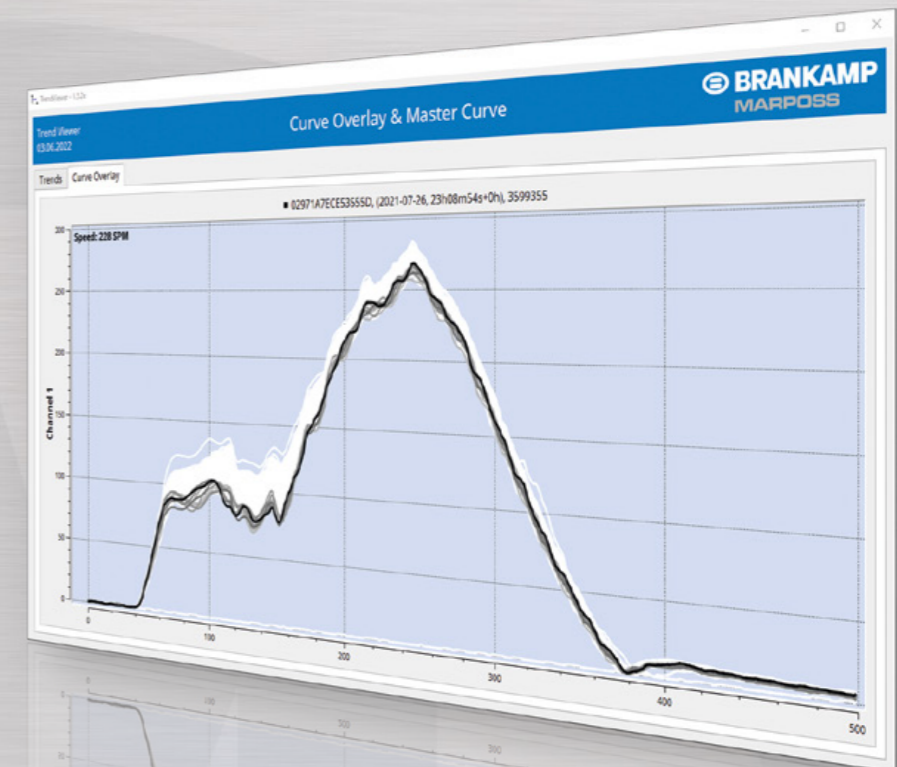


PROCESS DATA ANALYSIS

TrendViewer



MARPOSS



www.marposs.com

For a full list of address locations, please consult the Marposs official website

ODN6B00EN27 - Edition 06/2022 - Specifications are subject to modifications.
© Copyright 2022 MARPOSS Monitoring Solutions GmbH (Germany) – All rights reserved.

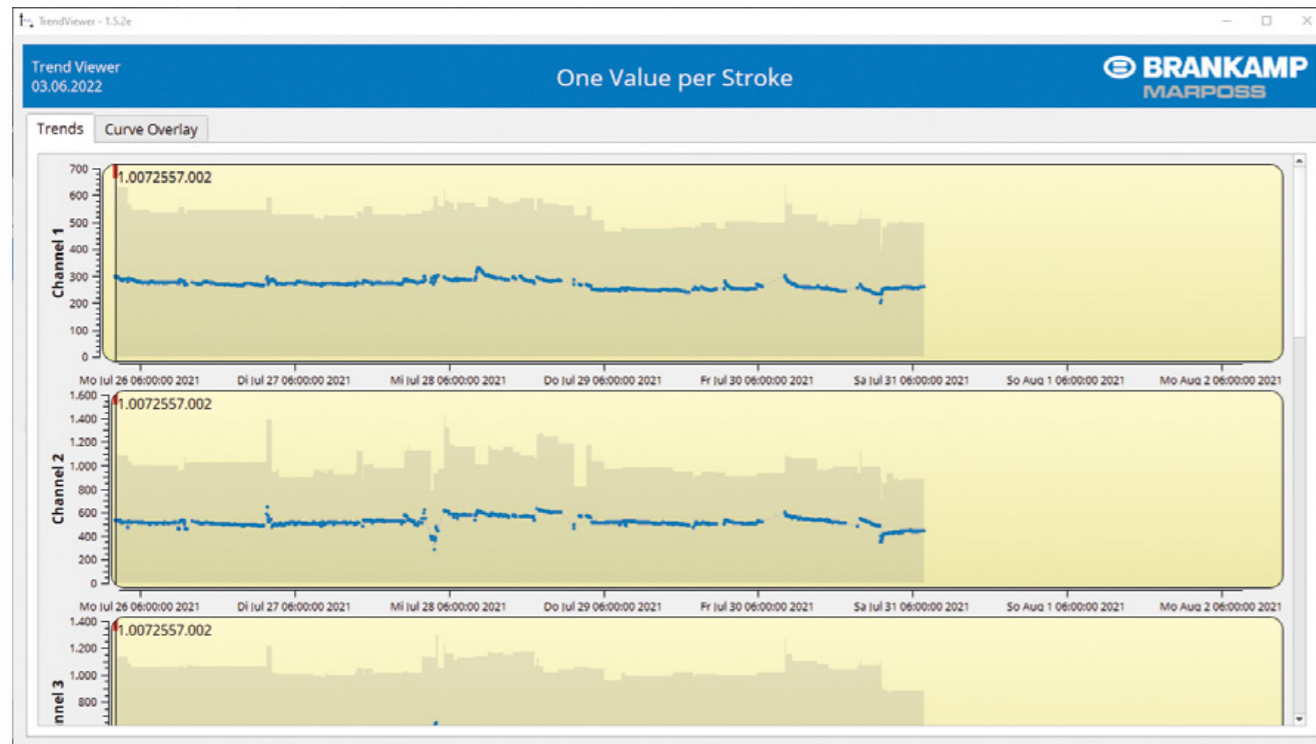
BRANKAMP, MARPOSS and Marposs product names/signs mentioned or shown herein are registered trademarks or trademarks of Marposs in the United States and other countries. The rights, if any, of third parties on trademarks or registered trademarks mentioned in the present publication are acknowledged to the respective owners.

