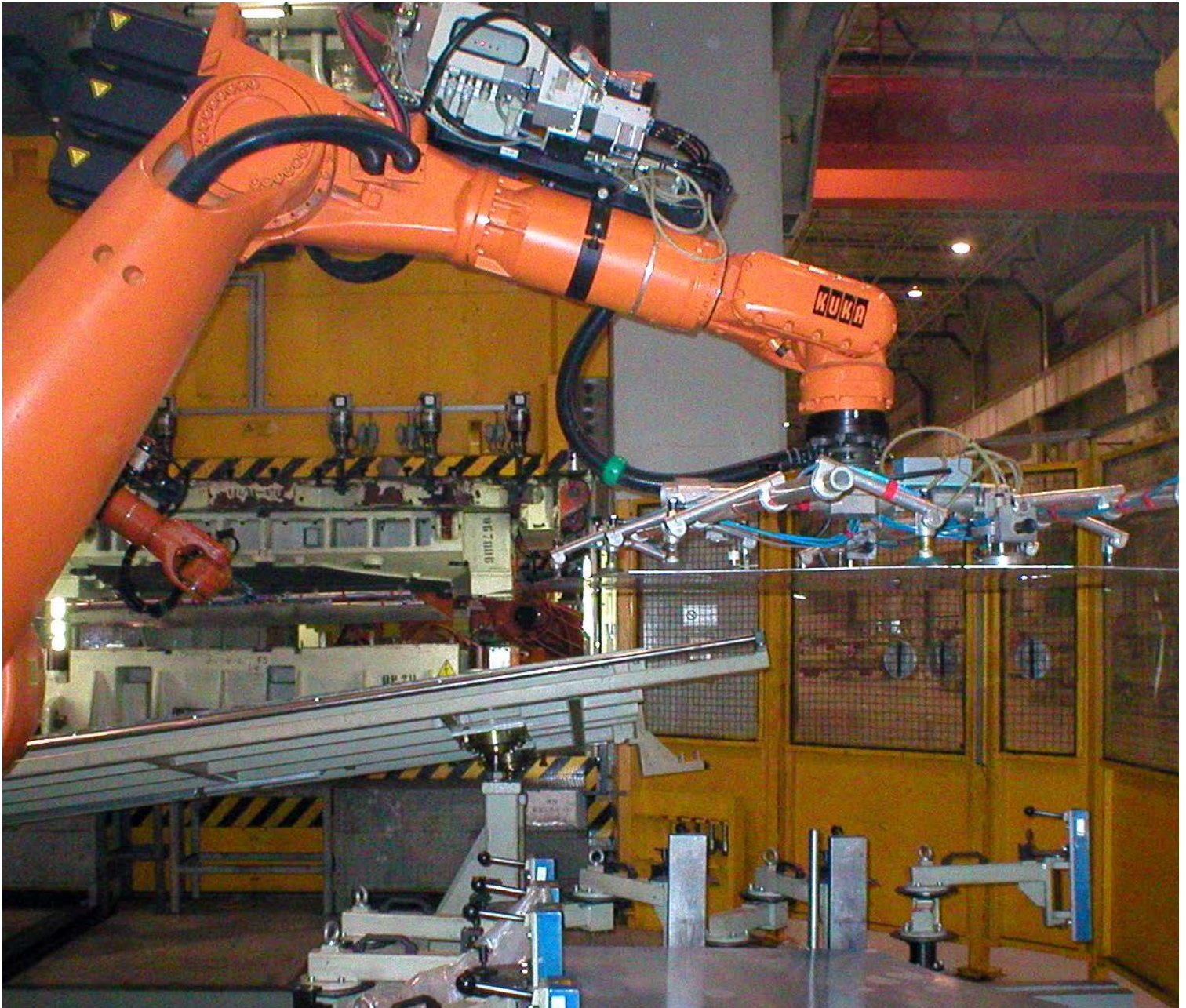




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Robotic Integration





ROBOTIC INTEGRATION OVERVIEW

Our business cards say we're mechanical engineers, controls engineers, estimators and project managers. In reality, we're automation experts, embracing your company's vision while understanding the motivation behind it. We even go one step beyond. Atlas transforms visions of high speed production into a reality. Whether your program is the front of the line through the end of the line or something in between, Atlas will work with you to improve your operations, profitability and financial success while solving all of the "what if" questions before they are ever asked.

