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**Examining the Challenge of Data Extraction**

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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.