



The new standard for hygiene,  
performance, and process reliability.  
Clean & Clever. The R 535.



Take a closer look.  
Consistent hygiene cycle after cycle.



# The new thermoform packaging machine R 535.

Feel free to push it to the limit.  
The new R 535 won't let you down.

When it comes to meeting and exceeding the strictest requirements for hygiene and absolute process reliability, we let only one company surpass us: our own. Our packaging solutions go far beyond the requirements set by international safety guidelines. Now Multivac has raised the bar one more time with the new R 535 – the new standard for thermoform packages and the flagship of a coming generation of thermoform packaging machines.

The R 535 is the high performance machine in Multivac's thermoforming machine line, and was developed to give you even more benefits: smoother packaging processes, more efficiency – and in the long-term, that which is most crucial for you: a higher level of profitability. Our new machine generation is engineered to deliver the results you need whether your business is in the food products sector, sterile medical goods, or other industrial and consumer goods.

What makes the R 535 so unique is its design and equipment. You profit from robust engineering and absolute reliability. It is backed by the comprehensive experience of the market leaders in thermoform packaging machines.

**The R 535. Clean & Clever.**



# Clean. Sanitary design.

## Hygiene begins with the smallest detail – and never stops.

By assuring the highest level of hygienic control, the R 535 will save you time – time that you can spend concentrating on other essential aspects of your business. That's just one example of Multivac efficiency.

**When you think of sanitary machine design, think Multivac.**

That's what our engineers think about for every packaging machine they design. More than ever, the R 535 and all future models of this latest machine generation are guaranteed to deliver the utmost in hygienic performance. That's Multivac.

**As clean on the inside as on the outside.**

**Streamlined for hygiene through and through.**

We have optimized the whole interior of the machine: The chain guide and chain design, lifting mechanisms and mechanical elements, motors and valves, as well as all cabling. By doing this we have simplified the cleaning of the R 535 even more. In addition, we have equipped the machine with easy-to-open frame profiles, which offer you direct access for cleaning and maintenance tasks. Contaminants have no opportunity to thrive. No packaging system offers better sanitary design inside the machine than the new generation of Multivacs.



### “Clean in Place” technology

**The R 535 almost cleans itself. With CIP.**

For those with even higher requirements for hygiene, Multivac is the first and so far only manufacturer of thermoform packaging machines to offer cleaning in place, or CIP. CIP is an automatic cleaning system with which the R 535 cleans itself almost on its own. The standardized, protocolled process ensures that preset cleaning cycles and mixing ratios of cleaning additives are consistent – through an extensive pipe system on the machine’s interior, and via a manual spray gun on the outside. With CIP, the cleaning of the machine is guaranteed to be carried out more safely and more precisely with less effort. Optimal sanitation achieved quickly, reliably and efficiently – the Multivac CIP system makes it possible for your business.



#### **A flawless exterior.**

**Geared toward hygiene from top to bottom.**

With the R 535 we have consistently avoided edges and corners. Instead, smooth, slanted surfaces assure perfect drainage of cleaning water and residual dirt. All coverings and panels of the lateral frame profiles can easily be opened towards the outside, flipped up, or removed. With no exterior threading, even the height-adjustable feet are sanitary.

#### **Optional special equipment. The cleaning position.**

A special cleaning position of the formatting tools, in which the tools are closed and heated to be protected from cleaning water and condensation – is optional.

Clever. Absolute process reliability.



## The R 535 – the safe bet for your packaging line.

You can rely on the R 535. In every situation. We have perfectly coordinated all elements and functions of the machine with each other. From the lifting mechanisms and the new direct drive system to the new IPC controls. The result is maximum packaging line performance and perfect packaging every time. That is what we consider to be absolute process reliability. Increase your packaging capacity and boost your overall efficiency for the entire line. With certainty – with the R 535.

**No one packages better.**

**It's probably the most efficient machine of its kind.**

With tool sizes of up to 1,300 mm cut-off length and up to 30 cycles per minute, the R 535 is one of the most efficient, if not the most efficient high performance machine available.

**Designed for high performance.**

**The optimized lifting mechanism.**

We have improved something that was already the standard on the market: our modular lifting mechanism. It stands for the superior lifespan and performance under high volume and borderline conditions, such as with large tools and sophisticated packaging formats.