Atlas will customize a solution that specifically achieves your goals to include:

- + Providing you with the best automation equipment on the market
- + Working with the robot vendor of your preference
- + Performing estimated cycle times and reach studies
- + Backing the equipment with 24-7-365 service support
- + Engineering seamless communications between the processing equipment and the automation for maximum safety and performance

You can trust Atlas with your integration needs. After all, we have been providing pressroom solutions to customers around the world for over 40 years.

Boom Tooling



Atlas Technologies' Boom Tooling is a product line, not just components. Many companies are able to provide components for end of arm tooling, while Atlas as a turnkey systems integrator understands that the design of the boom tool can maximize the throughput of your process.

Our capabilities include 3D design for configuration of our tooling to your parts and equipment and full assembly of the end of arm tools with little to no adjustment required during the initial production start-up.

Our wide range of standard components are constructed of aluminum to minimize the overall weight of the tool, while our swivel clamp assemblies offer 360 degrees of rotation and uncompromising clamping strength of 400 foot pounds of torque. This is more than four times greater than any competitive product line on the market.

Available options include manual or automatic quick change tool changers, compliance devices, double sheet protection, part present sensing, vacuum pump or venturi actuated vacuum cups, grippers, magnets and more.

Pallets



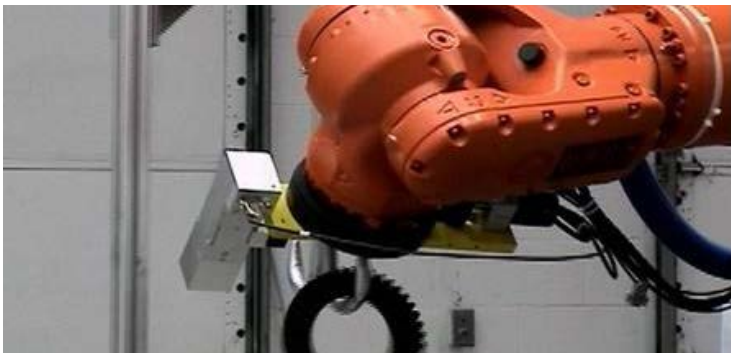
Atlas Technologies' Precision Pin Pallets are the perfect containerization tool. Our pallets maintain stack location and eliminate banding interference with automation.

With Atlas Precision Pin Pallets, it doesn't matter if your application calls for the exact placement of blanks to be precisely stacked or dестacked using a robot with the pins in place or the transport of pallets stacked 3 high with loads of blanks towering 16" each.

We have designed our pallets from the inside out to be rugged and durable, giving our customers the ultimate tool for material handling.



Vision Systems



Imagine . . . A robot poised in the pounce position while a part is exiting a machine on a run out conveyor. As the part draws near the robot, a series of cameras photograph the part and send the position data to the robot controller. The robot picks the part up and precisely places it into a container in a matter of seconds.

Imagine . . . Robotically loading the front of a machine without a centering or gage station with accuracy unequalled by conventional automation because the robot knows exactly where the part is at all times.

The production line of the future has arrived.

Not only is the technology cutting edge, it's proven in multiple facilities around the world and is available at a cost that is surprisingly low.

Project Management



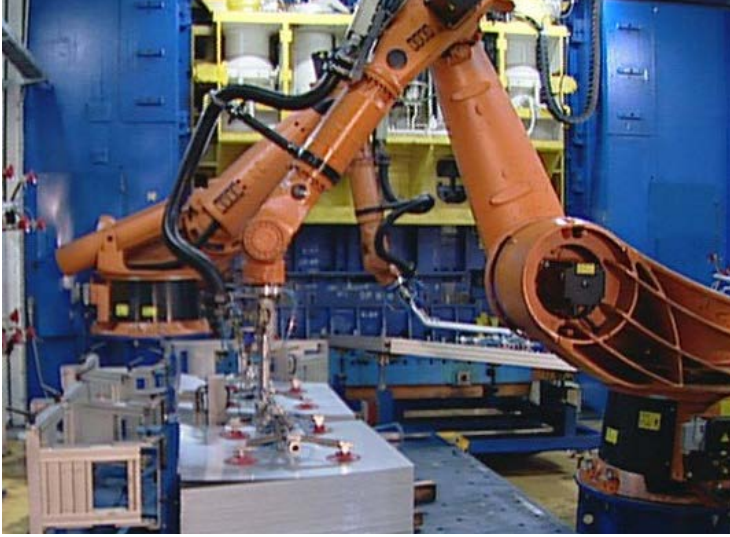
Atlas is no training ground. We hire only the most qualified professionals and we have an extremely low employee turnover rate. We encourage our employees to continue their education and we promote from within when we are able.

Then, we put them to work for you.

