

# Moline Self Threading Systems



*Designed to automatically lift scrap dough web onto the scrap pickup unit.*

*Pneumatic Self Threader*



- *Available in conveyor widths from 24" to 60" depending on customer application.*
- *Threading roller assemblies custom-manufactured for specific products.*

*Moline self threading systems are designed to automatically lift scrap dough web onto a scrap pickup unit conveyor. The self threader is available in two styles: pneumatic (shown below) and non-pneumatic (shown next page). The pneumatic self threader is a heavy-duty version used for heavier and wider dough sheets. The non-pneumatic version is used for lighter, narrower doughs.*

*The self threader is positioned on the makeup conveyor*

*at the base of the scrap pickup unit. A threading roller assembly contains a series of discs and rollers to collect and direct the scrap dough web up onto the scrap pickup conveyor and can be designed to accommodate certain product types.*

#### ***Pneumatic Self Threader:***

*The pneumatic self threader can be raised and lowered as needed with air cylinders mounted on each side of the*



#### ***Moline Machinery LLC***

114 South Central Avenue • Duluth, Minnesota, USA, 55807  
218-624-5734 (For after hours service, call 218-590-1987)  
www.moline.com • sales@moline.com



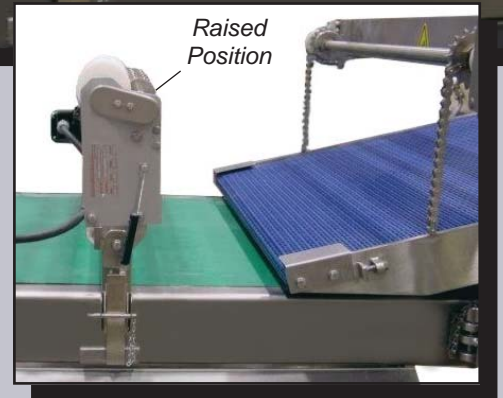
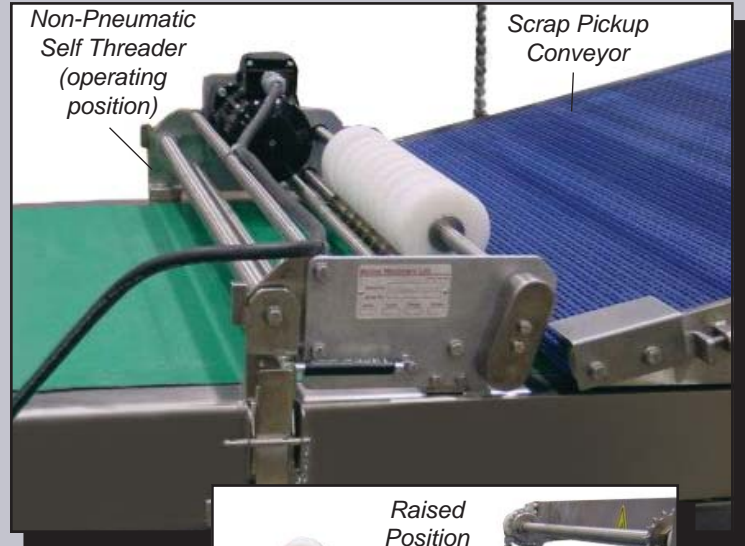
# Moline Self Threading Systems

unit. The cylinders are activated by control buttons mounted on a panel next to the machine and by the air regulators on the pneumatic panel. The threading roller contains stripper shaft assemblies which are removable to allow for different products. For each cutter there is a corresponding stripper shaft assembly. The threading roller assembly is driven by a drive motor and gear reducer with a series of belts, pulleys, sprockets and chains.

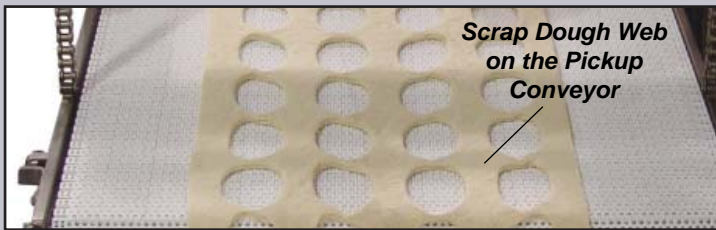
### Non-Pneumatic Self Threader:

The non-pneumatic self threader can be manually raised off the conveyor when not in use and is held in the raised position by gas springs mounted to each side of the unit. This unit is clamped to the conveyor bed and can be easily removed if necessary.

The threading roller assembly is driven by a gearmotor, pulleys and drive belts at a fixed speed.



Non-Pneumatic Self Threader



## Self Threader Features

- **Construction:**  
Stainless steel construction with precision machined components.
- **Guards and Covers:**  
The pneumatic self threader contains a safety interlocked top guard to prevent access to the threading roller assembly during operation but allows easy access for sanitation when the machine is shut down. Chain and belt guards prevent access to drive chains and belts during production.
- **Speed Adjustment:**  
Speeds are typically controlled through a manually operated controller or through the production system's operator interface.

- **Drive Systems:**  
Pneumatic Self Threader:  
Drive motor and gear reducer with a series of sprockets, chains, pulleys and belts.  
  
Non-Pneumatic Self Threader:  
Gearmotor, pulleys and a drive belt.
- **Electrical System:**  
Pneumatic Self Threader: 230 Volt, 60 Hertz, 3 Phase.  
Non-Pneumatic Self Threader: 230 Volt, 60 Hertz, 1 Phase. Other electrical options are available.
- **Pneumatic System (Pneumatic Self Threader):**  
10 cfm @ 80 psi (4.7 liters/second @ 5.5 bar).