

The JobBOSS logo is located in the top right corner of the page. It consists of the word "JobBOSS" in a bold, white, sans-serif font, with "Job" in lowercase and "BOSS" in uppercase. The logo is set against a dark blue rounded rectangular background.

**JobBOSS**

Shop management solutions.

An ECI Software Solutions Company

Serapid and JobBOSS

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**Serapid Increases  
Accuracy with  
JobBOSS."**

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# SERAPID INCREASES ACCURACY WITH JOBBOSS



Serapid is a manufacturer of products and systems for the precision movement of heavy loads. These systems are used in a variety of applications for diverse industries including metal forming industries, aerospace manufacturers, defense contractors, theater design and architectural construction firms. The company's U.S. office employs 24 people in its Sterling Heights, Michigan shop.

In 2014, the company ran around 400 jobs, with 100 components and 100 production lines for each particular job on average. It uses JobBOSS enterprise resource planning (ERP) and SolidWorks computer-assisted design (CAD) programs as part of their software suite to manage their business.

## Challenge

Previously, Serapid used spreadsheets whenever it needed to create a Bill of Materials (BOM) based on the CAD model of parts it was making. Each job would get its own sheet, and then the data would be integrated into a larger master file used for purchasing supplies. This manual method took a long time to complete because various amounts of information had to be inputted, and company engineers had to "translate" to purchasing managers what exactly they wanted. Even small jobs with 20 or less components took an hour to fill out because of the number of steps and manual entry involved. Larger jobs tended

to be too much of a hassle to enter the full BOM.

## Solution

Serapid sought out a solution to wean them off of Excel to bring efficiency to their operations.

When Serapid implemented JobBOSS into its operations, it used a third-party CAD BOM importer so that data from the part's 3-D model could be translated into information on the raw materials required. However, the implementation went poorly, with the software failing to integrate JobBOSS with Solidworks. In addition, the importer's designer was completely unresponsive in technical support. Not wanting to turn back to using spreadsheets, the company turned to its ERP supplier, JobBOSS, for answers.

In response, JobBOSS signed Serapid up for the company's in-house CAD BOM importer. While it was still in beta at the



time, Serapid nevertheless joined in and was able to contribute feedback on the product direction throughout the beta process. The results were a complete turnaround in terms of service and performance. The implementation was a success, and the company continues to use the CAD BOM Import, which is now available to all customers of the ERP software.

### Results

Now, the engineers only need to complete a CAD model and load it into the CAD BOM Import. The data is seamlessly imported into JobBOSS, with all related data automatically adjusted based on the information provided. All engineers have to do at that point is review and possibly match up data with correct part numbers, validate quantities and confirm that the materials are available using the JobBOSS part master. Once the import is completed and confirmed, the engineers can notify the purchasing department, so they can purchase any materials that are not in inventory and a new order can be released to production. Data

does not have to transfer between several individuals anymore before entering into JobBOSS.

Serapid has noted a much more rapid progression from model creation to actual production thanks to JobBOSS' CAD BOM Import. Engineers are now able to enter the data into JobBOSS themselves rather than exporting and handling by numerous individuals. Small jobs take only 15 minutes to process compared to an hour while larger jobs that weren't even entered into JobBOSS can now be managed. The adoption of CAD BOM Import has brought down the number of man hours per job by 20 percent. It helps that the drawing hierarchy used in SolidWorks fits into the job structure. The CAD BOM Import has simplified Serapid's workflow. Information is now at their fingertips rather than in numerous spreadsheets. In addition, the number of errors made has been declined due to the reduced number of individuals and steps involved.

### BENEFITS

- CAD BOM data seamlessly imported into JobBOSS
- 20% reduction in man hours per job
- Faster response to order requests
- Improved customer relations
- Reduced purchasing times and improved accuracy



**Serapid**  
Bill Goolsby, Manufacturing Manager

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**//** The reduction of entry hours along with increased accuracy of production requirements has had a significantly positive impact on the shop's overall operations."

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In addition, a parts inventory is available to engineers in the CAD software as part of the job templates, which makes it easier to respond to order requests by pulling up a given part from the template rather than going through lots of paperwork.

JobBOSS' CAD BOM Import has improved customer relations for Serapid as well. Purchasing time has been reduced, there are fewer errors in orders and higher accuracy. With part due dates and the ability to

review drawing packages, customer orders have more visibility in the system assisting Serapid in providing customers more timely feedback, greatly enhancing customer satisfaction.

With the full utilization of the JobBOSS' CAD BOM Import, Serapid is better equipped to manage the needs of its customers. The company continues to use the CAD BOM Import and fully endorses the ERP software.