MULTI-VAC
Conveyor Stacking System
(Patent Pending)

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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)



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".

Balcony mounted pumps provide easy maintenance and sound control.



ATLAS TECHNOLOGIES
3100 Copper Ave., Fenton, MI 48430 USA
Phone: 1-810-629-6663 Fax: 1-810-629-8145
www.atlastechnologies.com

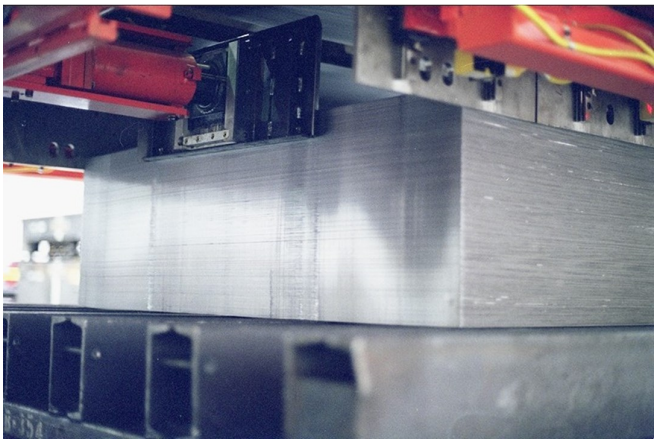
Specifications:

- 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.

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