



# CNC Solutions Automation Experience

Providing Solutions for Your Manufacturing Needs



## Applying Plastico on a Pliers Application

### Existing Process challenges

- \* Existing Process Too Costly  
Utilities to run existing machine \$10,000 per month
- \* Operator Ergonomics Issues
- \* Current Through-Put Too Low
- \* Inconsistent Quality
- \* Marketing Wanted Cleaner Aesthetics

### Solution: NEW Machine

- \* Lower Power Consumption
- \* Ease of Use For Operator
- \* Flexible for 200 Different Part Styles
- \* Consistent & Predictable Quality
- \* Aesthetics- Reduced Handle Flaws
- \* Dependable / Local Support

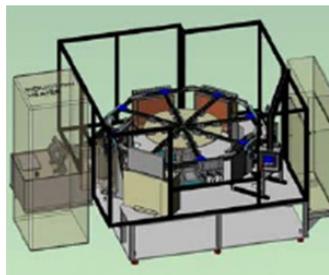
CNC Solutions was assigned to develop, design and build a system to apply the rubber plastico coating to its line of pliers. The customer was spending almost 10K per month on utilities to power the existing line, with additional workman's comp expense, their existing process was just too expensive and had to be replaced.

CNC Solutions worked closely with the customer to determine the key points of interest needing to be addressed.

After weeks of engineering and design, CNC Solutions came up with a solution. The New machine would solve the problems the customer was faced with.

Starting with an initial design utilizing Solid Works, CNC Solutions earned approval to begin the build.

CNC Solutions utilized its in-house capability to build the machine from ground up starting with the base below:



The Machine was complete in 10 weeks from design and engineering approval to



finished product and run-off. The machine was a success. The customer reduced its utilities costs by 10 fold through introducing the new CNC Solutions provided machine. Operator ergonomics issues had been resolved, consistency in quality improved drastically and through-put increased by 200%. The Customers Aesthetics Department was ecstatic because CNC Solutions was able to improve the visual appearance of the product. Finally, the machine was even more flexible than the customer originally expected. The machine is able to produce over 200 styles / part numbers of pliers through a simple recipe-menu based driven programming software developed by CNC Solutions.

### Completed Machine Photos



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