

DATAEXPLORER

*THE MICROSCOPE FOR
REACTION PROCESS MACHINERY*



Krauss Maffei

Pioneering Plastics



Detailed process analyses possible on PC

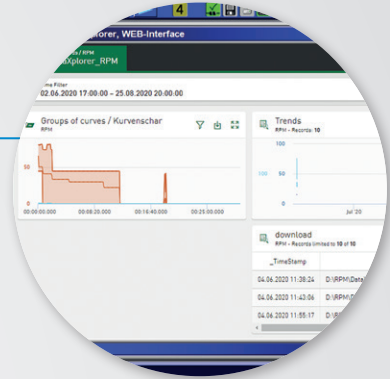
Data export locally via USB
or centrally via company
data network

dataXplorer

THE MICROSCOPE FOR REACTION PROCESS MACHINERY

Visualization of signal paths, evaluations and long- term temperature trends

Via external device or
machine display (PUC 08)



Review on the machine

Graphs are stored for at
least 120 days



Uninterrupted documentation and automated evaluation

Possible with permanent storage
on separate server system



Insight into the details

With the dataXplorer all process and quality
relevant signals are plotted at 100 Hz.

JOIN THE FUTURE DATA-BASED WORLD

Together with our partner iba AG, we offer a data collection and analysis system for KraussMaffei reaction machinery, which gives you profound and unprecedented insight into your processes. Obtain new findings, identify faults quicker, discover optimization potential and document your production like never before.

Insight at the highest level

With the dataXplorer, you won't miss a single detail: The synchronous recording of all process-relevant signals provides a profound insight into the reaction process. Causes and effects can be linked with the help of validated data in order to quickly understand interrelationships in the process. This makes it much easier to optimize processes. The cycle-based archiving of signals enables

complete documentation and further processing of the data. The intuitive and powerful ibaAnalyzer software, which is available for free download, is suitable for detailed analyses and evaluations on the computer.

1. ACQUISITION

The KraussMaffei dataXplorer is used to prepare for recording, processing and visualizing machine and process data.

2. PLOT

All process-relevant signals are plotted continuously and stored in a file for each cycle with the dataXplorer.

3. COMPARE

Display of curves via external device or machine display to compare paths of different cycles.

FEATURES

- High-performance computer
- Calculation and evaluation of complex key figures

FEATURES

- Up to 500 Signals
- 10 ms resolution
- One file per cycle
- Continuous recording of all signals in 2-hour intervals

FEATURES

- Integration in PUC08
- Stored data of last 120 days is available on the machine
- Modern, web-based interface and intuitive operation
- Comparison of freely selectable curves

The dataXplorer is integrated into the machine control cabinet. To introduce the possibilities of analyzing high-resolution data, users of the dataXplorer are provided with preconfigured analysis rules for standard evaluations of metering units and mixing head – including a quick start guide for their application.

YOUR BENEFITS:

- Uninterrupted monitoring and documentation of processes
- Tuning and optimization of processes
- Easier troubleshooting and diagnosis
- Quality data analysis, troubleshooting, and other evaluations from wherever you are located and beyond corporate boundaries

4. EXPORT

The data is accessible via USB stick or network connection and can be exported for further use.

5. ANALYZE

With the ibaAnalyzer, curves can be examined and evaluated on the PC without any additional costs. In addition, complex evaluations can also be performed with the recorded data.

6. DOCUMENT

Recording production parameters at a new level.

FEATURES

- Export of data in compact .dat format
- All curve data stored on the machine is available at all times
- Data can be sent for diagnosis
- Data can be exported directly on the machine via USB
- Integration into the company network possible

FEATURES

- View, analyze and evaluate curves conveniently on the PC
- iba AG software can be used for automating the evaluation
- Key Performance indicators can be created using preconfigured or self-defined analysis rules
- Quick-start guide for getting started with analyzing high-resolution data
- Further analysis possible with all current data processing programs

FEATURES

- Comparison of processes based on continuous values
- Production process can be documented without interruption
- Data can be evaluated with the free analysis tool ibaAnalyzer and converted into other data formats
- Optional products from iba AG offer automated calculation of process-specific key figures for continuous process monitoring and optimization

DIGITAL SOLUTIONS THROUGH COOPERATION

THE JOINT PATH TO A NETWORKED AND SUCCESSFUL FUTURE

Data is the foundation for enhanced efficiency in the future. With the dataXplorer we offer you the possibility to gain valuable insights from the data of your machines.

The collaboration between KraussMaffei and iba AG offers a unique combination of expert knowledge in plastics processing and analysis of high-resolution data. This cooperation makes it possible to offer a standardized analysis tool adapted to the requirements of the reaction process machinery. This means that all relevant signals and data from your machines can be recorded, conveniently analyzed and automatically processed.

Optimum return

The cooperative venture between the two technology leaders guarantees you secure and space-saving data recording. For instance, quality data analysis, troubleshooting and many other evaluations are possible from wherever you are located and beyond corporate boundaries. Using tried-and-tested evaluation software and a comprehensive range of training programs and services, you can now get even more out of your KraussMaffei machine.



YOUR BENEFITS:

- Many years of experience in the fields of data recording and evaluation
- Turnkey solution for recording all relevant process parameters
- Better diagnostics data and process knowledge create optimal customer service



OUR WORLDWIDE EXPERTISE IS YOUR ADVANTAGE DIGITAL & SERVICE SOLUTIONS

With your KraussMaffei machine, you have chosen a product that delivers the highest levels of productivity and reliability. In addition to our range of machinery, KraussMaffei focuses on comprehensive and future-oriented solutions, innovative business models and an innovative portfolio of digital products.

Customer service at the touch of a button

The process of digital transformation is becoming faster and easier than ever for the customer. Our Digital & Service Solutions unit makes your production chain even more flexible and efficient with future-oriented solutions. KraussMaffei thus globally provides an all-inclusive customer service package and networks machines and processes with each other. Our global support offers a sound basis for your local long-term success.

Individual challenges in mechanical engineering call for intelligent solutions

With our services portfolio, we support you throughout your machine's lifecycle with a strong focus on your specific needs. In order to satisfy your wishes, we offer you a wide range of solutions in order to ensure maximum availability and optimum productivity of your machines.

Technology³ as a unique selling proposition

KraussMaffei is the only supplier in the world with a product range comprising the most important machine technologies for plastic and rubber processing: injection molding machinery, automation, reaction process machinery and extrusion technology. KraussMaffei is represented worldwide with more than 30 subsidiaries and over 10 production plants as well as about 570 commercial and service partners. Working together with our customers and partners, we are thus in a position to offer vast and unique expertise in the industry.

You can find further information at:
www.kraussmaffei.com

MAKE THE RIGHT
DECISIONS BASED ON
HIGH-RESOLUTION DATA.
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