

# VTOPS-FRD-1000

BAG SEALER

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Operation Manual

郑州永特机械有限公司

ZHENGZHOU VTOPS MACHINERY CO., LTD.

## 目录

1.前言 Introduction.....	2
2.功能及简介 Function and Introduction .....	3
3.主要技术参数 Main Technical Parameters .....	3
4.主要结构及工作原理和调节方法 Main Structure, Working Principle and Adjustment Method .....	4
4.1 主要结构如图 The Main Structure is Shown in Figure.....	4
4.2.工作原理 Working Principle.....	4
4.3.各机构部分的主要调节方法 Main Adjustment Methods for Each Part: .....	5
5.面板功能说明 Panel Function Description.....	8
6.使用说明 Operation Instruction.....	9
7.电气原理图 Schematic Diagram .....	10
8.各部件分解图及名称 Exploded View and Name of Each Component: .....	11
9.常见故障排除 Common Troubleshooting.....	23
10.维护及保养 Maintenance .....	24
11.随机配件清单 Random Accessories List.....	25

## 1.前言 Introduction

感谢您选用本公司研发、制造的 VTOPS-FRD-1000 型自动薄膜封口机。FRD-100 型自动薄膜封口机是本公司在广泛吸取国外同类产品之精华的基础上，根据市场最新需求而设计的新一代封口包装机。该机构思新颖，结构简单，功能齐全，集推送、封口一次操作中，自动化程度高，能大幅度减轻操作人员的劳动强度。具有安全可靠，操作简便，热合快捷，封口美观、牢固等优点。

Thank you for choosing the VTOPS-FRD-1000 automatic film sealing machine developed and manufactured by Vtops Machinery Co., Ltd. VTOPS-FRD-1000 automatic film sealing machine is a new generation of sealing and packaging machine designed by our company based on the latest market demand based on extensively absorbing the essence of similar foreign products. The mechanism is novel in thinking, simple in structure, and complete in function. In one operation of set push and seal, the degree of automation is high, which can greatly reduce the labor intensity of the operator. It has the advantages of safety and reliability, easy operation, fast heat-sealing, beautiful seal and firmness.

为了帮助您正确使用和能够更好的发挥作用，安装使用前请仔细阅读本使用说明书，他将帮助您了解机器的基本性能、结构、操作及维护保养方法，便于您正确使用机器，使之发挥最佳性能，减少故障，延长使用寿命。

In order to help you use it properly and make it work better, please read the instruction manual carefully before installation and use. It will help you understand the basic performance, structure, operation and maintenance methods of the machine, so that you can use the machine correctly and make it work optimal performance, reduce failures and extend the service life.

特别声明 Special Statement:

1.对于说明书中阐述的所有参数和内容，本公司保留解释权;

The company reserves the right to interpret all parameters and contents described in the manual;

2.本公司保留对产品进行技术变更而不另行通知的权利。

The company reserves the right to make technical changes to the product without notice.

## 2.功能及简介 Function and Introduction

本机适用于塑料薄膜的封口、制袋，可广泛应用在食品、医药、化工、日用、种子等行业。

The machine is suitable for sealing and bag making of plastic film, and can be widely used in food, medicine, chemical, daily use, seed and other industries.

由于本机采用电子恒温控制和无极调速的传动机构，可封制各种不同材料的朔料包装袋，由于本机器体积小，应用广泛，封口长度不受限制，所以可与各种包装流水线配套使用。它将是工厂、商店批量产品包装的最佳封口设备。

As it adopts electronic constant temperature control and steeples speed regulation transmission mechanism, it can seal various kinds of material packaging bags. Due to its small size, wide application, and unlimited sealing length, so the sealing machine can be used in various packaging lines. It will be the best sealing equipment for factory and store bulk product packaging.

由于本机电气控制简单，合理而精制的机械传动，从而结构性能非常稳定，故障率极低，且使用寿命更长。可长时间连续工作，能满足大批量生产需求。产品经过该机的封口包装后，具有外形美观、整洁、防尘、防潮、防破损、便于搬运和储存。大大降低产品损耗，且具包装成本优势。

Because this machine has simple electrical control, reasonable and refined mechanical transmission, the structural performance is very stable, the failure rate is extremely low, and the service life is longer. It can work continuously for a long time and can meet the needs of mass production. After the product is sealed and packaged by the machine, it has beautiful appearance, neatness, dust resistance, moisture resistance, breakage resistance, easy handling and storage. Greatly reduce product loss and packaging cost is lower.

