




With Data Cap, Kautex Maschinenbau offers data acquisition packages that you can use to set up a central data acquisition system for your Kautex machines. Not only does this make your production processes more transparent, it also increases the efficiency and quality of your output.


Central data acquisition system for all Kautex machines


Data Cap uses a standardized data acquisition system that allows you to analyze your Kautex machines easily and from one central location. For example, smart monitoring lets you keep a constant eye on your production and make your manufacturing processes more efficient. All new Kautex machines are already compatible with Data Cap, while old systems can be retrofitted on request. The data acquisition system can be installed in shortest time and with minimum outlay. Thanks to the international communications standard OPC-UA, the packages on offer are easy to integrate into existing production systems. The numerical values are visualised as a trend curve in the HMI.

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Centralized
Central monitoring and analysis of production processes
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Transparent
Clear increase in efficiency and quality
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Compatible
Simple integration across the entire line thanks to the OPC UA standard
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Easy installation
New Kautex machines are readily compatible, while old models can be retrofitted
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Standardized
Identical design for all Kautex machines

Available packages

All packages on offer are built around the basic Data Cap package.

Package 1

BASIC

Purpose of the package:
to provide an overview of the machine's status and ongoing production

Contents of the package:
piece counter, cycle time, extruder status, temperatures, extruder speed and melt pressure

Package 2

WDS PROFILE

Purpose of the package:
to monitor the quality of the wall thickness distribution in the preform

Contents of the package:
target and actual value curve, maximum deviation, quality indicator

Package 3

ENERGY

Purpose of the package:
to monitor the fed-in energy (electrical, cooling water, air)

Contents of the package:
electrical energy consumption, cooling water consumption including pressure and temperature; air consumption and pressure

Package 4

PROCESS MONITORING

Purpose of the package:
to monitor all data relevant to the process or item (quality assurance)

Contents of the package:
process times, motion profiles, blowing air control, mold cooling water

Package 5

MACHINE MONITORING

Purpose of the package:
to monitor the machine

Contents of the package:
motor torques and temperatures, motion energy and times; closing force



Fabian Kröber
Kautex Expert for Kautex Data Cap

If you have any questions, please contact:
Fabian Kröber
fabian.kroeber@kautex-group.com
(+49) 228 489-251