



## KPI: Facing a Tough Challenge to Go Lean

Customer:  
King's Prosperity Ind.

County:  
Hidalgo

Industry:  
Plastics Mftg.

NAICS:  
32619

TMAC Services  
Lean Training &  
Kaizen Implementation

Who to contact:  
TMAC specialist  
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King's Prosperity Industries was established in 1970 in Taiwan, and expanded to North America in 1987. It offers molding, printing, painting and sub-assembly solutions, along with design assistance and mold building. KPI is an ISO 9002 plastic injection molding operation; it also is a UL Certified shop.

### The Situation

KPI's strategy to satisfy customer demand is based on its Quality Policy. KPI is always looking for new methods, procedures, and techniques that aid improvement of their processes and offer customers better service and products.

In order to continue with its strategy, KPI asked the TMAC to analyze its current practices and identify areas for improvement. KPI selected a team of ten people from different operational areas to be trained and work on projects.

### The Solution

TMAC provided training on Lean Manufacturing tools, including 5s. Everyone liked the training and was very enthusiastic about implementing the concepts. However, there was team members who were not completely convinced about the benefits lean could provide to their daily activities. Two projects were undertaken: implementing 5s in a designated area and reducing tool changeover time.

### The Solution (continued)

In a short period of time KPI team members started experiencing the power of applying lean principles to their workplace. "We didn't follow their recommendations 100%, but we factored them in," said Al Beck, KPI general manager.

### The Results

KPI learned that applying Lean tools will help them improve their processes. Employees have already implemented a new project were teams were created and each of them is responsible to maintain a specific area of the shop clean and organized.

- Improved work environment and employee skills;
- Reduced lead time, work in process inventory, and defect rate;
- Increased \$500,000 in sales;
- Five new jobs create;
- Saved \$30,000 in labor, materials, energy and overhead.

"Things we are doing because of working with TMAC have resulted in several hundred thousand dollars of new business this year."

*Al Beck  
General Manager  
King's Prosperity Ind.*

& Take the first step to a more successful future!  
Contact TMAC today for your free mini-assessment.  
Call 956-316-7011 or visit our website at [www.tmac.org](http://www.tmac.org)

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