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Proven Slitter Safety & Production Innovations

Hands Free - Insert, Clamp, Tension & Strip Guide Process
Patent# 4,270,684 & 3,863,858 & Other Patents Pending



Our patented insert & clamp device is designed to act as a tension stand with a pressure adjustable air bag. After the slit mults are passed through the device and into the gripper slot of your recoiler, the insert & clamp mechanism is retracted some short distance to a locked position, where under adjustable clamp pressure, the slit mults are wound tight and flush on the recoiler drum. The tension stand pivots upward and downward for ease of threading into the gripper slot and accommodating large O.D. slit mults.

A description of the process;

- The slit mults are delivered from the slitter.
- The slit mults pass through the separator shaft mounted on the clamp tension device.
- The clamp tension device clamps and traverses from the slitter and stops near the recoiler.
- The clamp tension device tilts upward so the slit mults can be positioned under and into the overarm separator.
- The overarm separator at the recoiler lowers with the slit mults, to the approximate location of the recoiler gripper slot.
- The clamp tension stand moves further forward to position the slit mults into the gripper slot.
- The clamp is released with no tension until one wrap is obtained on the recoiler drum.
- After one wrap, in a locked tension stand position, the air bag is actuated where thick compression fabric, top and bottom, create tension.
- At the recoiler during coil build up, the tension stand can tilt upward, for large O.D. coils.
- Once a coil is recoiled, the clamp and drum insert device will return to the starting position near the slitter to receive the newly slit mults while the previous slit mults are removed from the recoiler drum.

Employee safety is paramount in today's world when slitting any type of material. With our hands free device, no further manipulation by hand of the sharp edged mults is needed. With the slit mults no longer being muscled into place, production is greatly improved and your company enjoys a better safety record and greater profits.

For technical and ordering assistance, please call me today at extension 212.

CAUFFIEL TECHNOLOGIES CORPORATION

A handwritten signature in black ink, appearing to read "Ralph Becker".

Ralph Becker
Vice President