

## **Rotomatic (RTBV)**

Engineered for quality, production and reliability, the Unipress Rotomatic Triple Buck shirt press incorporates state of the art design expertise. Unipress has earned a reputation for manufacturing robust equipment that you can count on day after day to produce quality shirts at high production rates. Uniting our traditional features with the latest technology, the Rotomatic sets new standards for production, quality and reliability.

The Rotomatic is designed to produce in excess of 200 shirts per hour with one operator. The high production rate is due to the ease of operation and dressing combined with a fast smooth rotary transfer system. While the operator is dressing the first buck, the second is being pressed and the third buck is being automatically unloaded. The body of the shirt is pressed by two highly polished plated contoured chests. The sleeves are finished by a steam-air injection system as the body is being pressed.

Weighing over 4,000 lbs. the Rotomatic unit is built to last. The robust construction is enhanced with a simple design (fewer moving parts) to provide years of trouble free service.



### **Features:**

- **Contoured Chests**
- **Pneumatic Unloader**
- **Superior Sleeve Finish**
- **Formed Buck/Non-porous Air Bags**
- **High Pressure Squeeze**
- **Vacuum Buck/Tail Clamp**
- **Stepper Motor Drive System**
- **Microprocessor Controls**

### **FORMED BUCK/NON-POROUS AIR BAGS:**

In order to achieve consistent high quality shirts, the Unipress Rotomatic utilizes a formed bucks and non-porous air bags. The bucks have a specially designed form allowing them to be easily dressed. The form enhances quality by working with the non-porous air bags to shape and mold the shirt to its original cut. The non-porous air bags (acting as side expander blades) are inflated with low pressure compressed air shaping the sides of the shirt. Working in tandem, the formed bucks and non-porous air bags handle the widest range of shirt sizes possible.

### **CONTOURED CHESTS:**

The symmetry of the contoured chests, formed bucks and non-porous air bags enables the Rotomatic to produce top quality industrial shirts. The contoured chests enfold the buck, pressing the front, back and sides of the shirt. Designed to give fast efficient heat transfer, the chests are constructed with high grade nickel-plated steel.

### **SUPERIOR SLEEVE FINISH:**

A highly efficient heat exchanger coupled with steam and air injection makes it easy to achieve an excellent finish to the sleeves. The automatic two step procedure is initiated when the buck is in the

pressing position. First, steam is used to relax the fibers, then hot air from the heat exchanger dries and finishes the sleeves as the body is being pressed.

### **HIGH PRESSURE SQUEEZE:**

The buck is rotated into the pressing position upon which a two stage head closure and squeeze is activated. The contoured chests are rapidly closed by a toggle arm and pneumatic cylinder. The chests close around the buck by means of Unipress' unique air actuator system applying a high pressure squeeze. This guarantees a uniformly pressed shirt.

### **VACUUM BUCK/TAIL CLAMP**

The RTBV offers the distinct advantage of flexibility. Depending on the type of garment being processed the operator can use a conventional tail clamp holding mechanism or switch to a vacuum buck system. This is easily accomplished by removing the tail clamp and turning the selector switch to vacuum. Equipped with a 5 hp blower motor the vacuum is strong enough to hold even a dry shirt.

### **STEPPER DRIVE MOTOR SYSTEM**

The transfer system for the RTBV is controlled by a stepper motor. The SMT controls the drive speed of the bucks. It automatically accelerates and decelerates the bucks as they rotate into position. The simple design of the transfer system allows for a fast smooth transfer and precise alignment of the bucks. This system features few moving parts which reduce wear and tear.

