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Study on ATLAS Inner Tracker strip module production rate

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The ATLAS Inner Tracker upgrade involves 30 many production sites to produce 18,000 large number of strip modules. To prepare against any need to increase module production rates at the stripe institutes, an investigation of a range of solutions to boos assembly throughput have been done. This inclues a multi-module bonding jig for increased wire bonding rates, ways to increase the number of vaccume assembly jigs safely in operation, and several other Quality Control (QC) processs, such as visual inspection, database interaction, that could benefit from increase throughtputs.

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