



ATLAS TECHNOLOGIES

Atlas stacking systems are used to stack sheet metal blanks (rectangular, trapezoidal or contoured shapes) as they exit a blanking press or cut-to-length line. Atlas offers robotic, magnetic belt and magnetic roll stackers for ferrous steel blanks, and vacuum-based stackers for non-magnetic (aluminum) blanks. Systems can be configured to meet desired press speeds.

Stacking and destacking is accomplished with robots in the off-line blank washing cell pictured below.



Robotic & Conventional Stacking Systems



A scissor lift minimizes the drop height from the overhead magnetic conveyor (shown above, with a blank being transferred to the left).

B e n e f i t s

High-Speed Stacking

Improves the productivity of blanking presses and cut-to-length lines allowing the production of more blanks per hour

More Throughput

Uptime is maximized; continuous stacking maintains an uninterrupted flow of material

Improved Part Quality

Ensures consistent surface finish quality by keeping blanks free of contaminants and damage caused by manual handling

Reliability & Maintainability

Proven technology and heavy duty design result in higher R&M

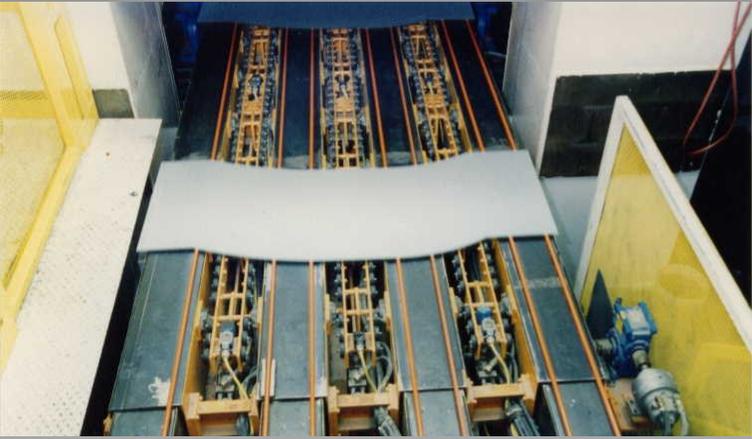
Improved Ergonomics and Safety

Faster Changeover

Changeover can be as simple as calling up a stored program at the control panel

Proven in the Field

Numerous installations at steel service centers, contract blankers/stampers and OEM facilities



Features & Specifications

FEATURES

- Magnetic belts, magnetic rolls or robots are available
- Adjustable run-out conveyors
- Pneumatic stack tampers
- Stack box adjustments for part changeover
- Multiple modes (including "stop-and-drop") capability for demanding applications
- Controls graphic interface with diagnostics
- The speeds of the drives are adjustable to match or interface with the upstream line speed

The MagBelt stacking system pictured below features dual stacking stations, runout and cranesaver conveyors, reject stations, inspection tray, lift tables and operator platform.



SPECIFICATIONS

Production Rates:	Up to 540 ft (165 M) per min.
Blank Material:	Steel or aluminum
Blank Size Maximum:	Customer specified
Blank Thickness Range:	Customer specified
Stack Handling:	Conveyors, carts or rollers
Number of Modes:	Up to 9
Stacking Accuracy:	±0.059" (1.5 mm)
Number of Stacking Stations:	Customer specified
Tamping:	Pneumatic
Max. Angle of Blank:	30"
Max. Load Capacity:	Customer Specified
Max. Stack Height:	Customer Specified

OPTIONS

- Vacuum system to remove debris and dirt
- Multiple stacks per pallet
- Rotary table for flexible blank positioning on pallet
- Programmable changeover
- Run-out conveyors; can include pop-up rollers
- Pick and place, drop leaf and dive-in-the-box modes are available
- Vision systems available for robotic applications



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