive service solutions – from initial consultation and installation, to regular maintenance and repairs – ensuring your vacuum pumps and compressors consistently deliver optimal performance. Our global sales and service network guarantees expert local support – wherever you are.



OUR PROMISE QUALITY

We understand that operating costs and unplanned downtime are major challenges. That's why our products are engineered to meet the highest standards of quality, efficiency, and durability – ensuring superior system performance and enabling maximum productivity both now and in the long run.

THE NEXT STAGE OF YOUR PRODUCTION EFFICIENCY

- ✓ Separation of production and vacuum pumps.
- ✓ Automatic control of the system according to production requirements.
- ✓ Reduced energy consumption for air conditioning in production.

Centralised system with three vacuum levels

The number and power of the pumps is variable.



HIGHER YIELD

A centralised vacuum system shortens evacuation times and increases the performance of the production machines.



CLEAN PRODUCTION

The elimination of decentralised individual pumps reduces noise, heat and oil mist - for better working and production conditions.



HIGHER OPERATIONAL SAFETY

Reliable reserve pumps minimise downtime, increase production efficiency and reduce operating costs.

2-MINUTE EFFICIENCY CHECK GET STARTED NOW AND SAVE!



No. of packaging machines

Thermoformer / Traysealer	10	↕
Table-top Vacuum Packaging Machines (volume <80l)	0	↕
Floor Vacuum Packaging Machines (volume >80l)	6	↕
Rotary Vacuum Chamber Machines	0	↕
Flow Pack Machines (Wrappers)	0	↕

Your priorities

Hygiene (noise, heat, oil mist emissions)	High
Energy savings	Med
Increase of cycle rates	High

Any upcoming measures planned in your production?

Production expansion	☐ yes
Extension/new construction	☒ yes

Calculate

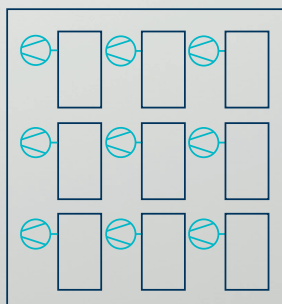
Congratulations! You have savings potential through vacuum centralisation.



Get started now with the [2-minute check](#) to see whether a centralised system can help you save!

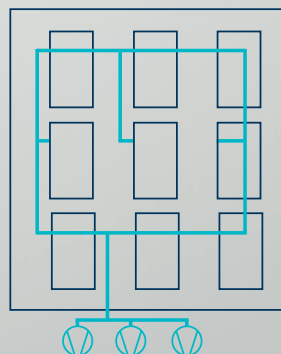
Before

Individual pumps



Afterwards

Centralised system



The pumps are connected to the production lines via appropriate pipework machines.



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**SUPER ROBUST
VACUUM PUMPS?**

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www.becker-international.com

