Qualification and process control of EUV coatings for mass production demand new concepts and strategies for EUV metrology. High throughput, reliability and uptime as well as automation are just some of the challenges encountered in a production environment. We present an overview of the metrology capabilities for EUV coatings at Carl Zeiss SMT GmbH and show examples on how production related challenges can be met by optimizing handling, control and technology. Concepts range from robot assisted mounting and automation of the operator handling to intelligent combination of measurement techniques to maximize information output of single measurements.

*florian.spreitler@zeiss.com*