

DATAXPLORER

*THE MICROSCOPE FOR
THE INJECTION MOLDING PROCESS*

KraussMaffei

Pioneering Plastics



Visualization of signal paths,
evaluations and long-term
temperature trends
Directly in the control panel



Detailed process analyses possible on PC

Data export locally via USB
or centrally via company
data network



dataXplorer

THE MICROSCOPE FOR THE INJECTION MOLDING PROCESS

Insight into the details

With the dataXplorer-Feature all process and quality relevant signals are plotted at 200 Hz.



Review on the machine

Graphs are stored for at least 50 days

Uninterrupted documentation and automated evaluation

Possible with permanent storage on separate server system



Examination of curve progressions and analyses in company network

Optimized for mobile devices

JOIN THE FUTURE DATA-BASED WORLD

Together with our partner iba AG, we offer a data collection and analysis system for KraussMaffei injection molding machines, 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 injection molding 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 smartCube 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 feature.

3. COMPARE

Display of curves in the MC6 controller and option to compare paths of different cycles.

FEATURES

- High-performance computer
- Basis for digital Products
- Calculation and evaluation of complex key figures

FEATURES

- Up to 1.000 Signals
- 5 ms resolution
- One file per cycle
- Separate plotting of downtimes

FEATURES

- Integration in control panel of MC6 controller
- Stored data of last 30 days is available on the machine
- Modern, web-based interface and intuitive Operation
- Comparison of freely selectable curves

The basis for using the dataXplorer is the KraussMaffei smartCube, a high-performance computer integrated in 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 plasticizing or hydraulics – 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 injection moulding process. 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 injection molding 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

DATAEXPLORER

Collection and recording of data from the machine for displaying current and historic process and quality parameters.

forensicExpert

WE HELP TO UNLOCK THE VALUE OF YOUR DATA

With forensicExpert we offer you individual process data analysis and consulting.

Our experts with in-depth domain know-how and process understanding work closely with your specialists to identify the exact challenges and questions. By recording and analyzing high-resolution process data, our experts can derive action measures or customer-specific KPIs for process optimization and advise you individually.

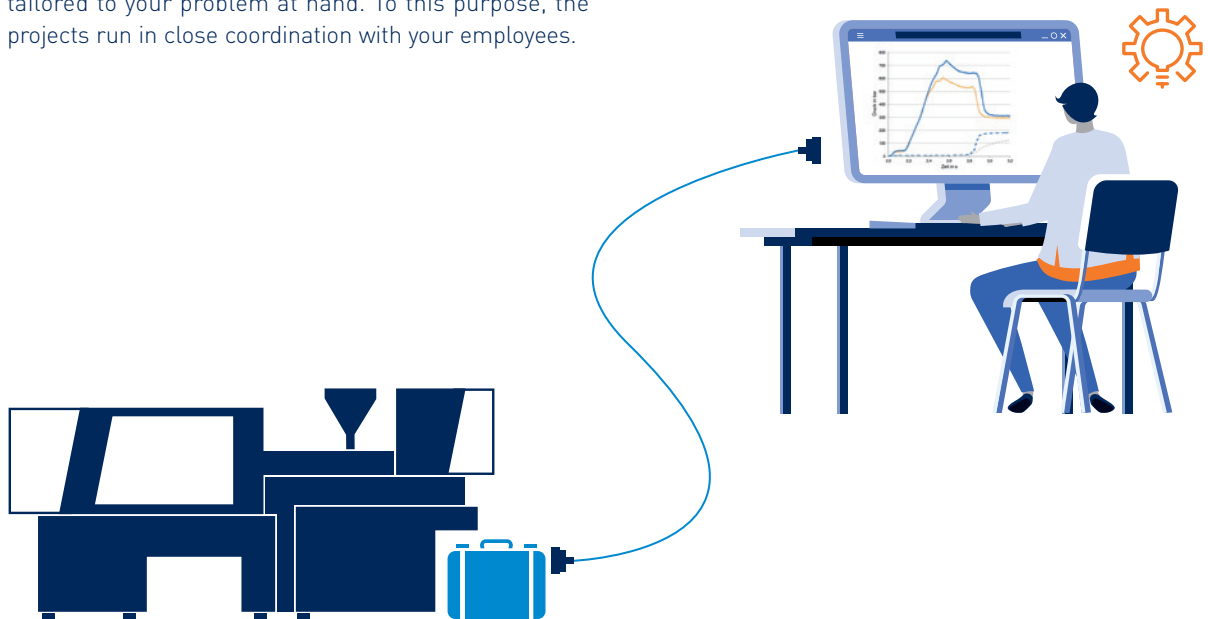
Individuality

With forensicExpert, KraussMaffei offers you individual support based on high-resolution process data. Data recording, evaluation and consulting are individually tailored to your problem at hand. To this purpose, the projects run in close coordination with your employees.

Less downtime

With the help of the dataXplorer it is possible to carry out investigations without long downtimes. No additional sensors or complex modifications are usually necessary. Extensive on-site support is a thing of the past.

If your machine does not have a dataXplorer, we will gladly provide you with a dataXplorer for the duration of the project.



forensicExpert

KraussMaffei experts for data analysis and process understanding support you with analyzation and evaluation of high-resolution process data.

MAKE THE RIGHT
DECISIONS BASED ON
HIGH-RESOLUTION DATA.
DATAEXPLORER.



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