



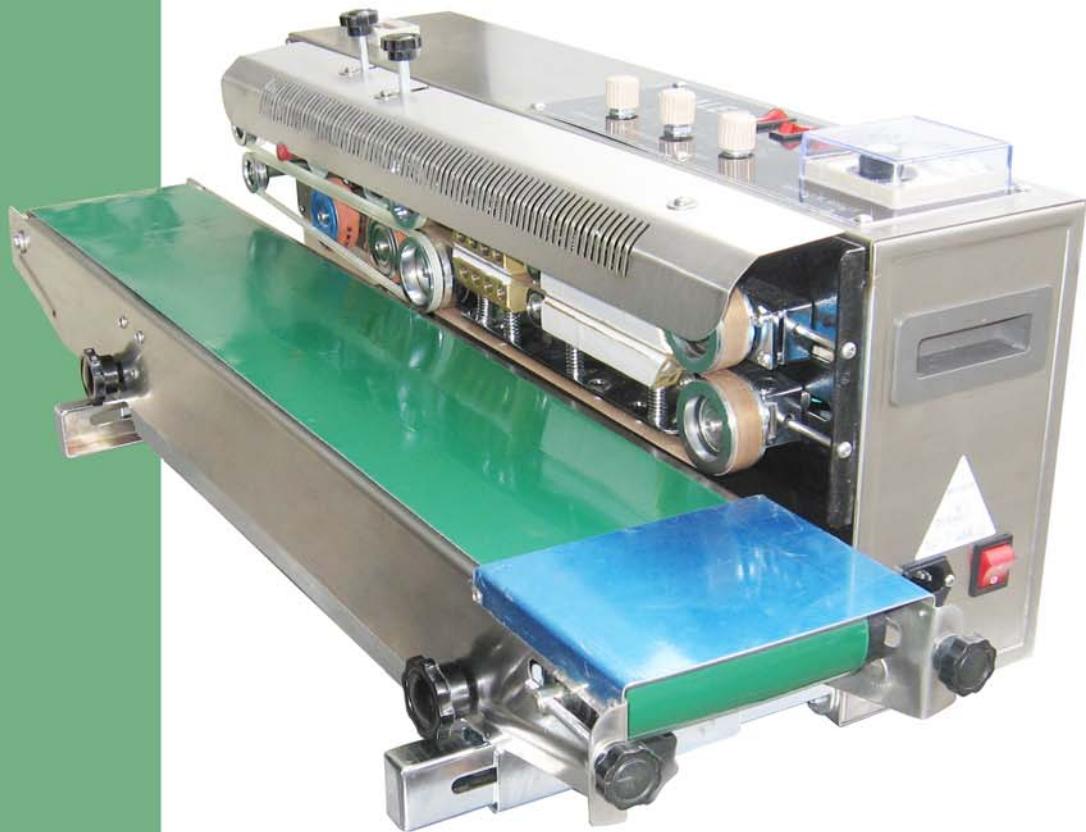
# VALUE-PLUS EQUIPMENT

**The Right Equipment at the Right Price!**

**Chopping Cutting Filling Grinding Mixing Packaging Slicing Stuffing**

## **OPERATION AND MAINTENANCE**

### **VBS-42H Band Sealer**



**We Provide  
technical support and  
service for all machines  
that we sell.**



## **VALUE-PLUS EQUIPMENT**

**The Right Equipment at the Right Price!**

**323-268-8514 800-421-6265**

**Stainless Steel  
Construction**

OPERATION AND MAINTENANCE  
VBS-42H  
Band Sealer

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VALUE-PLUS EQUIPMENT

DISTRIBUTED BY: MPBS INDUSTRIES

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## OVERVIEW

Development of the Value-Plus VBS-42H Band Sealer was based on years of experience combining the most advanced technology with feedback from our customers. It sequentially convey, seal code print (production date, batch number, etc.) in one operation. Most films that can be heated can be sealed and/or code printed by the machine.

This Band Sealer can be applied in many industries, including: food, cosmetics, pharmaceuticals, beverage, chemical, electrical and hardware.

