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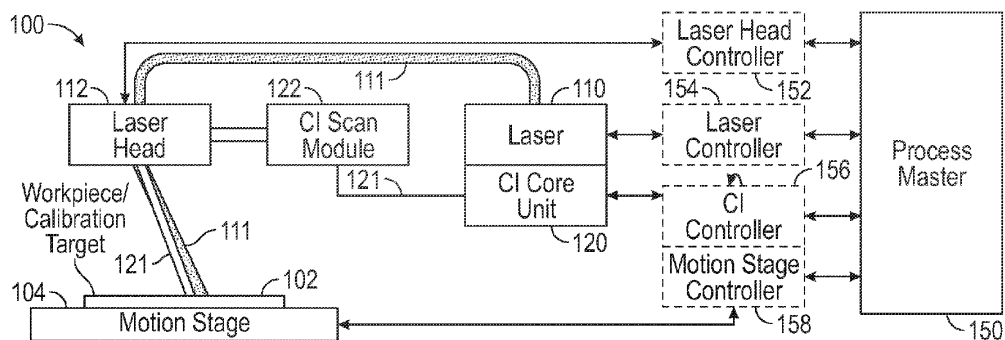


FIG. 1

(57) Abstract: Systems and methods for static and dynamic calibration may be used to provide alignment of a measurement beam from a coherence imaging (CI) measurement system relative to a processing beam from a material processing system. In these systems and methods, a calibration measurement output may be obtained from the CI measurement system and/or from an auxiliary sensor. Future measurements performed by the CI measurement system may be modified based on, at least in part, the calibration measurement output.

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