

"Process Control Management System"

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Process Control Management (PCM) is a tool recipe management system that was created to improve yield by restricting material from running on unqualified tools. PCM also improves productivity by eliminating the need to memorize tool restrictions and reducing the number of un-needed test runs. PCM was designed and implemented at Freescale Semiconductor (recently launched by Motorola) and it is fully integrated to our Manufacturing Execution System (MES).

In this paper, we will give you a brief overview of the problems before PCM and we will share our success story. We will also give you an overview of PCM and its interactions within the MES. Supporting yield and productivity improvement data will also be presented.