



ATLAS TECHNOLOGIES

The MULTI-VAC Conveyor Stacking System satisfies the needs of companies processing both steel and aluminum blanks. This innovative system has the ability to universally convey and stack non-magnetic aluminum and magnetic steel blanks using the same belts, settings, and mechanisms.

(Patent Pending)

Balcony mounted pumps provide easy maintenance and sound control.



MULTI-VAC Conveyor Stacking System

(Patent Pending)



Mezzanine walls with sound barrier rails enclose multiple pumps.

Benefits:

- Steel and Aluminum are handled with identical machine parameters.
- Slow and Drop piling mode achieves optimum production rate with minimal blank edge impact.
- Drop Zone control is provided in increments.
- Conveyors do not require electrically activated magnets.
- Belts are automatically guided and tensioned.
- Multiple vacuum pumps are utilized. Pumps that are not used for narrow parts are shut off, saving energy.
- The vacuum controlled conveyor uses higher static pressure and lower air volume than most competing brands.
- Balcony mounted vacuum pumps provide easy maintenance and sound control on the plant floor.
- All components including belts are available locally. This equipment is "Made in America".

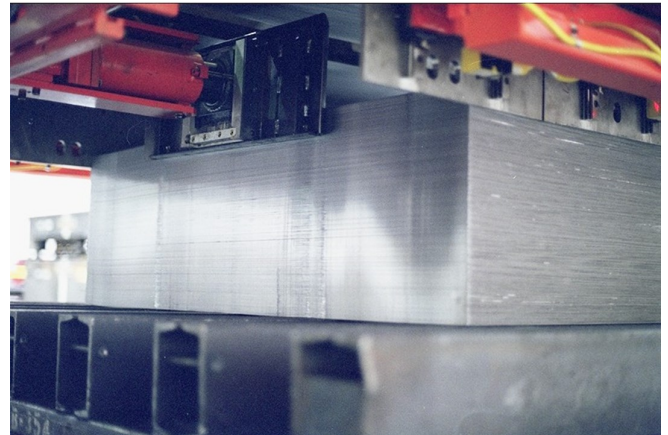
Specifications:

- Standard drop zones are 300 MM spacing with 15 standard conveyor zones.
- A 2000mm wide system will utilize 6 fixed belt positions on 300mm spacing.
- Standard Rockwell Automation controls and electric drives are utilized.
- Safety rated systems are provided including PLCs, Relays, Light Curtains, Gate Switches and Lock Out components.
- Control voltage is 24 VDC.
- Communication protocol is Industrial Ethernet.
- HMI 15" color touch screen.
- Stored blank parameters are set and archived production.
- Four programmable stacking modes:
 1. Station 1 Only
 2. Station 2 Only
 3. Station 1 & 2 Continuous
 4. Station 1 & 2 Alternating
- Vacuum belts are double pocketed for maximum versatility and vacuum adhesion.
- Automatically tensioned belts at a set value with self guiding V-sections alleviating tracking problems.
- Belts are edge contained preventing blanks from going between the belt and pulley.



Features:

- Run out conveyor.
- Stack boxes; automatic or manual set up.
- Pallet and stack handling systems, carts or chain conveyors.
- MULTI-VAC overhead convey and drop.
- Reject station.
- Manual inspection station.
- Control system, press and feeder integration and operator interface.



The MULTI-VAC system produces crisp, defined, stacks of steel and aluminum blanks.

Blank Specifications:

- Blank Material: Steel and Aluminum
- Blank Size Minimum: 400mm wide x 300mm long
- Blank Size Maximum: 2000mm wide x 3000mm long
- Blank Thickness Range:
 - Steel: .5mm minimum to 3.0mm maximum
 - Aluminum: .75mm minimum to 3.2mm maximum
- Blank Shapes:
 - Contoured, Waffle Edge, Trapezoids, Square and Rectangle.