Free-form definition of tool-paths: line-based processes

Process & tool-paths · https://convergent-it.com/de/tutorial/process-tool-paths-de/free-form-definition-of-tool-paths-line-based-processes-de/

Robot sanding, painting, grinding, sand-blasting, glueing (aera), or 3D measurement processes with (moving) scanners are examples for "line-based-processes" (or spline-based-processes) since the tool is moving during the process with respect to the surface or "across the surface" of the part.

Robotic deburring, welding, sealing, etc. are also line or spline-based processes, but since they are tied to a feature, such as an seam or weld, other simple methods are provided in AUTOMAPPPS and will be described individually.

The video gives and overview how robot tool-paths can be created easily by "clicking on the surface" of the part.

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