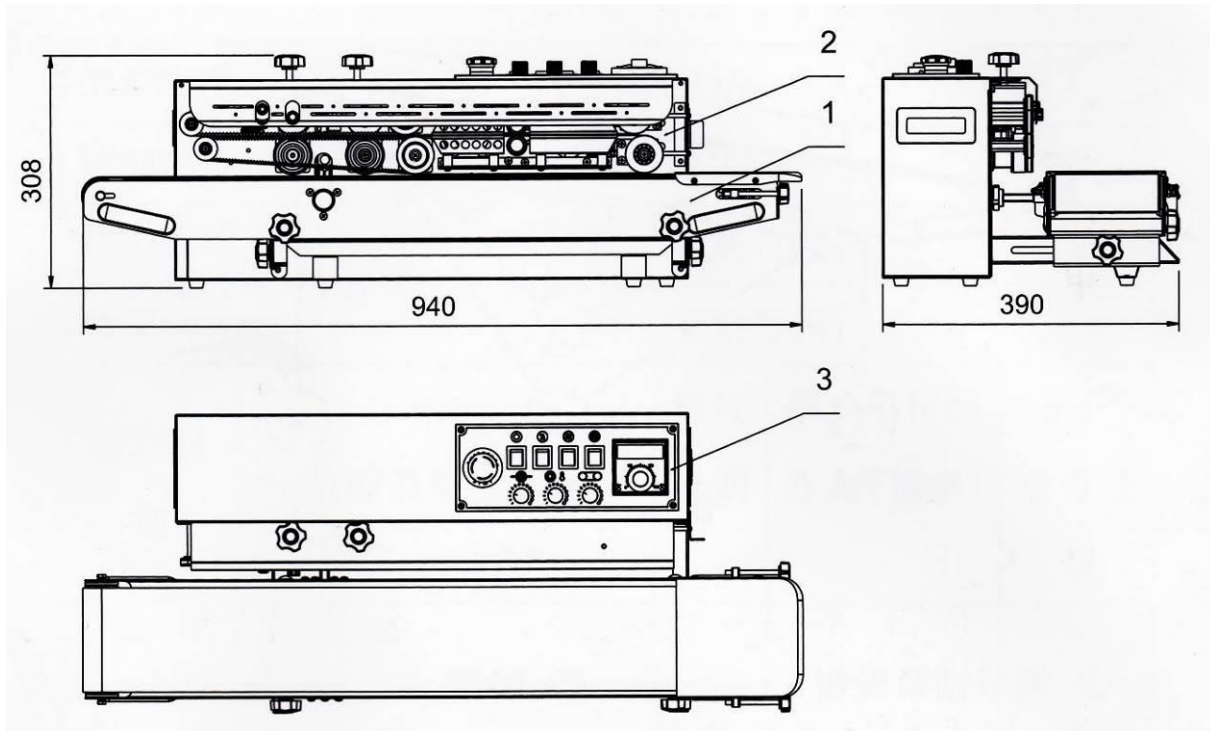
## 3.主要技术参数 Main Technical Parameters

型号 Model	Model I	Model II	Model III
电源 Voltage	110/220V/50~ 60Hz		
功率 Powder	770W		
封口速度 Sealing Speed(m/ min)	0~ 12		
封口宽度 Sealing Width(mm)	6~ 12		
温控范围 Temperature Range	0~ 300		
单层最大薄膜厚度 Max Thickness of Film	≤0.08 mm		
输送台最大负重 Maximum Load on Conveyor	≤3 KGS		
机器外形尺寸 Dimensions (mm)	940X392X420	924X 392X 308	
重量 Weight(Kg)	30	25	

## 4.主要结构及工作原理和调节方法

### Main Structure, Working Principle and Adjustment Method

#### 4.1 主要结构如图 The Main Structure is Shown in Figure



- (1). 输送部分 Transportation Part;
- (2). 机架及封口部分 Frame and Sealing Part;
- (3). 控制部分 Control Part;

#### 4.2. 工作原理 Working Principle

当接通电源后，电热元件产生热量，使上下两块加热块急剧升温，当温度达到温度控制仪所调至的温度时，将塑料包装袋的封口部分移送至上下封口带之间，塑料袋封口部位在封口带的夹持输送至上下加热块之间(加热区)，塑料薄膜封口袋受热软化后经压轮的挤压而粘合，经过封口带的夹持输送至两冷却块之间(冷却区)而定型，再经过压花轮滚压，使塑料封口袋封口部位压出条纹或网纹(也可是字码)。

When the power is turned on, the electric heating element generates heat, which causes the upper and lower heating blocks to rise sharply. When the temperature reaches the temperature adjusted by the temperature controller, the sealing portion of the plastic packaging bag is transferred between the upper and lower sealing tapes. The sealing part is conveyed between the sealing belt and the upper and lower heating blocks (heating area). The plastic film sealing bag is softened by heat and then squeezed by the pressure roller to be bonded (cooling area), and then embossing wheel rolling, so that the plastic sealing bag sealing part of the stripe or netting (also can be a code).