Atlas Project Managers oversee your program from purchase order receipt to equipment acceptance on your floor. One point of contact ensures increased efficiency, higher quality, complete information and less hassle for you.

We call it compounded interest. You'll call it mission accomplished.

Front of Line Systems



Today's typical application at the front of a press line consists of a large dedicated, gantry style destacker which is high speed and very efficient but can be also be taxing on a budget.

Let Atlas show you the front of line systems of the future, where gage stations are eliminated and the destacker is replaced by modular, reusable, affordable and exchangeable robots.

We believe that your press should not be limited by your automation and the cost to automate a line should be in line. With insight from Atlas, your processes will become faster, more efficient and more profitable.

The tangible result of our efforts is your bottom line.

Press to Press



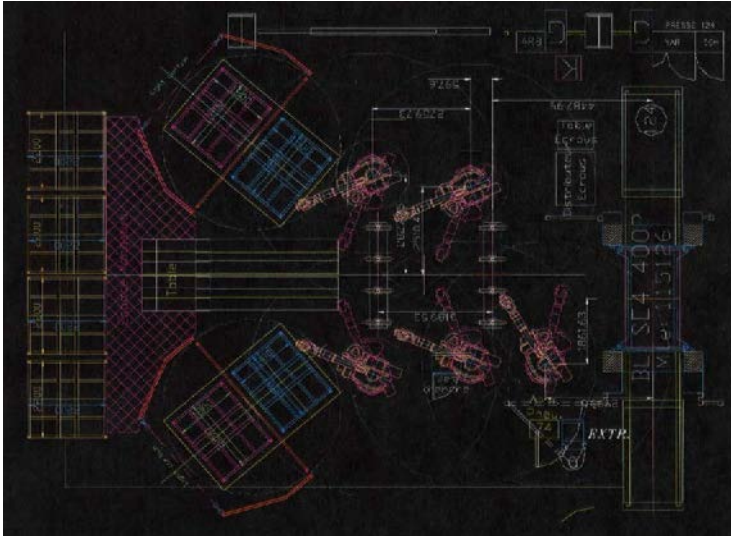
Robotic automation between tandem presses may not be the fastest solution, however for certain applications they provide the flexibility required. These applications may include an extremely large or heavy blank, the need for precise placement in the press or the requirement to turn a blank over.

Robots typically offer a lower cost, highly flexible solution with the added benefit of a programmable pathway . . . but are they the right solution for you?

Atlas Engineers can answer these questions through time cycle, reach and application studies and propose a complete turn-key solution.

Peace of mind is one of the many benefits of utilizing Atlas as your systems integrator.

End of Line Systems



Selecting the right automation is not about keeping pace, it's about setting the pace.

Many of our competitors boast about their "out of the box" solutions. Who was the out of the box solution designed for? If it wasn't for you and your process, then it most likely will not give you optimal performance or the flexibility to meet all of your production demands.

Atlas Engineers will evaluate the ability of your process equipment, the best utilization of your floor space, the types and sizes of your parts as well as the configuration and condition of your containers. We will discuss your goals and develop an end of line solution which optimizes your production today and can adapt to your production needs tomorrow.

Your complete satisfaction is our goal because we've noticed that happy, profitable customers always come back.

