

# industroMAC Sleever

## *Make industrial flat or tubular plate separator sleeves.*

- ◆ Easily adjustable
- ◆ Fast and Easy Operation
- ◆ Durable

The **industroMAC Sleever** forms separator material into a sleeve and ultrasonically welds the edges of two separate strips of thermo-plastic separator material. The resulting sleeve has a rectangular cross section that can be cut to any desired length from 152mm (6 inches) minimum and can be run continuously.

### **Highly Adjustable -**

Makes a finished sleeve from 102 to 228 mm (4 to 9 inches) wide, 152 mm (6 inches) to continuous length.

The **industroMAC Sleever** can handle thermoplastic separator materials in widths of 127 to 241.3 mm (5 to 9-1/2 inches). This material can then be formed into a sleeve 102 to 228 mm (4 to 9 inches) in width and 152 mm

(6 inches) to continuous long (with a specific tolerance of 1.6 mm (.063 inches) from desired length). This adjustability lets you make sleeves for a variety of positive or negative plate sizes.

### **Fast and easy operation -**

One person can easily handle the production rate of 5080 mm (240 inches) per minute.

The operation of the **industroMAC Sleever** is almost entirely automatic. The sleever's microprocessor controls are easy to operate and require little maintenance. An operator is primarily needed for loading rolled separator stock, unloading sleeves and making any changeovers.

All changeovers on the **industroMAC Sleever** can be handled by one operator with a minimal of downtime.

Typical stock roll changes can be done in as little as two minutes. Length changes can be accomplished in three to five minutes. And a width change – which requires changing the stock roll, adjusting the feed guide, changing the mandrel,

repositioning the ultrasonic guns and coolant arms, adjusting the puller rollers and resetting the length counter – can be done in just 30 minutes.

This minimal downtime helps keep your production rates high.

### **Durable -**

The **industroMAC Sleever** is designed for years of trouble-free operation. Even its knife (used to cut the thermoplastic) has a typical operational life in excess of 8 months. Other replacement parts have equally long operational lives. A variety of thermoplastic materials can be used with the **industroMAC Sleever**, including diagonal ribbed material (12.7 mm (1/2 inch) non-ribbed edge necessary for folding and sealing).

### **Energy Efficient -**

The **industroMAC Sleever** operates on typical 230/460 volts with 110 volt controls. This requires a minimal amount of kilowatt/hours for a maximum in energy savings. The **industroMAC Sleever** requires no other fuel sources, except for compressed air.



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## **TECHNICAL SPECIFICATIONS**

### **Required User Data:**

- Specify the electrical requirement
- Specify the size of plate to be sleeved
- Specify width and thickness of envelope material

### **Foundation requirements:**

- Standard 102 mm (4-inch) thick reinforced concrete floor or pad. Holes for lag bolting to floor are provided.

**Production Rate:** 5080 mm (240 inches) per minute.

### **Ultrasonic Welding Capability:**

.15-.76 mm (.006 to .030) inch thickness of thermoplastic material measured in land area not over rib.

**Plate Handling Capability:** Plate thickness range - 2.54 mm (.100 inches) minimum to 8.89 mm (.350 inches) maximum.

**Sleeve Ribs:** Production possible with ribs inward or outward.

### **Programmable Controller:**

Pre-programmed; controls operating functions.

### **Operational Requirements:**

**Personnel:** One, semi-skilled

**Standard Electrical:** 230/460V, 3.5 kVA 3 Phase, 60 Hz

**Hydraulics:** None

**Compressed Air:** 35 SCFM @ 80 psig (991 standard liters/min. @ 5.5 bar)

**Ventilation:** None

### **Approximate weights and dimensions:**

**(2 crates):**

**Inlet:** 2717x1320x2337 mm (106x52x92 inches)  
1179 kg (2600 lbs)

**Outlet:** 2540x2057x1778 mm (99x81x71 inches)  
816 kg (1800 lbs)



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