



" Excellence Delivered Through DiaSoft™ Manufacturing ERP Solution"

“DiaSoft™ ERP Implementation at H Dipak & Co.”

H. Dipak & Co. (HD) is a leading importer, manufacturer and exporter of diamonds having its sales & marketing office at Mumbai and manufacturing units at Mumbai & Navsari. HD is one of the pioneers in the Gem & Jewelry Industry and employees more than 1000 people across its state-of-the-art and modern diamond manufacturing facilities at Mumbai and Navsari.

Business Challenge

HD is exponentially growing in its business and in its team size. Initially they used to manufacture only Princess Cut diamonds. However, they are now into manufacturing Round and all Fancy Cut diamonds as well. Also, they have their customers spread all across the world. With this growth in business and team size, the management needs to be informed about everything in the company, which if done manually will be a very tedious task.

Hence, HD realized the need of more efficient, effective and robust software solutions. The key drivers of introducing an end to end integrated system in H Dipak were adopting integration across business functions leading to better transparency, access to real time information, analytical reporting for business decisions and adopting state of the art technology.

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 HD.

- **Rough Estimation Module** – Whenever a newly purchased rough comes in, the results of the same are estimated through the rough estimation module. The system prompts the users about the potential results based on pre loaded templates inside the system. This system helped HD to estimate or plan the results of rough right from the beginning.
- **Prediction Module** – The prediction of a single stone is captured through this module. This module helped HD to compare the actual production values with the predicted values at a later point in time so as to validate their planned production and also find out the variance of the same.
- **Production Planning & Control (PPC)** – The purpose of this module was to manage the Production Planning process based on the orders from the sales and marketing departments. This system generated appropriate reports which helped HD to plan their production and allocate work to various departments and employees based on the projected and actual orders.
- **RFID Implementation** – In the manufacturing units of HD, all the workers and packets are identified uniquely through the successful implementation of RFID (Radio Frequency Identification Device). This tech

nique helped HD to increase the speed of issuing packets to workers, exactly track the physical position of the packets and accurately find the efficiency of each worker.

- **Decision Support System** – One of the most helpful features of DiaSoft is its in-built decision support system. The system helped HD in taking productive decisions like estimation of selling price with the help of Rapaport, identification and tracking of process cycle days, past performance track of marker, machine operators, processors, workers etc, performance tracking of laser and planner machines, past history of rough purchases, yield and profitability of different types of rough and many more.

The implementation of this system helped HD significantly improve their business metrics by process optimization, improving the entire supply chain process, better inventory control, better reporting to take decisions, integration across functionalities and increasing transparency across the company.

Success Value Delivered

- Ability to leverage manufacturing information gathered into a focused improvement process.
- Reduction in time while tallying stock on a daily basis by 70%.
- Reduction in time while generating balance sheet from 8 days to single click of a button.
- 70% - 80% increased accuracy in rough prediction with the help of rough estimation module.
- Ability to support the diversification of the business, and handle various products within one flexible system.

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.