

Plastics Manufacturing

Improve efficiency and reduce downtime in your plastic production with help from Cross Automation.

At Cross, we know that cycle time is a key factor that can be strongly influenced by unscheduled machine downtime and length of start-up time. Both of these factors can be better controlled and decreased through the use of an automated solution.

As little as five minutes of downtime can take 30-40 minutes to recoup in production. By employing an automated solution to handle the repetitive tasks, you can

- Significantly reduce downtime
- Free up human operators to do additional, more meaningful tasks that would be too difficult and impractical to automate.

Some examples of process efficiencies where automated solutions can be implemented with a fast ROI in plastics machine tending and secondary processes:

- Sprue, flash and burr removal
- Part transfer from cooling conveyor to tray, bin, or box
- Repetitive insertion of overmold part or insert mold placement
- Simple secondary insert process (rivet, seal in cap, screws, etc)
- Weight measurement with visual inspection
- Banding, stacking, boxing of completed goods
- Palletizing of completed boxes



Our automation engineers focus on:

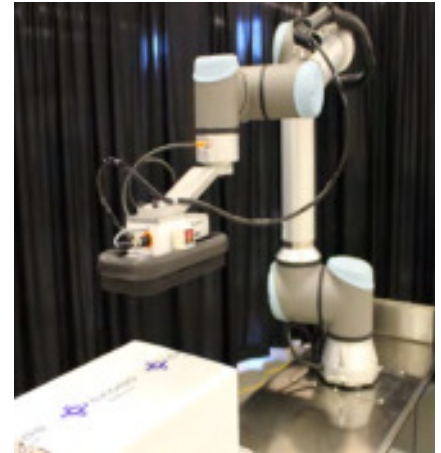
- Designing and delivering a custom tailored solution for your specific application
- Turnkey integration
- Follow-up support as needed

We have applied custom automated solutions successfully with other customers in the plastics industry to help significantly improve their efficiency.

Because floorspace is limited in plastic production environments, many of the solutions we have implemented require no more space than a human operator. What's more, they utilize collaborative technology that typically requires less floor space.

Some examples of automation projects that have driven results in plastics include:

- Part transfer
- Pick and place
- Packaging
- Robot assisted inspection
- Machine tending



If your process utilizes weight as a key factor in your inspection process, we can formulate a custom weight based solution for inline inspections or parts counting.



When you are inspecting complex or hard to measure parts to ensure quality, custom fixtures can help hold parts in a repeatable position to be measured by a CMM or vision inspection system. If you are manufacturing parts such as lids, you may need to test the force required to open or shut. A custom force fixture can help to ensure consistency in your testing process.

Contact our team of automation experts today to learn more about how we can help you to improve efficiency and reduce downtime in your plastic production process.

