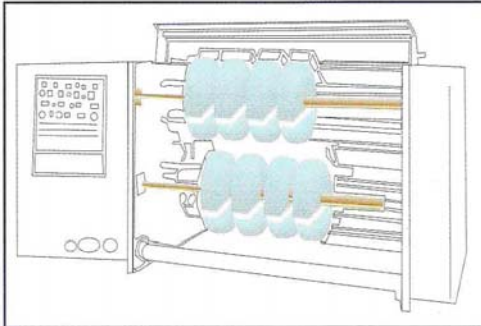


DIFFERENTIAL SHAFT

UK

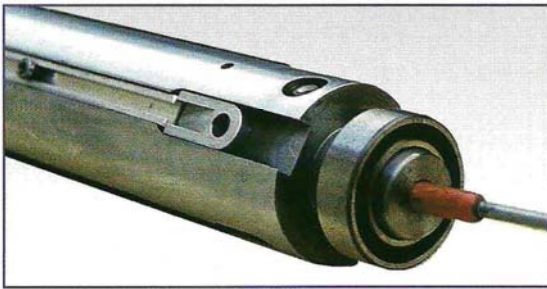


Each individual core can slide at controlled speed when the proper pressure is maintained. Winding of all cores is done at the same tension rate.

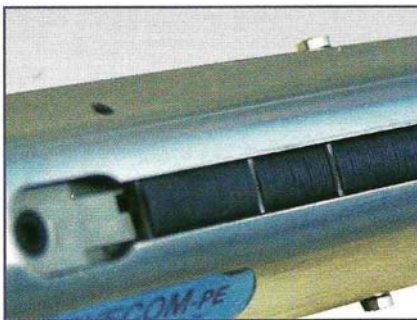
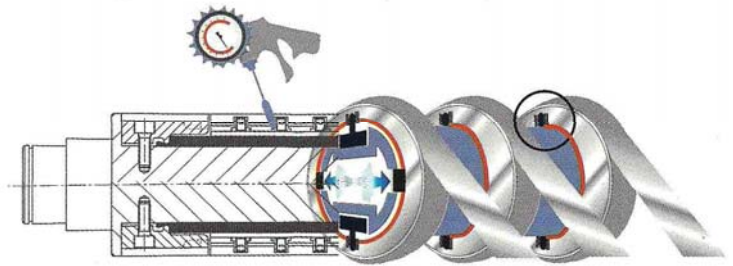
Core loading, unloading and positioning is quick and easy.

Model 650/PLF differential shafts can wind materials with different width cores and very low tension. This differential shaft, thanks to its (patented) torque transmission, is the most innovative system offered on the market.

As the core lock block expands to the outside it locks the reels in predetermined positions along the entire shaft. When deflated the ledge retracts inside the diameter of the shaft body and permits the reel to be removed.



The segments expand to the outside when inflated, generating resistance against the inside of the cores. This resistance is proportional to the area that is involved and permits cores with different widths to be wound on the same shaft.



CAM LOCK DIFFERENTIAL SHAFT

UK

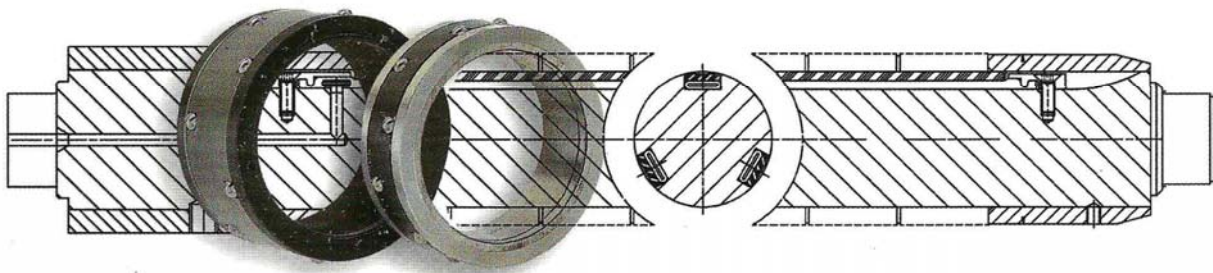
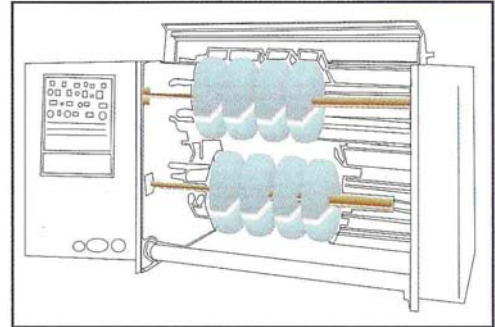


The self-expanding rings assembled on the chromium plated and grinded shell body will block the rigid cardboard core by expanding shortly on the rotating direction.

A pneumatic rotary joint secured at the shaft end is adjusting the air pressure injected into the differential shaft.

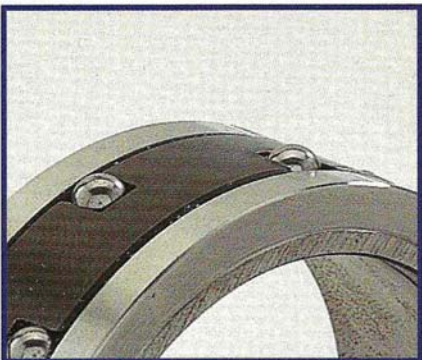
The air pressure range is from 0 to 6 Bar connected to the external reel diameter and to the settled tension. The differential ledges under the rings can be manufactured in different type of material according to the client's need, therefore are interchangeable.

The force of friction produced between the differential ledges and the self expanding rings generates a perfect and independent reels rewinding.



To get the best rewinding on reels you must assure that the differential shaft speed will be higher than the machine speed.

The rewinded reels can be easily removed by a small rotation on rewinding opposite direction.



- Reliability and long wear between differential ledges and cores
- Quickness on loading and anloading operations