### Partial Product List:

- Meat
- Poultry
- Fish
- Pie Fillings
- Produce/Vegetables
- Small Machine Parts
- Make-Up
- Pills
- Toys
- Small Objects



## *FEATURES AND SAFETY PRECAUTIONS*

### **FEATURES**

- Metal frame
- Belt speed control
- Temperature control
- Sealing width control
- Ink printing system

### **SAFETY PRECAUTIONS**

FAILURE TO FOLLOW THESE INSTRUCTIONS MAY CAUSE DAMAGE

TO THE MACHINE OR BODILY INJURY

1. Do not modify wiring. Have only a qualified and certified electrician install the plug on the Value-Plus VBS-42H Band Sealer as required. Make sure the machine is grounded; failure to do so could result in electric shock.
2. Always place the equipment on a level table.
3. The machine should be operated only by personnel who have been properly trained.
4. Do not leave the machine while running unattended.
5. Do not alter, bypass, or remove safety guards, safety interlock electrical switches, or any other safety devices.
6. Always disconnect the power supply before servicing or cleaning the machines.
7. If service or parts are needed, contact your nearest service dealer or Value-Plus Equipment for authorized parts and/or service.

## TECHNICAL SPECIFICATIONS AND ACCEPTABLE FILM MATERIALS

### TECHNICAL SPECIFICATIONS

#### VBS-42H Band Sealer

1.	Transmission speed	1 to 12 m (3 to 40 ft) per minute
2.	Maximum printed characters	20
3.	Ink Source	Solid ink wheel
4.	Electrical	110 V / 60 Hz / 1 Ø
5.	Transmission weight capacity	10 kg (22 lb)
6.	Sealing Temperature	0 to 300°C (32 to 572°F)
7.	Sealing Width	6 to 12 mm (¼" to ½")
8.	Sealing Length	No limit
9.	Film Thickness	.01 to .2 mm (.0004" to .008")

\* All specifications are subject to change without notice.

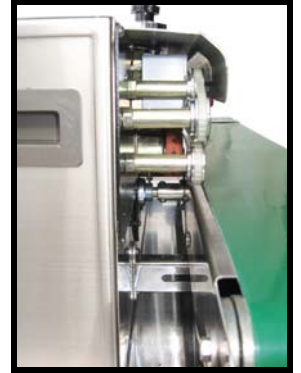
### ACCEPTABLE FILM MATERIALS

Film Composition	Sealing Temperature	Ink Temperature
<b>Polyester/lead/polypropylene 14/16/20</b>	<b>220 to 260°C 428 to 500°F</b>	<b>230 to 250°C 446 to 482°F</b>
<b>Polyester/polypropylene 6/160</b>	<b>175 to 220°C 347 to 428°F</b>	
<b>Polyester/Glassine 45/30</b>	<b>160°C 320°F</b>	
<b>Polythene</b>	<b>130 to 150°C 266 to 302°F</b>	

## *MACHINE FUNCTION AND SET-UP*

### **MACHINE FUNCTION**

1. Pouch is loaded onto conveyor belt.
2. Sealing element is positioned between the two sealing belts.
3. Pouch moves toward heated sealing block and is sealed.
4. Pouch moves to cooling area.
5. Pattern pressing wheel impresses netted pattern and reinforces seal.
6. Pouch is conveyed to printing device.
7. Photoelectric control triggers automatic printing wheel to imprint the sealed area.
8. Sealed and printed pouch is discharged from the machine by discharge conveyor belt.



### **SET-UP**

1. Adjust the height of the machine to accommodate the operator.
2. Connect the power supply to a grounded 110V grounded outlet.
3. Check moving parts and add lubricating oil if needed.
4. Because condensation may accumulate during periods of disuse, prior to the first use or after a long interval between operations, preheat the sealer at a low temperature for up to 30 minutes prior to operation.
5. Adjust the width of the transmission platform to accommodate the size and capacity of the filled pouch. Use the sealing roller as a guide to adjust the sealing width.