Marposs has an integrated system for Company quality, environmental and safety management, with ISO 9001, ISO 14001 and OHSAS 18001 certification. Marposs has further been qualified EAQF 94 and has obtained the Q1-Award.



www.brankamp.com

TrendViewer



Process data collection - Industry 4.0

Process data in forming and stamping technology are becoming more and more important for the production of high quality parts, process-, tool- and machine optimization and the comparison of different machines, production runs and material suppliers. Force signals, long term trends, stop & go and counter information can be transmitted via network to a server, stored automatically with date and time stamps and are available to various users for immediate and/or subsequent analysis.

Application

The XBrowser is a server based software tool for the transmission, visualization and storage of time, stroke or process faults event for Brankamp X units. In the TrendViewer software those stored process data files can be reloaded, displayed, filtered and evaluated with different methods and time intervals. Fast analyze of long production runs is easily possible, finding of failure curves, process variations or modification of monitoring limits can be done with a few clicks. The superimposition functions of curve data allows detailed view into selectable parts of the process behavior and conclusions about the production process can drawn about process stability and even tool wear.

Why Process data analysis?

For the first time process data can be stored with a high frequency and evaluated offline, providing for the user detailed and complete information about the whole production run. Different machines, machine and tool settings, tool and material supplier can be compared and effectively evaluated and conclusions can be made to optimize production, increase productivity and reduce scrap production.

Benefits

This type of post-process data evaluation offers different users (e.g. production manager, tool designer, quality manager etc.) the possibility to analyze and evaluate his entire process data for the first time. With this tool, important conclusions can be found about process variation, setting of monitoring limits and recognition of process influences during the whole production run. The knowledge acquired is helpful in determining the optimum process parameters and provides detailed conclusions about tool wear.

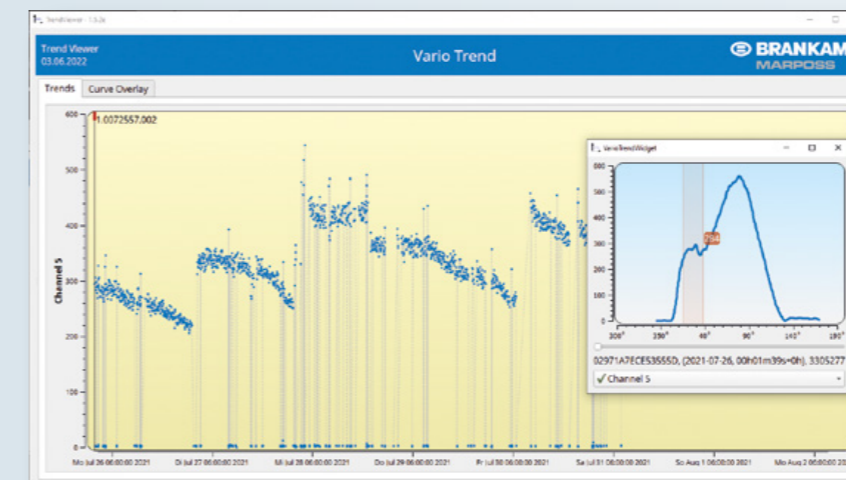
Process Quality

- stored long term process quality
- easy search for process variation
- complete process quality documentation



Vario Trend

- detailed trend information related to a free selectable curve area
- detailed tool wear analysis



Master Curve

- Master curve over all selected "production" curves
- Reference curve for machine and tool setup

