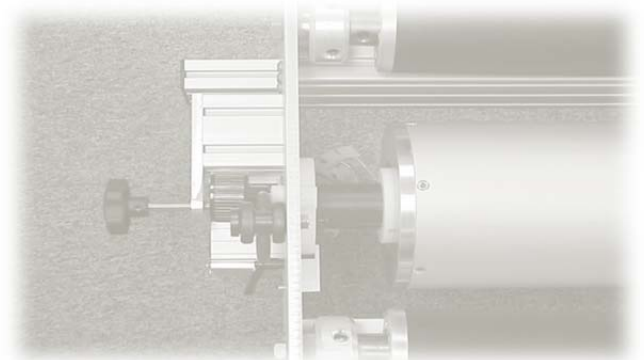
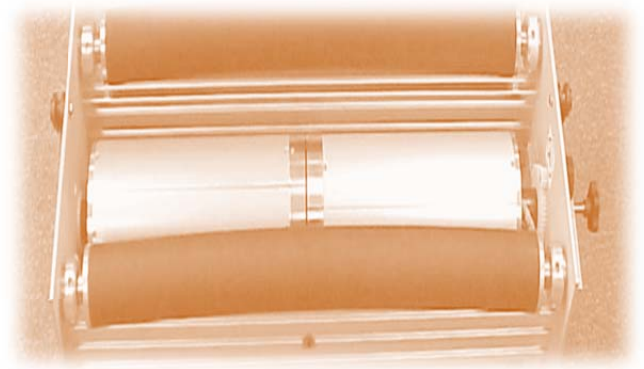
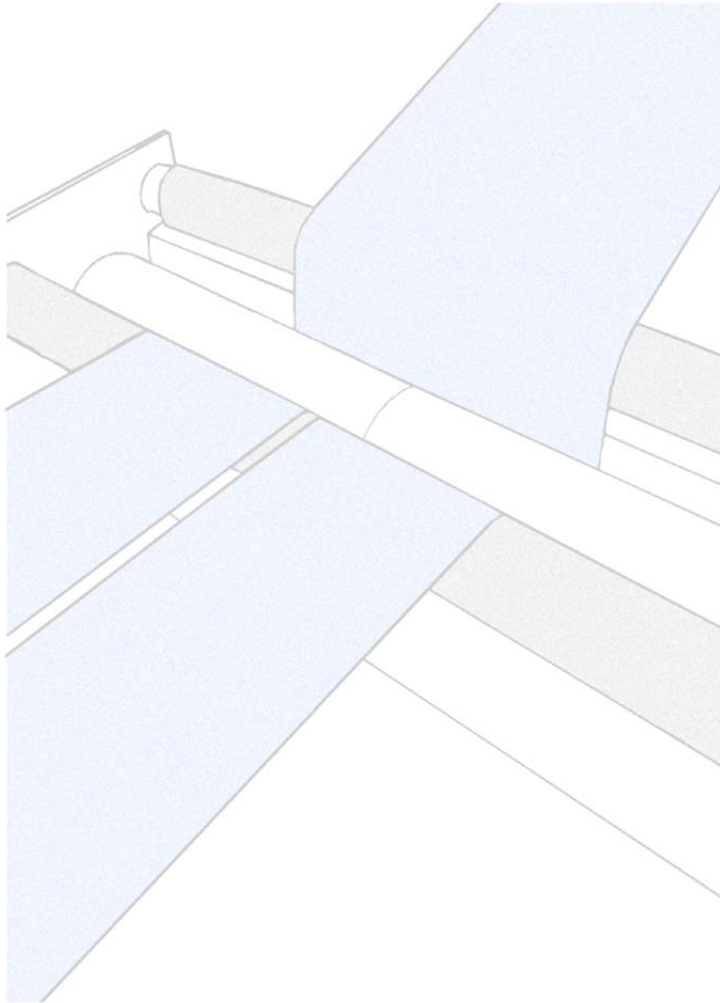


# Seal-Cut

*Machine Directional Seal and Cut*



*When You Need Solutions  
...Not Just Answers®*

# Machine Direction Sealing

## High Quality Seal-Cut Technology

Some applications require stronger, cleaner and more reliable seals. The D. R. Joseph Seal-Cut provides a solution for high-speed, machine directional sealing. The innovative approach of this unit reverses the traditional slit seal process and creates a stronger seal you can trust. That means no more returns from customers due to failed seals. Designed for “2-up” applications, there are various sizes and mounting solutions that you can make work in line, or attached to winders, bag making machines, printers and rewinders. The result is a **bullet proof seal** that you can count on.