## *OPERATION AND ADJUSTMENTS FOR SEALING QUALITY*

### **OPERATION**

1. Adjust the printing position according to the pouch width; the factory setting is usually best.
2. Press the poser supply button on control panel [1] next to power cord; the indicator lights come on.
3. Press the Start/Heat Seal/Fan/Printer button; the corresponding indicator light comes on.
4. Use the speed adjusting knobs to set the speed and adjust as needed.
5. When the green ON light has changed to red, proceed with sealing operation.
6. When using single layer film, press the FAN button; the fan indicator light will come on and the cooling fan will start.
7. To preserve the life of the heated components, turn the machine off when it is not in use. Limit machine operating times to 15 – 20 minutes.

### **ADJUSTMENTS FOR SEALING QUALITY**

1. The ideal sealing temperature and conveyor speed will vary with the packaging material thickness and package size. Test to determine the settings that yield the best results.
2. For single layer film (e.g. normal polyethylene), start the fan. Increase the temperature gradually to avoid melting the film or causing it to stick to the belt. In the event that film does melt and stick to the belt, remove it immediately.
3. Sealing temperatures will vary more for compound film materials. The cooling fan may not be needed.
4. Care must be taken to adjust the pressure of the embossing roller. Appropriate pressure yields a clear seal. A vague pattern indicates an inadequate seal and insufficient pressure. Excessive pressure will reduce the life of the sealing mechanism.

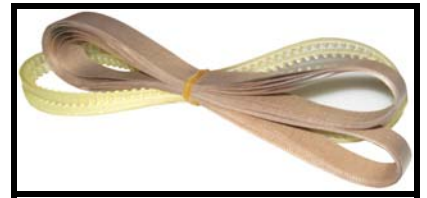
## *ADJUSTMENTS FOR PRINT QUALITY*

1. Variables that affect the print quality include the ink temperature on the ink wheel, the distance between the ink wheel and the print wheel, and the distance between the silica gel and the print wheel.
2. It will take about 15 minutes for the machine to heat to the temperature required to melt solid ink on the ink wheel: 230° - 250°C (446° - 482°F).
3. To avoid excess ink, increase the distance between the ink wheel and the print wheel when using a new ink wheel; decrease the distance as the ink is consumed.
4. The factory distance setting between the silica gel wheel and the print wheel is best for most applications. It may require adjustment if the package is unusually thick or thin.
5. Run several test prints at 230°C before actual operation and adjust the distance between the ink wheel and print wheel to yield the best result.
6. If the temperature is too low, the printing will be light and difficult to read.
7. If the temperature is too high, there will be excess ink and images will not be crisp.



