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.

Benefits

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

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

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