APP+
PROCESS PARAMETER ACQUISITION

STAIN
MES SOLUTIONS

LEADS YOU IN INDUSTRY 4.0

- **INDUSTRY 4.0 INTERCONNECTION.** STAIN+ supports interconnection with machines to acquire process parameters directly from the machine/press controller. With project-based activities, it is possible to interconnect machines/presses with EUROMAP 63, EUROMAP 77, OPC-UA, PROFINET, S7-PROTOCOL protocols or with *ad hoc* drivers developed to the manufacturer's specifications. With this mode, in addition to the transmission and reception of the recipe, it is possible to acquire, for each print, the run time values of the characteristic parameters for process control and product quality.

- **ARCHIVING PROCESS PARAMEERS.** At each N drop forgings/strokes/pieces, STAIN+ archives, with a configurable N, the run time values / process parameter setpoints that are read directly by the machine controller through the interconnection described in the previous paragraph.
  Each value archived is associated with the production data currently active on the machine / press (Production Order / Operation / Article / Batch / Operator / etc.) for product and process certification.
  The module allows multiple analyses on the stored data by representing the trend of one or more process parameters, in correlated form on the same graph or in a table. In this way, the operator can correlate the trend of the analogue/digital variables for process analysis and optimisation.
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- **EXPORTING DATA TO EXCEL.** All data on the various query grids can be exported to Excel by simply clicking the mouse for an off-line analysis and/or to feed learning and artificial intelligence machine modules to create templates, simulate and optimize processes.

- **PREREQUISITES.** The APP+ module requires PRD+ to be installed.