



“DiaSoft™ ERP Implementation at Mishal Polishing Xian Ltd. – China”

Mishal Polishing Xian Ltd. (Mishal) is a diamond manufacturer and distributor of polished diamonds and it initially started in 1989 as a trading outlet in Belgium. Later on in 2003, it set up a diamond manufacturing company in China with the intention of polishing high quality diamonds.

Business Challenge

Being relatively new in the diamond industry, it was a great challenge for Mishal to prove its mettle amidst a lot of other strong competitors. However, with their sheer dedication and commitment to deliver the best products and services to their clients, Mishal is now one of the leading diamond manufacturer and distributor of polished diamonds.

The manufacturing unit setup by Mishal in China is efficient and innovative. Each facility is a centre of excellence in diamond manufacturing, combining traditional skills with the latest industry techniques. But with growing competition, Mishal realized the need of robust and effective software solutions to sustain their growth. To support the latest machinery at its manufacturing units, Mishal needed an end-to-end integrated solution which would cater to all the business functions of Mishal.

Journey of Success

Lemon Technologies Pvt. Ltd. (LTPL), based on its expertise in the gem and jewelry industry, developed high-tech integrated software, with the following unique features, to address the business challenges of Mishal.

- **Production Planning & Control** – There is a unique production planning process that is followed at Mishal by setting daily targets for each of their employees. Depending on the production done by each of the employee the system calculates the amount of targets achieved by them. Based on this information and pre-defined rules for labor calculation, the system automatically calculates the labor to be given to each employee.
- **Bruting Machine Production Calculation** – Each bruting machine has a wheel within it which does the bruting operation on diamonds. Based on the production done by each employee on each of the bruting machines, the system generates reports which depict the production done on each machine. With this information in hand, the age of the machine is calculated and it can then be discarded or sent for maintenance for it to give optimum production.
- **Invoice wise Stock Tally** – Whenever a rough inward is done in the system, it has an invoice associated with it. The stock tally is done based on this invoice at any stage of the stock. The system tracks the stock until polished diamonds are produced based on the same invoice. Also, the

profitability reports of the invoices are calculated accurately as no mixing of invoices is done at any stage.

With the successful implementation of DiaSoft™ at Mishal, they significantly achieved a place in the highly competitive market by generating quality improvements in customer service, productivity and costs, better control over inventory and business function integration,

Success Value Delivered

- Simplified budgeting and capacity planning with forecasting and production planning tools.
- Drastically increased inventory turns, over a period of time.
- Eliminated overstock of raw materials.
- Fully automatic labor calculation method based on pre-defined rules.

About Lemon Technologies

Lemon Technologies is an ISO 9001:2008 certified software development company pioneering in database applications, especially, cutting edge technology solutions for the Gem & Jewelry industry.

Lemon has been formed with the vision to offer innovative and creative software solutions for the beneficiation of our customers worldwide such that our solutions enable them to transform the way in which they do business.