## *REPLACING THE SEALING BELT AND CHANGING PRINT CHARACTERS*

### **REPLACING THE SEALING BELT**



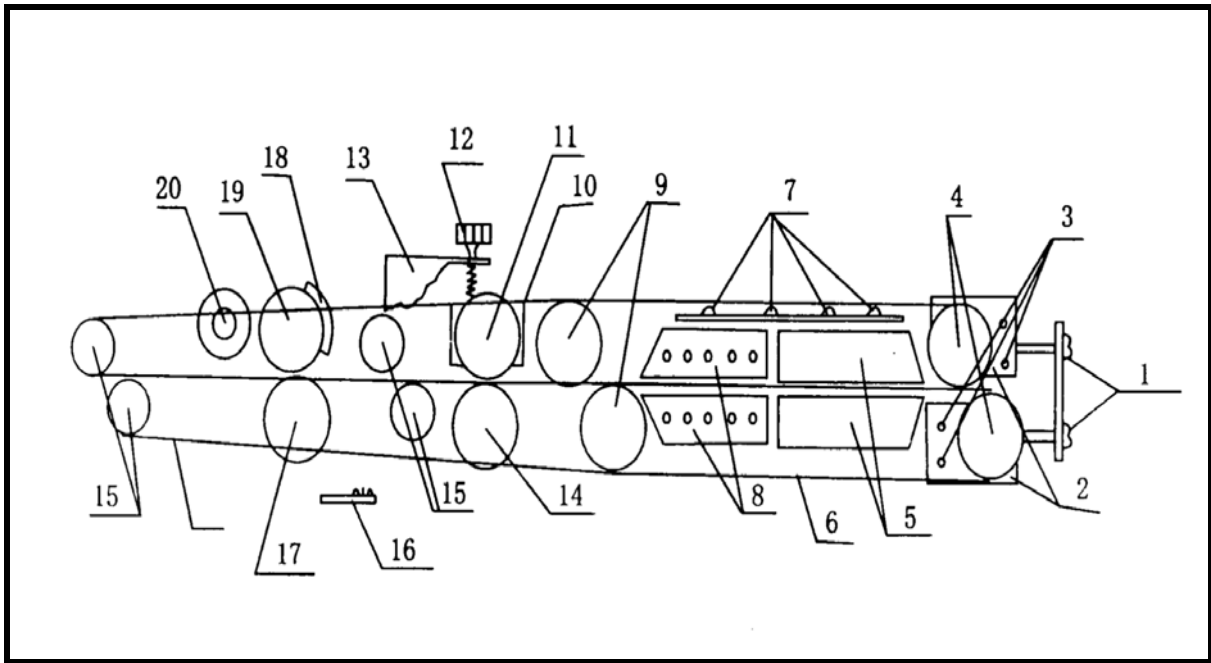
1. Remove the protective cover and the leading rubber belt.
2. Loosen the tension adjusting screw; move the wheels A and B to enable removal of the sealing belt. CAUTION: The tetrafluorine sealing belt is fragile and easily damaged; handle it carefully.
3. After installing the new sealing belt, use the tension screw to tighten it to the point where it does not slip when running. Tightening the belt too much will shorten its life.
4. Replace spacers 1, 2, 3 and 4; test the machine's operation without heat. If the position needs correcting, make the necessary adjustments by turning screws A, B, C and D.

### **CHANGING PRINT CHARACTERS**

1. Remove the set screw on the right side of the print wheel.
2. Remove the spring knob on the front cover.
3. Replace the new characters.
4. Replace the spring knob and set screw.



