

## **Innovative brake goes from strength to strength.**

Renova, a leading manufacturer of brakes and tension control equipment recently expanded their TX range of brakes.

The TX brake incorporates revolutionary principles.

Conventional disc brakes use a single disc with multiple pads arranged around the face of the disc.

The TX brake incorporates four discs which float on a central hub. The pads and springs are then located between the discs.

This design has many benefits over a conventional single disc brake.

From 1 to 4 discs can be automatically selected depending on the air pressure applied to the brake. This system is called Selematic.

When Selematic is incorporated in a TX brake the tension requirements for each material being processed, at the beginning of the roll, at end of a roll and during an emergency stop situation can be accurately achieved via a single air supply without the need to manually select pads as would be necessary with a conventional single disc, multi pad brake design.

The TX brake achieves 2/3rds greater cooling capacity over a single disc brake through 2 highly efficient cooling fans.

The fans sit directly above and below all of the discs. The upper fan draws cool air into the brake which passes over all of the 8 friction surfaces. The bottom fan then draws the hot air out.

A cooler running brake drastically reduces pad and disc wear, reduces spares costs and increases production time as the machine does not need to be shut down as often for brake maintenance. Accurate, consistent tension control is also easier to achieve.

The benefit of greater cooling capacity can also be demonstrated with the TX brakes ability to run heavier, faster reels at one end of the spectrum where heavy pad where would normally be experienced with an single disc brake and light weight material at the other end of the spectrum where pad glazing and squeal would normally be experienced with a conventional brake.

A recent addition to the TX range was the TXS120 multi disc brake.

The TXS120 is designed for applications where low tension is required but at high speed and high reel weight where a normal single disc brake would be too heavy and a powder brake would over heat.

Successfull retrofits have been carried out in the UK and Europe on a variety of conversion machines. The TX brake is also proving popular with machine builders as one type of brake can be used to process a wide variety of substrates.

Renova s.r.l is exclusively represented in the UK and Ireland by Webtek UK Ltd.

