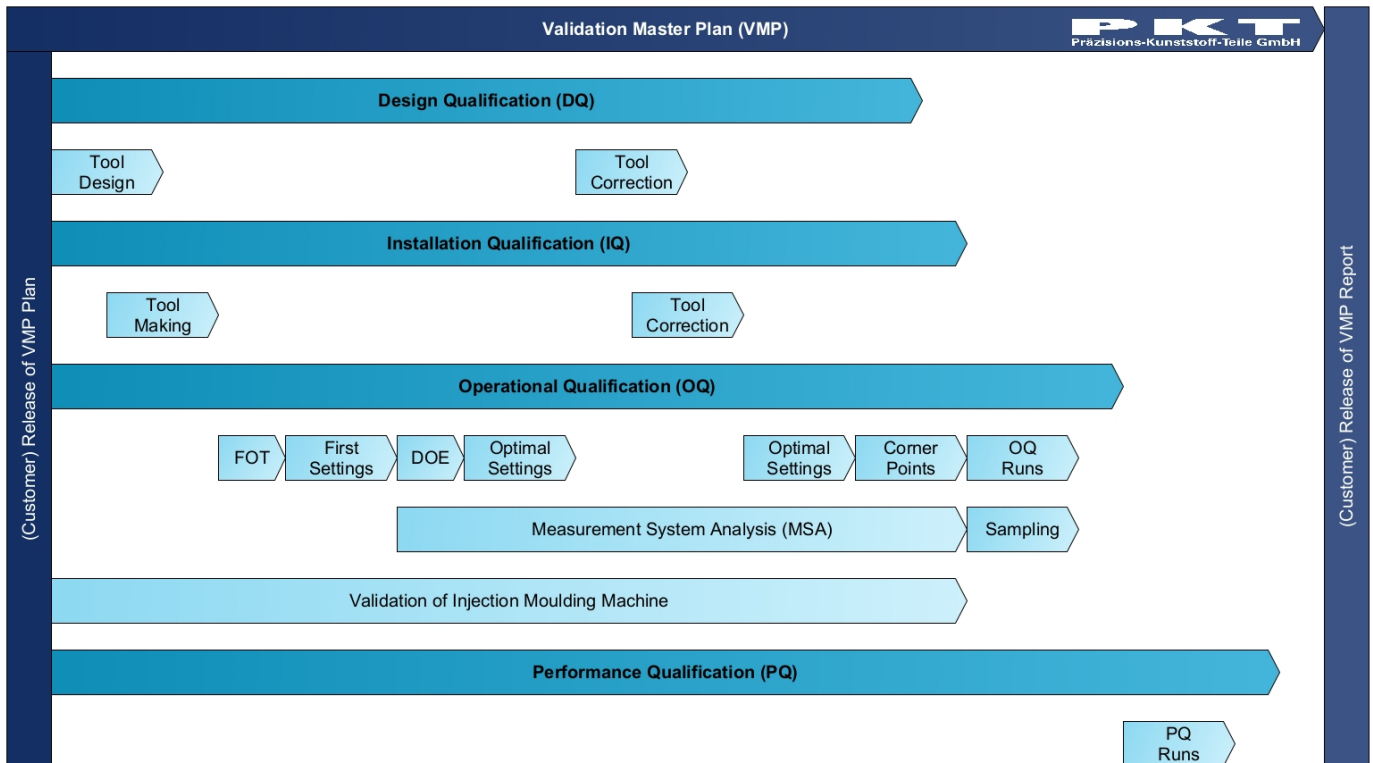


Process validation - the most efficient cornerstone of your product process reliability

PKT validates the serial production of your products at your request. All the necessary steps are carried out and documented, from tool design, tool construction and tool sampling to series release. The scope can be tailored to meet your requirements and consists of the following main phases:



Validation Master Plan (VMP)

- » Contact details of project members
- » Define customer requirements and scope of validation

Design qualification (DQ)

- » Verification of development inputs and results as well as required tests and approvals

Installation qualification (IQ)

- » Verification of the correct installation of tools and equipment as well as correct identification and labelling

Operational qualification (OQ)

- » Tool installation and commissioning on machine (FOT¹)
- » Process determination and test (first setting, DoE², optimum setting, corner points)
- » Measurement system analysis, first sample inspection and proof of capability

Performance qualification (PQ)

- » Training of production staff and pilot production
- » Part testing and proof of capability

¹ First out of tool

² Design of Experiments