**Improvement of the individual production output.**

All machines are equipped with the new IPC-control and its additional modes of operation as a standard. For example an efficient module for the production data acquisition (PDA) which also makes the display of the acquired operating conditions and reasons for stops possible. Via Ethernet and the optional OPC-interface the acquired data can be exchanged between the components of a packaging machine and a central data base. With it Multivac offers the condition for a permanently stable machine output and a simply to operate, stable process control.

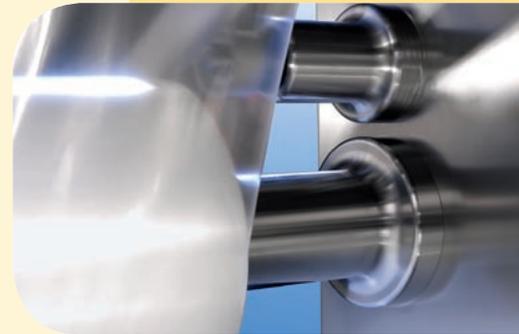
The Multivac equipment can be integrated in PC or server-based systems for evaluation and analysis reasons. This makes an efficient and stable storage, analysis and visualisation of the operating data and machine productivity, as well as of error reasons possible. For single machines Multivac provides a compact solution for directed processing and further transmission of the data – for it 20 pre-defined evaluations are available. For a wide-spread operation and customer individual connection of several packaging lines, Multivac co-operates with leading experts. Both solutions offer the customer a noticeable, additional gain: higher productivity, most possible availability – and as a result considerable savings potential.

**Change & go. For especially quick format changes.**

For everyone who frequently changes tools, we have developed a quick format change in a simple drawer procedure that can be carried out without disassembling the hot tool surface.

**A new standard. With an option to expand.**

No R 535 is like another. And yours is built exactly to your specifications. We offer you numerous equipment options, such as a film test program for individual parameter optimization and fine alignment according to film type. If you desire additional equipment, talk to us – we are ready to custom-build your next packaging system.



# Strong. The advantages of Multivac.

## What distinguishes a Multivac machine? The sum and abundance of all advantages.

Process reliability, sanitary design and modular construction are just a few of the excellent reasons to consider the R 535. Indeed, our new machine generation offers everything that Multivac has represented for more than 45 years: Superior, robust construction, the best packaging quality, and maximum reliability for the highest overall performance from a packaging machine.



### **Robust all around. Corrosion-resistant and absolutely reliable.**

The film transport chain, film die cutting, lifting mechanism, Intralox discharge belt, and the careful, strictly controlled fabrication of all additional assemblies and elements guarantee the long lifespan of a Multivac machine.

### **Perfectly sealed. With excellent sealing strengths.**

For more reliability and efficiency – especially under extreme conditions.

### **Engineered down to the finest detail.**

From the film intakes and IPC controls all the way to the cutting processes. Each Multivac machine has been meticulously constructed to the last corner and conceived for the greatest possible customer utilization.