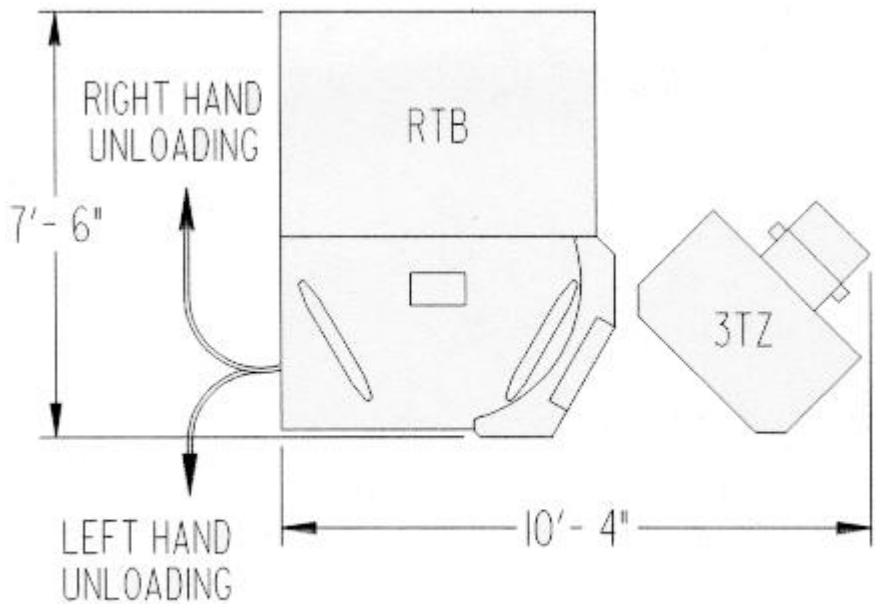
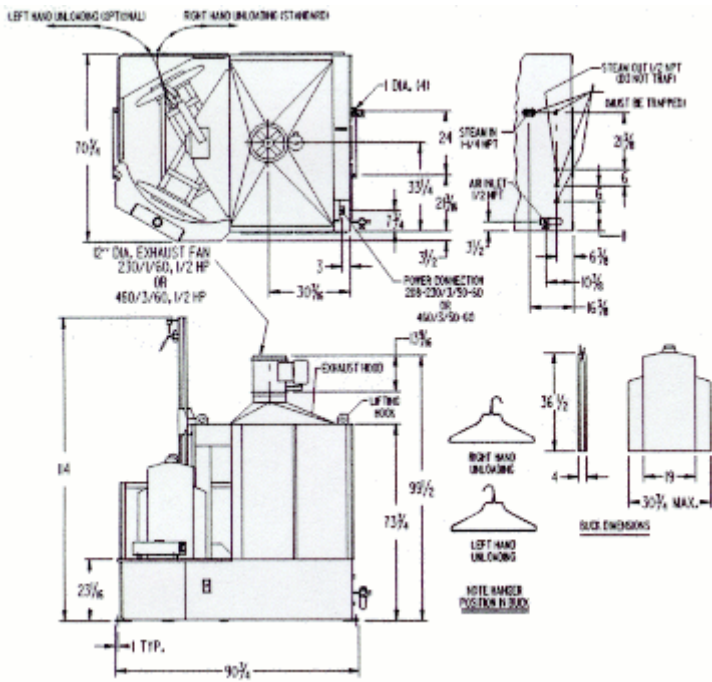
### **MICROPROCESSOR CONTROLS**

The microprocessor coordinates the sequence of the machines functions. The steam and air cycle timers can be easily adjusted without having to reprogram. The microprocessor has self diagnostics making it extremely easy to trouble shoot. It is isolated from the environment in a fan cooled control box.

### **PNEUMATIC UNLOADER:**

The innovative design of the unloader makes it extremely reliable in removing the shirt from the buck. The opening of the jaws allows it to accept a wide range of hanger variations. The shirt drop off can be readily changed in the field from right-hand to left-hand.

A "mend line" switch is a standard feature on the unit. If the operator observes a defect in a shirt, it can be diverted by depressing the "mend line" switch.



**ONE OPERATOR TRIPLE BUCK UNIT**  
**RTB Rotary Triple Buck, 3TZ Triple Head**