## Performance & Benefits

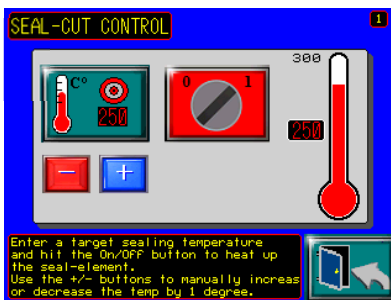
- Superior Seal Strength
- Line Speeds up to 1000 ft/min
- Film Thickness up to 6 mil
- Low or No Static buildup on Film
- Simple Design Concept
- Consistent and Reliable
- Convert Master Rolls into Smaller Rolls
- Reduce Production, Maintenance & Equipment Costs



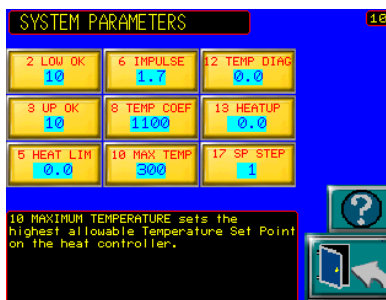
## Features

- Size Range 24” – 100”
- 5 Product Specific Blade Designs
- Low Maintenance
- Seal Element Cleaning Tool
- Instant-Heat Start/Stop
- Capable of Seal without Cut
- Seals Many Different Film Blends
- Remote Monitoring via WinViewer
- Display in either °C or °F

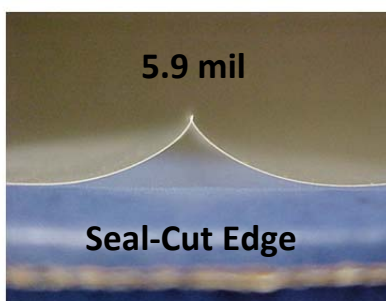
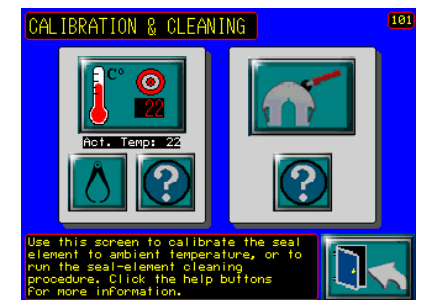
*Intuitive Touch Screen Control for Easy Adjustment*



*Password Protected Sealing Parameters*

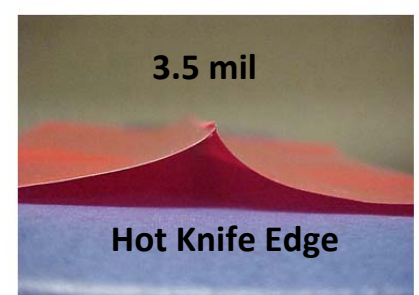


*Simple Calibration and Cleaning Operation*



## Advantages over Hot Knife

- Stronger Seal
- Safer Operation
- Longer Blade Life
- Better Seal Quality
- Less Seal Edge Gauge Gain
- Seal Material is not Crystallized



