ARDEM
incorporated
Success Delivered

Enhancing Measurable Performance

A manufacturing company was looking to speed up their large volume data processing of pump and compressor specification data sheets. With approximately 24,000 multi-page specification sheets, the biggest challenges revolved around the need for a quick turnaround time and accuracy of the data.

The data not only spanned multiple decades, it also consisted of multiple formats. The higher the quality of data the greater the return on investment this company would receive.

Rather than dealing with a staffing and management headache, this company decided to reach out to ARDEM for a more efficient solution.

Examining the Challenge of Data Extraction

Each specification sheet contained many fields, however, not every field was required. A data analyst had to be able to identify and distinguish key fields in order to capture the correct data. The added element of interpretation created a greater need for quality control in order to prevent inaccuracies in the data.

The data received would be in an electronic format adding additional measures to ensure data accuracy.

Key Benefits

- **Extensive QC Process**
- **Reduce Cycle Time**
- **Top Quality and Value**

What Is the Impact of Poor Data Quality?

- **Total cost to fix these errors**
- ⇒ Additional time and costs are required to go back and fix errors—decreasing your current productivity
- **Decrease on credibility and increased risk**
- ⇒ A business is built on trust—lowering credibility deters away valuable customers
- **Negative impact on your ROI**
- ⇒ With all of these issues that arise with poor data quality, your overall ROI will take a hit until you can amend these issues

The close proximity of each of the data fields also introduced a high possibility for data to be captured and keyed into an incorrect field. Small font sizes, old typesets, and blurring of images also required a higher attention to detail and image enhancements in order to correctly read and extract data.

Incorporating Accuracy and A Better Bottom Line

After identifying the key components of this process, ARDEM incorporated a 5-step validation routine to create a customized solution that would ensure the highest accuracy of data.

In addition to dual-key data entry, a compare check program flagged any discrepancies within the two sets of data. A third operator then completed a check against the original sheet to validate any variant data found by the program. Next a random sample quality check was performed followed by an extensive final quality check to confirm counts of data records with the counts received before delivery.

By applying this intensive validation routine, ARDEM was able to efficiently and accurately extract data from the specification sheets with high precision with significantly less time than it would have taken in-house. Not only has this manufacturing company reduced data extraction costs by 30%, they also increased cycle time and data accuracy to improve their overall bottom line.

Manual data extraction runs the high risk of typographical errors. ARDEM implements an extensive QC process to eliminate your error rate.

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