Lean Inventory Tracking System for i3 Electronics Mold Manufacturing Area

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Abstract: i3 Electronics is a cable and harness manufacturer who recently made a large purchase that contained 10 Grimco cabinets filled with thousands of toolings used for the molding process. These cabinets were very disorganized, and were not suited for use within the i3 facility. The team was asked to make these cabinets useable and organized, and to create a master database that will serve as a lean inventory tracking system for the toolings that they acquired. The database will reduce cycle time by allowing operators to quickly identify and locate necessary toolings for a specific mold, and help cost estimators generate more accurate quotes. The database will be created in Excel, and will employ a series of functions that accept user input, search for data through a series of worksheets, and output desired information. The database will be implemented through the i3 server, and used by all employees.

Keywords: Cable and Harness, Inventory Tracking System, Excel Database, Cycle Time Reduction