

The more efficient the design, the fresher the result...

Becker provides the right solution for every application: From traditional vacuum packaging in table-top and chamber machines to advanced process gas supply for tray packaging with oil-sealed or oil-free rotary vane pumps. Becker offers a broad range, from series products to customised solutions.



U5 - Quick and efficient way to package meat and sausages, cheese and dairy products or pastries in vacuum or protective atmosphere.

- Shortest evacuation times compared to industry standards
- Low installed motor capacity in direct comparison
- Highly efficient oil separation for extended maintenance intervals
- Compact structural dimensions: minimal footprint, easy integration into packaging machines without expensive special-purpose machinery
- Ideal for sensitive fresh products thanks to minimal heat emission



U5 O₂-PACK - The safe and simple way to package red meat under O₂ atmosphere

- Lifelong oil lubrication, no oil changes required
- Compact design, same overall length as the U5 series (series is not extended by an additional separation)
- New highly efficient 3-stage oil separation with minimum footprint
- Plus the same advantages as the other models of the U5 series



Booster/pump stand - The compact version for partial centralisation

- Efficient solution for both booster and pump stand applications
- Significant increase in evacuation speed compared to vacuum pumps which are integrated into packaging machines
- Various customisation options (frequency control, monitoring sensor system, signal output to the packaging machine)
- Booster pump with integrated bypass as a backup for packaging processes with quick cycling times for high operational reliability and availability



Central vacuum system - Improving system efficiency

- Consulting, commissioning, maintenance and repair from one single source
- Adaptation of the operational vacuum supply based on actual operational requirements
- Optimisation of the overall energy balance
- Centralisation in one location prevents the development of heat within the production hall saving energy costs for air-conditioning and reducing noise emission
- Dry compressing vacuum pumps as an alternative to compression principles based on oil lubrication
- Medium, rough, forming and high vacuum for even more efficient evacuation times and more economical operation of your centralised facility
- Control electronics compatible with all systems: allows simple adaptation, expansion and integration to various customer-specific requirements

Newer. Better. Faster.

BECKER U5 - High-performance vacuum pumps
Specifically designed for the food packaging industry.

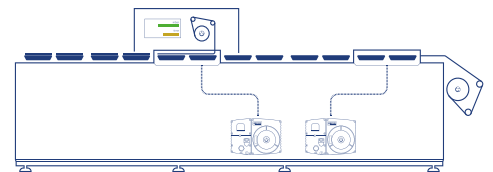


10,752 Becker solutions allow producing 10,752 more packages every day!

This figure is based on typical production conditions: A packaging machine can produce 10 cycles per minute, 60 minutes per hour in two-shift operation.

Using a typical filling format of 4 x 2, this setup can produce 8 packages per cycle.

$$10 \times 60 \times 16 = 9,600 \text{ cycles per day}$$



7%

In a facility with 6 packaging machines, the daily output therefore amounts to 460,800 packages. Using Becker high-performance vacuum pumps under the same production conditions will yield a **7% increase** in evacuation speed. This means an increase in production speed of 2.33% per machine.

$$\text{with Becker U5} = 471,552 \text{ packages per day} = + 10,752 \text{ packages per day}$$