

**INQUIRIES?**

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## PRODUCT DETAILS

## Front of Line Destacker Systems

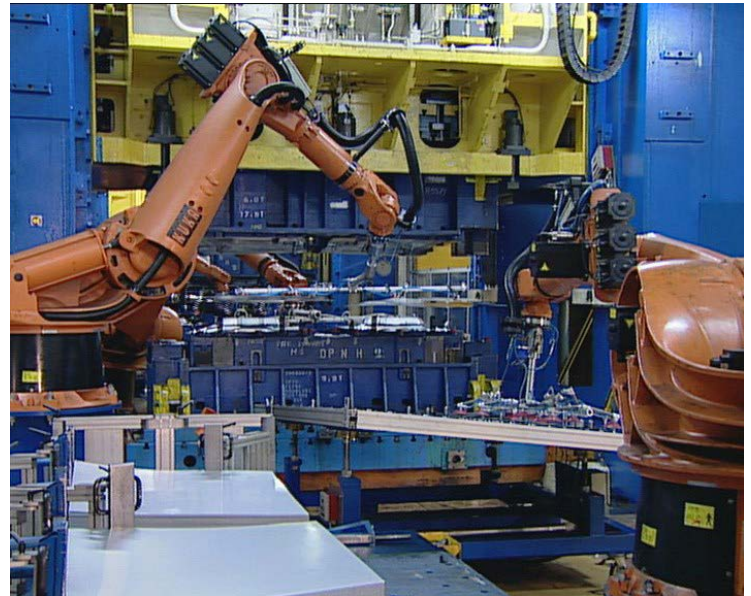
Atlas Technologies' Destacking Systems are used to automatically separate, feed and accurately locate individual sheet metal blanks for subsequent loading into a press, tandem press line or transfer press.

**BELOW LEFT**

Double unattached blanks are held by overhead magnetic belts after being lifted by vacuum cups in the destack head (not shown).

**BELOW RIGHT**

Destacking and press loading are accomplished with robots in the system pictured below

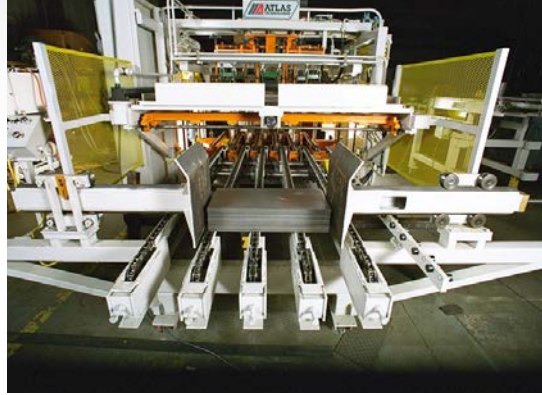
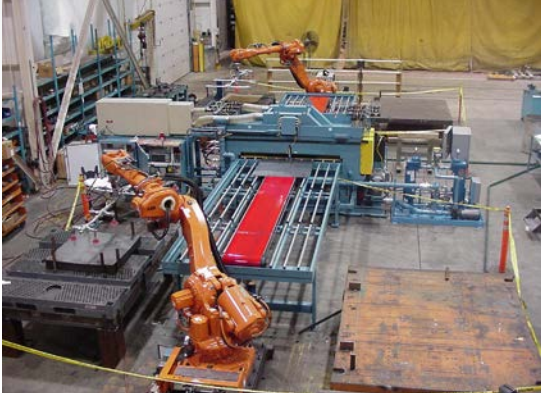


## HOW IT WORKS

Atlas' destackers separate blanks via robots, pick and place shuttles or overhead destack head/mag belts and convey them forward to a centering station for pick up by press feeding equipment. In a typical system, a "cranesaver" conveyor or carts are integrated with the destack unit to queue stacks of blanks, quickly move them into position for destacking and move empty pin pallets or dunnage out after a stack is depleted.

## OPTIONS

- + Programmable vacuum cups
- + Power rollout
- + Programmable fanners
- + Uninterrupted destacking feature
- + Electric fanner magnets
- + Programmable changeover
- + Multiple stack queuing
- + Press loader
- + Stack pre-staging for high speed applications
- + Blank washer/coaters are available
- + Robotic simulations and time cycle studies

**BOTTOM RIGHT**

Uninterrupted destacking feature: forks (upper left) support the remaining blanks while the next stack is positioned on the lift table underneath.

**SPECIFICATIONS****PRODUCTION RATES**

6 TO 25 CYCLES PER MIN.

**BLANK MATERIAL**

STEEL OR ALUMINUM

**BLANK THICKNESS RANGE**

0.015" - 0.375: (0.4 MM -9.5 MM)

**BLANK SIZE MAXIMUM**

CUSTOMER SPECIFIED

**STACK HEIGHT**

CUSTOMER SPECIFIED

**STACK WEIGHT**

CUSTOMER SPECIFIED

**POSITION ACCURACY**

CUSTOMER SPECIFIED

**BENEFITS****RELIABLE HIGH-SPEED DESTACKING CAPABILITY**

Improves press productivity (more strokes per minute)

**MORE THROUGHPUT**

Maximizes stamping press uptime by keeping an uninterrupted flow of material to the press

**IMPROVED PART QUALITY**

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

**RELIABILITY AND MAINTAINABILITY (R&M)**

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

**FASTER CHANGEOVER**

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

**PROVEN IN THE FIELD**

Numerous installations at contract stamping and OEM manufacturing facilities

**IMPROVED ERGONOMICS & SAFETY FACTORS****FEATURES**

- + Single or double unattached blank handling
- + Uninterrupted destacking and blank feeding (see photo below)
- + Automatic fanner magnetic positioning with +/- 30° angle adjustment for contoured parts
- + Soft-touch vacuum cup destacking
- + Double sheet detection
- + Automatic blank reject
- + Manual or automatic adjustable centering station or vision system
- + Stack pre-staging
- + Cranesaver (chain) conveyors or carts deliver and/or queue stacks for continuous destacking
- + Lift table maintains stack at a consistent height to reduce destack head travel, allowing high-speed destacking
- + Magnetic belt, traversing head or robotic blank feeding
- + Modular and standardized designs for various configurations