

Blown Extrusion – Cast Extrusion Split Box

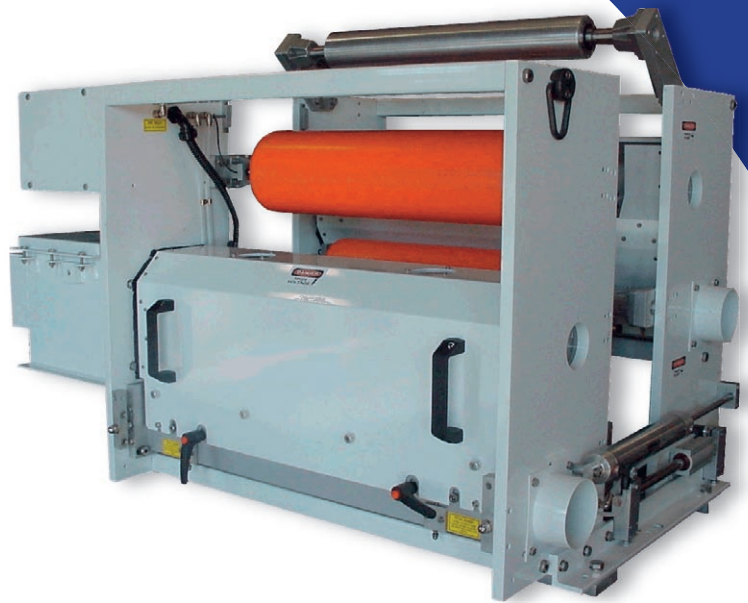
The Split Box is an economical system promoting ease of thread-up.

Easy Installation

Standard mounting brackets and lifting eyes make installation quick and easy. The high voltage transformer is mounted directly to the station with all high voltage connections factory wired and tested.

Quick Start-Up

The easy-thread, “drop through” design enables operators to thread the web through the station in seconds.



Durable

- Stainless steel electrodes for reduced contamination and easy cleaning.
- In order to protect the treater rolls, a zero speed switch automatically shuts down the power supply when the web achieves low line speeds.
- Roll bearings are outside of ozone environment and are covered to prolong bearing life.
- Easy view windows allow clear unobstructed view of corona discharge.
- Electrodes are provided with optimal support to enhance rigidity and eliminate sagging.

Versatile

With Pillar’s stainless steel segmented electrode design and removable electrode styles, users can alter the treat width or lane treat according to application.

Safe

- Safety interlocks prevent operation of power supply if access covers are removed or if station is in the thread-up position.
- Electrode area is completely covered by lightweight aluminum panels.
- Built-in exhaust flanges allow for easy connection to ozone exhaust blowers or ozone destruct systems to protect the plant environment from ozone emissions.

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Additional Features Include

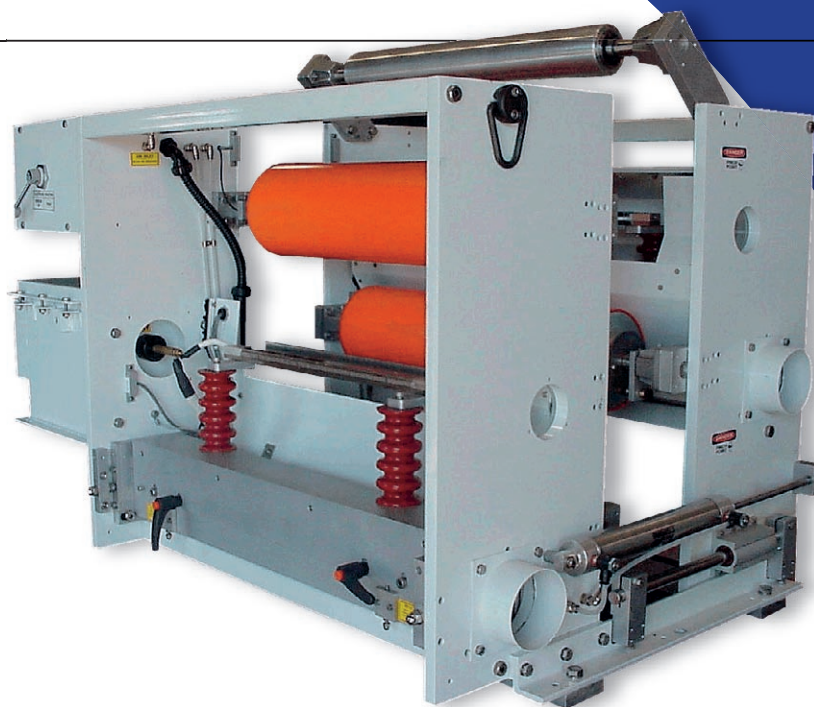
- Easy roll removal through top of station
- Air gap adjustment: two external adjustment screws at both ends of the electrodes
- Easy electrode pitch and gap adjustment
- Carbon ground brushes are used to provide electrical ground around roll bearings
- Dual zero speed switches prevent power supply from running if either roll should stop or rotate below the preset level
- Mounted high voltage transformer

Available Options

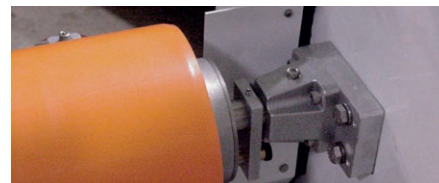
- Manual or electro-mechanical high voltage switching device
- Proportional speed control
- Tendency drive
- Direct drive
- Dead shaft idler rolls may be supplied to carefully guide the web into and out of the treater station

Specifications

- Treat width capacity: 305 mm to 3300 mm webs*
- Dielectric roll: 100 mm, 150 mm, 200 mm, 250 mm, 300 mm, 350 mm diameters*
- Roll coverings: Silicone, Epoxy, Ceramic, Glass
- Electrode styles: 12.5 mm stainless steel segmented as standard with 6 mm, 3 mm and fixed stainless steel fin as options
- Web tension: 1.5 PLI or 263 Newton - higher PLI or Newton capability can be provided
- Maximum line speed: Standard design incorporates 225 meter per minute (m/min)
- Control voltage: 115 VAC
- Extra thick aluminum end plates and steel frame construction
- Epoxy paint



Flexible shielded high voltage cable, factory wired and tested.



Low friction dead shaft roll bearings are enclosed allowing for extended bearing life.

* Contact your ITW-ST agents for customized information. Dimensions and specifications subject to change without notice. Certified dimensions available on request.