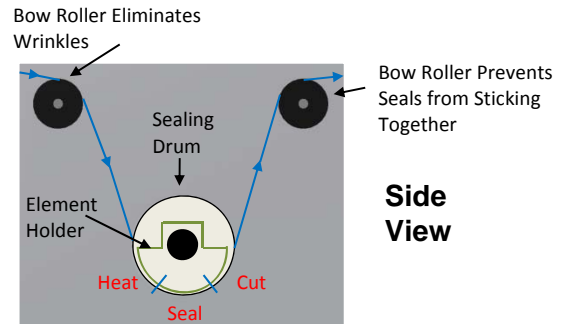
# Machine Direction Sealing

## Film Path through the Unit

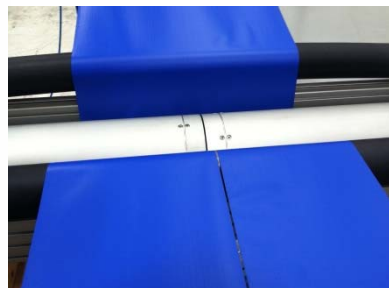
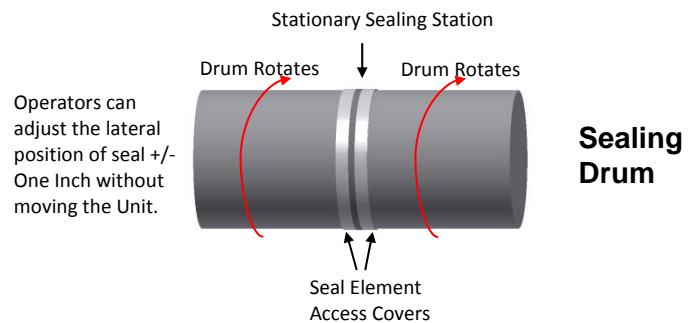
The diagram to the right shows how the film goes through the unit. The film passes under the sealing drum which contains the stationary element holder. The element itself has three separate zones; preheat, seal and cut. This three zone approach yields a sealing process that is more gradual and less of a shock to the film.

## Better Technology

The Seal-Cut reverses the process commonly known as slit-seal. Instead of slitting the material and then sealing it, the material is first preheated, then sealed and then split. This results in a clean seal, even on materials up to 6 mil. For most materials, we use a significantly lower sealing temperature than the hot knife systems. For instance, a hot knife is usually set between 700°F and 900°F. The Seal-Cut is set at about half of that temperature. The benefit of using a lower seal temperature is that the polymer is not crystallized. The result is a high quality seal that has excellent strength along the seal edges in both the transverse and machine directions.



The Seal Element Holder is adjusted by the operator to provide proper dwell of each zone. The Seal Element Holder does not rotate with the drum.



Clean, Strong and Reliable Seal Edges



Convenient Cleaning Tool

## Test Rolls

The Seal-Cut units are custom built to your requirements in our Arlington facility. Each machine is fully tested before shipment.

We also have a test facility that allows you to evaluate the results of the Seal-Cut before buying a unit.

If you are interested in having us run a test roll for you, please contact us for details on sending your roll in for testing.





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Our motto really says why we are in business. *To provide our customers with solutions... not just answers.* It sounds simple, but it requires a certain diligence to see a customer's problem all the way from onset to solution. Our employees and our service people have that diligence. Our company has been developing solutions for the blown film industry since 1987 and we feel our success is measured in our customer's success.

"...though it costs all you have, get understanding." That is the driving principle that pushes us to find the solutions. We continue to work on a problem until we understand it. Once the problem is understood, corrective action is possible.

Our company maintains standard working hours of 8:30 am to 5:00 pm, yet we cover the entire globe of time zones with remote office sites, remote email, and cell phones. We use a network of technicians in Canada, Europe, Africa, New Zealand, Japan and the United States to provide technical support to our customers and we have developed an assortment of training materials and self-diagnosis tools for those more experienced with process control systems. We work to make sure every product we produce will integrate with our existing equipment. Every upgrade has to be an easy retrofit.

Our offices are located centrally in one of the largest metropolitan areas in the United States, Dallas/Fort Worth. With the DFW airport nearby, we have the optional ability to ship systems and spare parts as late as 9:00 pm and still have the parts arrive the next day. From the airport, our offices are only 25 minutes away, so customers have a short drive to our area. Hotels, restaurants, professional sports teams, and golf courses make this area a very enjoyable visit.

Our training facility allows us to demonstrate equipment setup, how it is supposed to work, and how to service and repair it. We also provide training on the blown film process to ensure that technicians understand the environment in which they will be working.

We look forward to providing your company with a solution to a nagging bubble instability, low production rate, or excessive scrap rate problem. That's our specialty!

For more information on any of the products or services offered by D. R. Joseph, please contact us at:

D. R. Joseph, Inc.  
921 W. Harris Rd.  
Arlington, TX 76001 USA

In North America: 800-767-4470  
Ph: +1-817-987-2030  
Fx: +1-817-987-2043

Email: [sales@drjosephinc.com](mailto:sales@drjosephinc.com)  
Web site: [www.drj1.com](http://www.drj1.com)

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