RPM

# TAILJET

## ADC
## PR SAFE-TRIM


TAIL CUTTING AND DECKLE CONTROL SYSTEMS

# RPM TAILJET

- **Reduce downtime due to sheet breaks** - faster cut off response
- **Less broke under the machine** - less repulping and therefore lower energy costs
- **Reduce risk of secondary breaks** - smooth operation for opening the sheet
- **Fewer operators required in event of a break** - single point control

The unit can be supplied with automated deckle cutting control which allows the operator to control sheet width from off the machine and ensures that the tail is always correctly positioned for automatic tail feeding systems.

## OPERATION

System initiation can be manual or via break detectors fitted to the machine. On initiation the cutting jet travels across the machine, from its rest position on the drive side of the wire. Depending on which tail select button is pressed or which break detector input is operated, it can either travel to one of several pre-selected 'tail' positions to maintain a tail running through the machine or it can cut the sheet off completely. After a complete cut, the unit returns to the tail position ready for feeding into the presses.

Additional operator panels can be provided to control the cutting jet from other positions on the paper machine such as the coater or the reel-up whilst still giving a visual indication of the cutter position.

The traversing speed of the cutting jet is infinitely variable by the user from 100 - 1000 mm/second.

An optional hand-operating wheel can be supplied that interlocks with the control system to operate the jet manually. Also available is a double jet unit – one jet operational and the other acting as a standby for use in the event of jet blockage.

## CONSTRUCTION

The basic assembly consists of a 316 stainless steel 'C' section and cover that form a deep rigid box section to span the paper machine. Within the box frame is a double 'Vee' stainless steel slide. A single water jet, supplied by a flexible hose is carried in a drag chain and attached to the carriage which "rides" on the slide, and is propelled across the paper machine by a toothed belt system.

The carriage drive motor is mounted at one end of the main frame and sealed within a stainless steel hood. The toothed belt runs over a pulley attached to the drive motor at one end and an idler pulley at the other end.


## CONTROL

The cutting jet position is controlled digitally by an encoder fitted to the idler pulley. Selected "tail" positions can be pre-set by the operator on the main control panel which also gives a visual indication of the cutter position across the machine.

**The RPM TAILJET is an automatic wet-end cross cutting and tail forming system designed designed to give an improved response to sheet breaks and reduce downtime. Its efficiency and reliablity have been demonstrated in a wide range of mills from tissue to multilayer board production and the latest design offers even greater strength and robustness.**

## FEATURES

- Automatic reaction to break detectors
- Operational control panels can be fitted anywhere on the machine offering a visual indication of the machine at any time
- Pre-set tail positions which can be easily programmed
- Simple Push Button control
- Fast cut-off speed (standard max. 1,000 mm/sec)
- Controlled jet speed to open up the sheet (standard min. 100mm/sec) to prevent secondary breaks
- All wetted parts manufactured in stainless steel or a suitably resistant material

# ADC

## AUTOMATIC DECKLE CUTTING

### Complete control of the sheet width from off the machine.

**The basic unit is push-button controlled and allows the operator to adjust the deckle position from a safe location ensuring that the sheet width is always set for maximum production efficiency. The control also has a digital display that indicates the current position in relation to a home position which can be set by the operator.**


The more advanced programmable unit is specifically designed to meet the needs of automatic tail feeding systems on modern paper machines. The operator can set a 'production' position which can be varied according to the production width being run, and a 'tail feed' position that is pre-set to ensure precise positioning of the tail for automated system.

Immediately a break is detected, the unit automatically moves from the 'production' position to the required 'tail feed' position. Once the tail passes through the machine the unit then returns to the 'production' position.

The **RPM AUTOMATIC DECKLE CUTTERS (ADCs)** can be supplied as a stand-alone unit or as part of the **TAILJET** automatic crosscutting and tail forming system.

## FEATURES

- Standard deckle adjustment of 300mm on both sides of the machine with wider ranges available as specials
- Twin jet design for running and standby – this can also be used to give a combination of jet sizes to suit different product grades
- Quick release shut off connections and /or integral water shut off valves
- Stainless steel construction and shower oscillator standard sealing
- Choice of stainless steel, ceramic or ruby tipped jets
- Operating pressure up to 17.5 bar as standard with higher pressures available
- Can be linked to the machine system for automatic width setting and feedback
- Integral 150µ filter elements

RPM

# PR SAFE-TRIM

**The PR SAFE TRIM improves productivity by allowing adjustments to be made to the trim nozzle in complete safety without stopping the machine.**

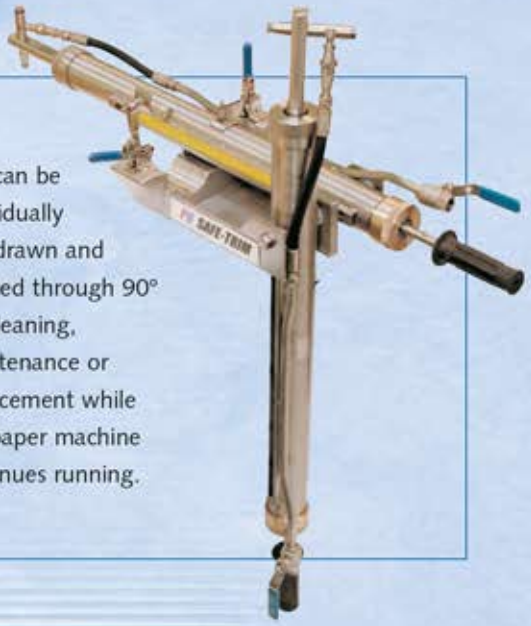
- Easy and safe to operate
- Off-machine adjustments avoid risk of machine damage
- Improves productivity
- Precise control

The unit consists of two jets – one operational the other on standby. Operators working outside the paper path use remote hand controls to adjust the angle of the nozzle and its position. Once the optimum position is found it is maintained by locking the control arm. The nozzle heads can be individually retracted clear of the paper path for maintenance or to change the nozzle tip.

The **PR SAFE TRIM** offers greater flexibility with improved control while ensuring the safety of shift operators.

Twin jets in operating position – one in use and one on standby. The trimming operation can be transferred from one to the other without interrupting the process. The head can be set at any angle and moved across the paper path to achieve the optimum cutting position.


Jets can be individually withdrawn and pivoted through 90° for cleaning, maintenance or replacement while the paper machine continues running.




**Reiss Paper Machines Co. Unit 6 & 7 Shawclough Trading Estate, Rochdale OL12 6ND**
**Tel: +44 (0)1706 640 565 Email: info@reisspapermachines.com**
**www.ReissPaperMachines.com**

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