Off Line Cells



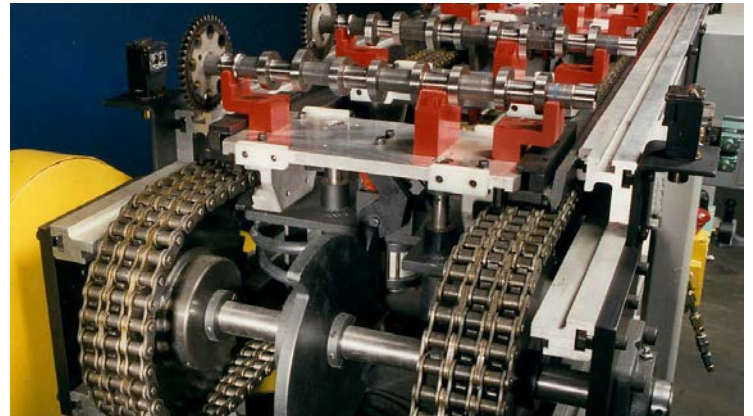
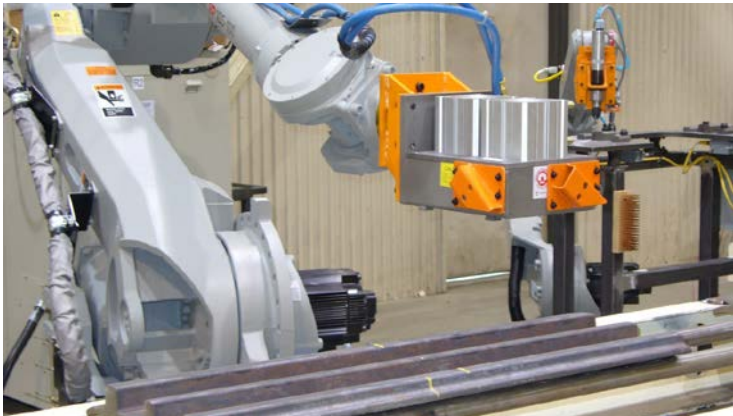
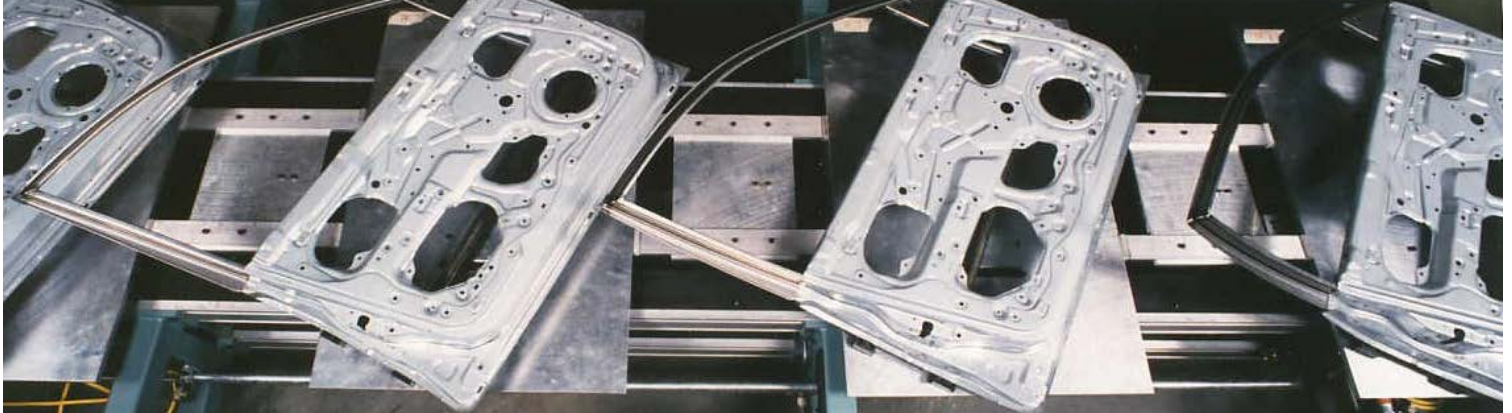
Oil and water aren't the only resources you can save.

You don't have to choose a single press line for a capital equipment expenditure. An off line washing and re-oiling cell can service multiple press lines and robotically de-stacking and restacking the blanks reduces the need for additional manpower to tend the cell.

Low cost. High efficiency. Constantly productive equipment. Less down time.

It's a simple concept that can save you millions.

Material Handling



Atlas Technologies provides fully integrated solutions for automated material handling in the manufacturing sector, including automotive, HV/AC, appliance, aerospace, defense, construction and other industries. Effective and reliable systems are used by some of the worlds most successful and competitive manufacturers who enjoy the benefits of reduced operational costs, increased capacity and a more productive work force.

Atlas Technologies designs, builds and integrates robotic solutions for your material handling operations to include articulated arm robots and gantry robots. Each system is designed to maximize our customers productivity at the beginning, middle or end of the line. Atlas is a single source provider, offering full system design, fabrication, installation, commissioning and the industries leading service and support.

Atlas robotic material handling work cells include machine and fixture loading and unloading, part turn over, part conveyance, gaging, orientation, containerization, inspection, and weighing. Whatever your application calls for, A

Atlas can apply the right material handling solution to give you the flexibility and mobility to handle both complex and delicate work pieces efficiently and cost effectively.

Why Atlas?

All automation companies talk a good game. At Atlas, we back it up . . . with results.

- + We understand that excellent technical skills aren't the goal, they're the price of entry.
- + We will design, build and integrate a solution that will achieve your goals.
- + Our engineering documents will be accurate and complete.
- + Our designs will function as promised.
- + Our manufacturing will be precise and durable.
- + Your project will be spearheaded by a contract manager that is intimately familiar with your industry.
- + Our finished product will exceed your expectations.

Every customer. Every project. Period.

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