

### World Headquarters

**USA, OH, Cincinnati** | Tel: +1.513.874.6550  
info@valcomelton.com

### America Manufacturing, Sales & Service Centers

**Canada, Vancouver, B.C.**  
**ClearVision Technologies**  
Tel: +1.604.998.4012  
canada@valcomelton.com

**USA West Coast, CA, Petaluma**  
**GMS-Vansco**  
Tel: +1.707.285.3392  
inquiry@gmsvansco.com

**Mexico, México D.F.**  
Tel: +52.55.6278.1727  
mexico@valcomelton.com

**Colombia, Bogotá**  
Tel: +57.313.421.0926  
colombia@valcomelton.com

**Brazil, Sao Paulo**  
Tel: +55.11.99919.3510  
brazil@valcomelton.com

### Europe Manufacturing, Sales & Service Centers

**Spain, Navarra, Orcoyen** | Tel: +34 948 321 580  
spain@valcomelton.com

**France, Valence** | Tel: +33 (0) 4 75 78 13 73  
france@valcomelton.com

**Italy, Brescia** | Tel: +39 030 2732544  
italy@valcomelton.com

**Italy, Brescia | ERO s.l.r** | Tel: +39 030 2731503  
info@ero-gluers.com

**Benelux, The Netherlands** | Tel: +31 252-673673  
benelux@valcomelton.com

**Hungary, Budapest** | Tel: +36 1-214-4705  
hungary@valcomelton.com

**UK, England, Telford** | Tel: +44 1952-677911  
uk@valcomelton.com

**Germany, Düsseldorf** | Tel: +49.211 984 798-0  
germany@valcomelton.com

**Poland, Siechnice** | Tel: +48 71 889 04 50  
poland@valcomelton.com



### South, Southeast, West & Central Asia Manufacturing, Sales & Service Centers

**Turkey, Istanbul** | Tel: +90 212 327 99 71  
turkey@valcomelton.com

**India, Bangalore** | Tel: +91.80.28378111  
india@valcomelton.com

**UAE, Sharjah** | Tel: +971.521305960  
uae@valcomelton.com

**Singapore, Singapore** | Tel: +65 850 95355  
singapore@valcomelton.com

### East Asia Sales & Service Centers

**China, Shanghai** | china@valcomelton.com  
**China, Xiamen** | Tel: +86.592.591.7854  
Fax: +86.592.591.7834 | china@valcomelton.com

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BC-004



**Tissue Tack & Reel**  
**Full Sheet Transfer System**

**Adhesive Dispensing & Quality Assurance Systems**

**English Edition**



Over recent years, tissue machine speeds have continued to increase, resulting in decreased productivity due to inefficient reel transfers and sheet breaks. Around the reel section, personnel safety has also been jeopardized. In an attempt to remedy this, many tissue mills have adopted the practice of a tail turn-up. However, this has actually increased the cost of each ton produced as the overall efficiency of the machine is reduced.

## Convert your reel downtime into **profits.**

With our Tissue Tack and Reel System, you can expect full sheet *turn-up efficiency*, reduced *safety* concerns, as well as increased machine *speed* to boost *profits*.

### How can VM's Tissue Tack & Reel System increase your profit per ton produced?

Energy costs are a huge factor in tissue machine profitability. It is important to keep the web on the reel instead of in the pulper because of a tail turn-up or a bad reel transfer. Improved efficiency will reduce total cost per ton and can increase machine output by at least 3% per year. Return on investment for the Valco Melton Tissue Tack and Reel system can be achieved in as little as three months.

**Increase machine efficiency  
by at least 3% each year & get  
ROI in as little as 3 months.**

### Benefits:

- Achieve high turn-up efficiency with guaranteed performance.
- Increase safety around the reel section by automatically turning up each reel, which removes the need for operator intervention.
- Eliminate human error during reel turn-up.
- Reduce lost time during a sheet break, regardless of roll diameter by using the tail turn-up feature.
- System features fire resistant and washdown components.
- Make cleanup easy on both paper cores and rubber coated spools with the water soluble, high tack adhesive.
- Control temperature and system diagnostics plus manage the fully automatic turn-up logic with an intuitive PLC Control.
- No adhesive recirculation; the system is pressurized only during a turn-up or sheet break.
- Incorporates specially designed water-resistant, non air-atomized spray heads capable of millions of cycles.
- Manifold rotates spray heads into position during firing sequence and backs away from sheet immediately after.
- Water and dust resistant enclosure protects electrical controls and adhesive supply system.
- Sustain low glue usage with a spray head firing time of approximately 250 milliseconds.

### Easy Installation

Customized for any machine width, the Tissue Tack and Reel System consists of two major components. The rotating manifold and spray head assembly is mounted over the web for full width turn-ups and a single-valve tail tie is used during a sheet break. The second component is VM's TTR50 PLC controlled adhesive supply unit, located on the drive side of the tissue machine. Plug-and-play electrical components allow for a quick installation during a short machine shutdown.

### Over 10 Years of **Proven Reliability**

Valco Melton's patented Tissue Tack and Reel System for full sheet turn-up on tissue machines has been increasing tissue mill productivity and safety with proven efficiency and reliability for over 10 years. Deliver results with a standard today's customers are looking for.



*Adhesive manifold and valve assemblies mounted inside tissue machine*



*Valves in the spray position mounted behind dust wall just before spray trigger*



*Valves in the maintenance/retracted position with nozzles suspended over the maintenance tray*