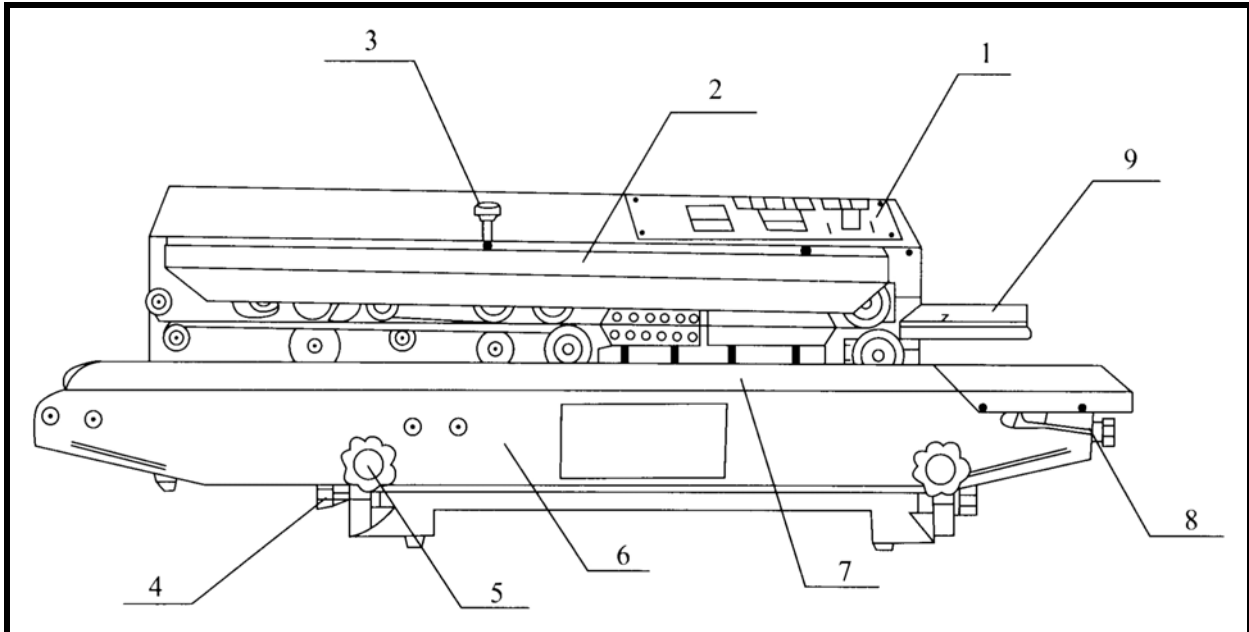
*PARTS DIAGRAM*



- |                            |  |
|----------------------------|--|
| 1. Pull Adjusting Screw    | 12. Pressure Adjusting Knob for Pattern Pressing Wheel |
| 2. Passive Wheel Stand     | 13. Protection Casing                                  |
| 3. Adjusting Screw         | 14. Rubber Wheel                                       |
| 4. Passive Wheel           | 15. Leading Wheel                                      |
| 5. Heating Block           | 16. Photoelectric Switch                               |
| 6. Scaling Belt            | 17. Silica Gel Wheel                                   |
| 7. Position-Setting Spacer | 18. Letters  |
| 8. Cooling Block           | 19. Printing Wheel                                     |
| 9. Driving Wheel           | 20. Ink Wheel  |
| 10. Printing-Wheel Stand   | 21. Leading Rubber Belt                                |
| 11. Pattern Pressing Wheel |  |

## PARTS DESCRIPTIONS AND PACKING LIST

### PARTS DESCRIPTIONS



- |   |                                     |
|---|-------------------------------------|
| 1. Controlling Board                          | 6. Transmission Platform            |
| 2. Protection Casing                          | 7. Transmission Belt                |
| 3. Pressure Adjusting Knob for Pressing Wheel | 8. Transmission Belt Adjusting Knob |
| 4. Entry-Exit Adjusting Knob for Transmission | 9. Sealing width setting shelf      |
| 5. Transmission Height Adjusting Knob         |                                     |

### PACKING LIST

No	Name	Quantity	No	Name	Quantity
1	Main Machine	1	7	Entry	1
2	Choose Screw Driver	1	8	Test Pencil	1
3	Letter	1 Case	9	Spanner	2
4	Operation Instruction	1	10	Sealing Belt	6
5	Curve Spanner	1	11	Leading Belt	2
6	Fuse Pipe	4			

## Value-Plus Equipment Limited Warranty

LIMITED STANDARD WARRANTY: Value-Plus Equipment warrants to the original purchaser that all new equipment is free from defects in non-wearable material and workmanship for six months from the date of shipment. Claims must be made during that period and are limited to the replacement or repair of non-wearable parts determined to be defective.

This Limited Warranty is valid only when the product has been properly installed and subject to normal use and recommended maintenance. This Warranty shall not extend to products that have been misused, neglected, altered, or repaired without Value-Plus Equipment's authorization during the warranty period. Operating conditions beyond our control such as improper voltage, air or water pressure, excessive ambient temperatures or moisture, or other conditions that would affect the performance or life of the product will also cause the Warranty to become void.

Permission to return parts for warranty repair must be obtained and all returns must be prepaid to Value-Plus Equipment. If, after examination, the product or part is found to be defective, it will be repaired or replaced without charge and returned, FOB Value Plus Equipment. If it is determined that the Warranty has not been breached, then the usual charges for repair or replacement will be assessed, FOB Value-Plus Equipment.

Wearable and expendable parts (including, but not limited to, bearings, seals and gaskets) are excluded from this Warranty. Periodic maintenance of equipment is not covered under this Warranty.

Value-Plus Equipment's maximum liability shall not, in any case, exceed the contract price for the product, part, or component claimed to be defective. Value-Plus Equipment assumes no liability for any special, indirect, or consequential damages arising from defective equipment, product being processed or packaged, or any packaging materials being utilized on equipment provided by Value-Plus Equipment.

THERE ARE NO WARRANTIES IMPLIED OR EXPRESSED THAT EXTEND BEYOND THOSE CONTAINED IN THIS LIMITED STANDARD WARRANTY.