

<b>Project Title:</b>	<b>Barcode Scanner Replacement</b>
<b>Client:</b>	Armstrong World Industries
<b>School Year:</b>	2004-2005
<b>Students:</b>	Adam Henderson, Kevin Hill, and Ron Lazarowicz
<b>Summary:</b>	This ONU senior engineering project involves the replacement of a barcode reader system currently in operation at Armstrong World Industries at the Kankakee, IL facility. Armstrong World Industries of Kankakee is a floor tile manufacturing company. The Kankakee facility is currently using Accu-Sort barcode readers that are out of date and do not have replacements. If some kind of action does not take place now, it might be too late when a scanner breaks down. The purpose of this project is to update the existing barcode scanning system with a new and improved system. The design process for this project includes: research, limiting the candidates to three, bench testing sample units, analyzing the test and results, selecting a new vendor. In the end, the vendor chosen is Microscan. Microscan shows ease of use for the plant's application, tests better, and costs less than the other vendors. The MS-860 from Microscan will keep Armstrong World Industries of Kankakee operational for years to come.