**Tested and proven. Validation and calibration.**

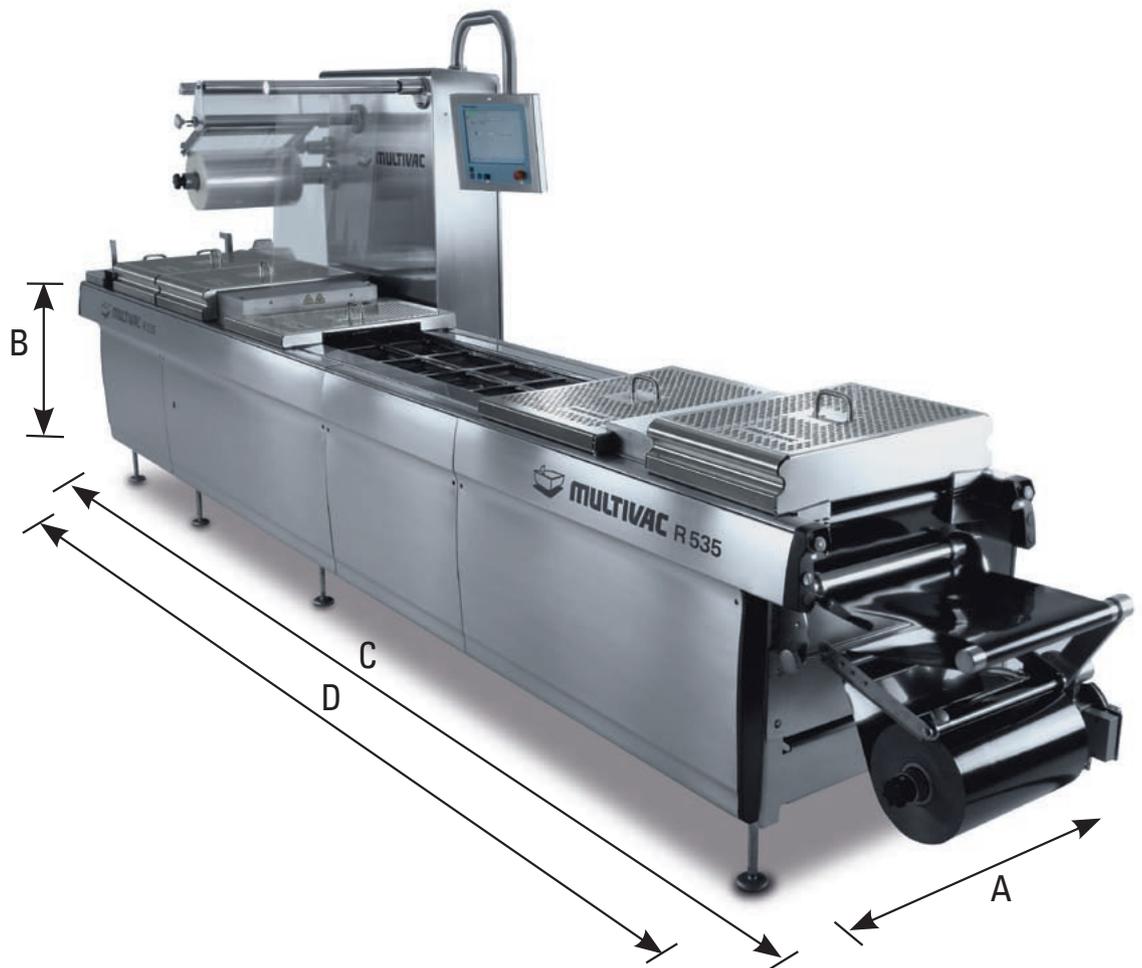
When it comes to packaging machines for sterile medical products, achieving the required levels in packaging reliability is based on the careful calibration of the central measuring instruments and a validation of the process and packaging results – another one of Multivac’s strengths. In compliance with ISO 11607 – for documented and reproducible process reliability. We are pleased to fulfill specific customer requests that go beyond the selectable, defined performances. Our medical packaging experts are ready to work with you.

**Superior service.**

Multivac service is hard to beat. If you have questions about the R 535 or another packaging solution by Multivac, one of more than 800 Multivac consultants and technicians worldwide is available for you at any time. From the determination of requirements and the construction and installation of your Multivac machine, to training, maintenance and future expansion. We’re there for you whenever you need us.

## Better Packaging – durably and quickly, for businesses of every size. Data and facts.

The R 535 offers everything that Multivac has represented for more than 45 years: a robust and durable construction, the highest performance and reliability, as well as superior packaging quality.



## R 535 technical data

### Nominal widths of the machine

**Nominal widths of standard machines:**

320, 355, 420, 459, 560 mm

**Nominal widths of special machines:**

from 220 – 650 mm in increments of 5 mm

**Machine width (A):**

Nominal width of the machine + 650 mm

**Machine height:**

approx. 1,900 – 2,000 mm

**Line height (B):**

850 – 950 mm

**Machine length (C):**

approx. 6,000 mm to 21,000 mm

**Frame length (D):**

5,000 mm – 20,000 mm

**Cut-off lengths:**

depends on the equipment to approx.  
1,300 mm

**Forming depth:**

depends on the equipment, max. 210 mm

**Packaging materials:**

thermoformable, hot-sealable films, flexible or hard, aluminum multi-layer films, compostable films hot-sealable tracks on a paper and cardboard base

**Reel diameter:**

standard film unwind up to 500 mm, resp.  
100 kg reel weight  
jumbo film unwind max. 1.000 mm

**Electric connection:**

standard: 3 x 400 V / 50 Hz  
3 x 220 V / 60 Hz  
other voltages available

**Compressed air:**

min 7 bar,  
usage depends on the equipment

**Cooling water:**

1.5 – 4 bar,  
usage depends on the equipment

A new standard for the  
highest performance. R 535.

[www.multivac.com](http://www.multivac.com)