

# VKF70

THERMOFORMING MACHINES



ENGLISH 



**IP 66  
HYGIENIC  
DESIGN**



**MEDIUM LARGE  
COMPANY**



**MEDIUM HIGH  
PRODUCTIVITY**



**36 MONTHS  
GUARANTEE**



**TOOLS  
FREE**



**STAINLESS  
STEEL**



**USER  
FRIENDLY**



**INTEGRATION**



## Types of packaging



## Packaging products



## VKF70: high technology for companies

The automatic thermoforming machine VKF70 was conceived for heavy duty and integration in packaging lines of intermediate complexity, it expresses its potentialities also in the interaction with other elements (automatic dosing system, multihead, systems of automatic loading). It meets the packaging requirements of a medium-large company of food, medical products and consumer goods. Stainless steel structure aisi 304, brushless motor. Transportation of the plastic film with stainless steel pliers aisi 304, lifting system of sealing and forming moulds both mechanical and pneumatic or electrical. Control and management with touch screen 12" control panel. Tensioning system for pre-unwinding of the plastic film with dedicated pneumatic or electrical arm. You can obtain packages in plastic material both flexible and rigid, therefore linear and perimetric cuts (shaped). Advanced HMI with TOTAL QUALITY CONTROL (TQC) systems, synoptic system to check and monitor the required production standards; VACUUM PERFORMANCE ANALYSIS, total vacuum control system obtained on the machine. User applications: sealing, skin with or without edge, MAP and vacuum.

# VKF70

HERMOFORMING MACHINES

## STRUCTURE AND DETAILS

Made in stainless steel to endure the hardest production environments and the most intense stresses. Aluminum inserts with anti corrosion and wear hard anodization treatment (anodic hard oxidation 40 µm).

## WASHING AND SANITATION IN PRODUCTION ENVIRONMENTS

Designed to endure intense washing cycles and frequent sanitations with IP 66 protection level. Fits all production environments and all sanitation treatments.

## FLEXIBLE AND VERSATILE IN MANAGEMENT AND FORMAT CHANGES

Fast management and format change without need of tools (tools free) and integration with other elements composing to packaging line.

## GUARANTEE AND RELIABILITY

Complies with the highest quality standard both in terms of structure and of components, to the extent of having as many as 36 MONTHS GUARANTEE of standard guarantee.

## AFTER SALE

Customer care at the international level for technical assistance, spare parts, complete revisions and support for the study of new packages or modifications to existing machines. System for the connection and monitoring of the machine with internet in protected network VPN.

## ERGONOMIC AND USER FRIENDLY

Designed ergonomically guaranteeing wide range for the management of the format and mould changes as well as maintenance.

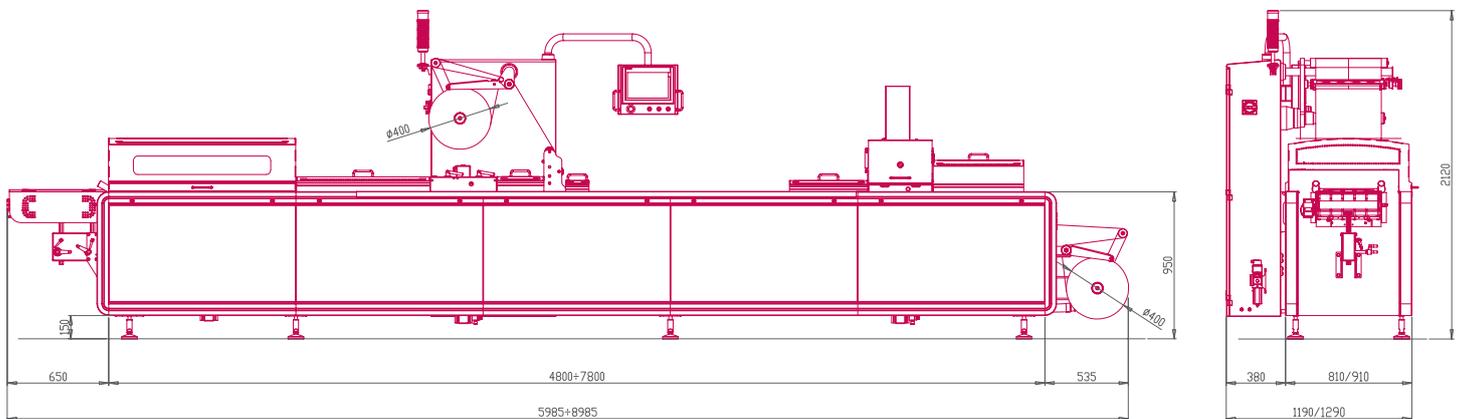
## HMI MANAGEMENT INTERFACE

Easy to control thanks to a touch screen colour control panel, run by a HMI graphically intuitive and understandable at all control panel levels. Developed in Windows CE environment on SIEMENS SIMATIC systems.

## ACCESSORIES

Oxygen analyzer, gas mixer, vacuum pumps, printer, labelling machine.

## Dimensions



## Technical characteristics

Machine length	from 5985 to 8985 with step of 600 mm	Pneumatic feeding (average consumption)	1700 NI/min
Machine width	1190 ÷ 1290 mm	Electrical components	Siemens, Toshiba, ABB, Sick, Phoenix Contact
Machine height (luminous turret excluded)	1970 mm (± 50 mm)	Mechanical components	Rossi Motoriduttori, Minimotor, Siemens, Iwis, SKF, Iigus
Loading area	960 ÷ 5400 mm	Pneumatic components	Festo, Parker
Loading area height	950 mm (± 50 mm)	Vacuum system components	Omal, Valvaut, Maros Engineering, Trelleborg
Machine weight (vacuum pump excluded)	1500 ÷ 2500 Kg		
Control panel height	1500 mm (± 50 mm)		
Lower film standard width	322 - 362 - 422 - 462 - 522 mm (+1 mm)		
Lower film special width	222 ÷ 522 mm (increments 5 mm)		
Feeding max. step	480 mm		
Forming max. depth	200 mm		
Film reel core diameter	3" (70 ÷ 76 mm)		
Lower film reel max. diameter	500 mm		
Upper film reel max. diameter	400 mm		
Construction	STAINLESS steel Aisi 304		
Control / command system	PLC and Touch Screen 12"		
Control / command interface	HMI Simatic Siemens - Windows CE		
Feeding system (Drive)	Brushless Motor		
Installed power (pumps excluded)	13-20 kW - 440 V - 50/60 Hz - 3P+N+GND		
Protection degree IP / NEMA	IP 66 / NEMA 4		

## Packaging

Production capacity	up to 21 cycles / min.
Application	Sealing - Skin - MAP - Vacuum
Lower film for RIGID packages	up to 800 µm
	PET - PVC - PS - PP
Upper film for RIGID packages	up to 450 µm
Lower film for FLEXIBLE packages	up to 400 µm
	PA - PP - Paper - Alu
Upper film for FLEXIBLE packages	up to 200 µm
	PA - PP - Paper - Alu - Tyvec - Skin