KePlast EasyNet

Process monitoring for
injection molding machines

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KePlast EasyNet –
Process monitoring for injection molding processes on PC, smartphone & tablet

KePlast EasyNet is a simple, user-friendly program for the cost-effective networking of injection molding machines, that is ideally suited for central data acquisition and backup. With KePlast EasyNet you can monitor all your production machines at a glance. Fast response times ensure maximum productivity levels.

With EasyNet, the production manager or shift foreman can access all the machines on the network. EasyNet provides key data such as the production status, quality data and productivity data from each individual machine on the control center PC or on a smartphone.

The user interface is the same as on the machine control unit. Machines equipped with a KePlast control are depicted on a machine hall display diagram.
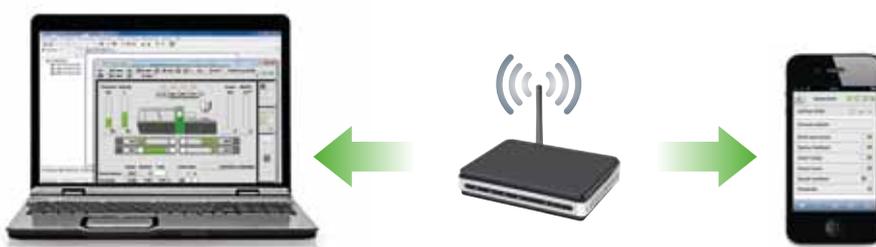
Thanks to the free positioning of the machines and the graphical editing options included, a machine hall can displayed virtually.

This allows an overview of the status of the machines in the hall to be generated in real-time.

Machine hall overview

EasyNet can be installed on any Windows PC. If the Windows PC is equipped with a WiFi router, it can also be used as a web server and permits access by smartphone or tablet via the company's internal WiFi network.

Central data management

EasyNet records all relevant machine parameters in a production run and exports them cyclically. This data is stored on the EasyNet computer in a database and is made available there for evaluation. This means that quality logs or productivity assessments can be created. For further processing in other programs, the data can be exported from the database in CSV format.
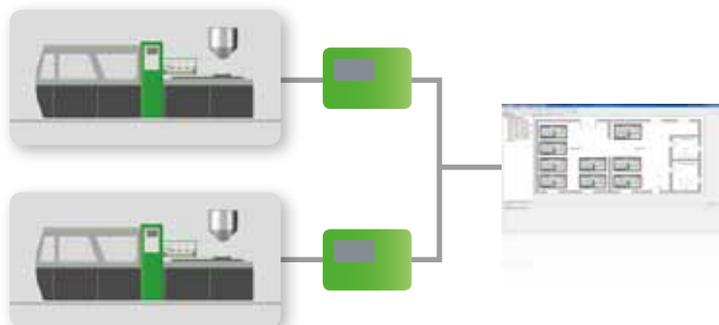

Production data

Not only cyclical production data is recorded, the machine or parts data records can also be copied to or from the machine. The process parameters for the parts can be managed on the control computer and the production on the relevant machine can be prepared as required.

Process parameters determined for a specific molded part can therefore be archived and can then be copied across to another machine. This means that errors that could otherwise arise during a manual transfer via USB stick can be eliminated.

Third party machine integration

Machines from many different manufacturers can often be found in a production hall. The optional EasyNet AccessBox extension box means that machines not controlled with a KePlast control can be integrated into the EasyNet network.

EasyNet AccessBox

Important parameters such as cycle time and machine status can be recorded and are also made available in the central database for productivity evaluation.
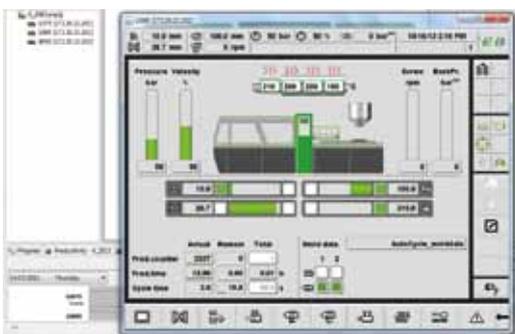
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A complete overview of quality and productivity
KePlast EasyNet is used to portray production-related data in a clear format

Familiar user interface

In a reduced machine overview, the key machine status conditions are visible at a glance. The overview page, as well the system layout, also shows the key production values such as machine status or production unit quantities.

Clear symbols indicate the operating status of the machine. If detailed information on production, the process or any forthcoming events is required, the machine visualisation can be started by clicking.
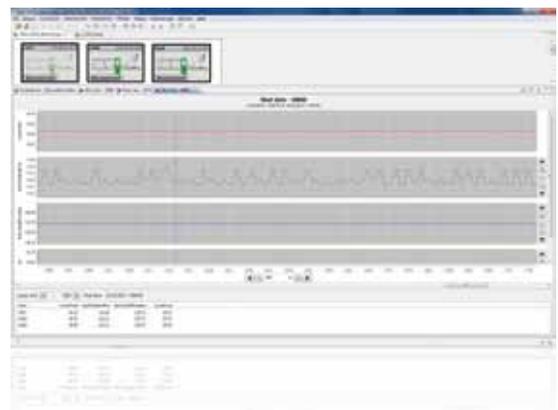

Overview page with alarm display

Users see exactly the same user interface that they are familiar with from the KePlast controls on the machine. All parameters, graphics and buttons are located at the familiar location, meaning that the operator can use the equipment straight away without any training.
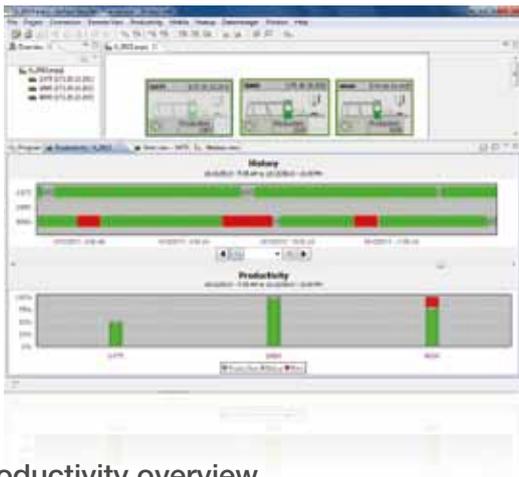
Quality monitoring

Special views permit the display of the key production parameters clearly in graphical format. The user defines the required quality parameters that are exported and displayed for each production cycle in tabular and graphical format.

Quality overview

The zoom and time grid can be set to optimize the display for the required monitoring period. The quality data can be exported and processed further in a production log.

Productivity overview

A separate productivity overview provides the production manager with an overview of the efficiency of the production.

In clear graphical format, the productivity overview provides information on how long the machines have been in productive operation or when machines have been taken out of operation due to faults or maintenance.

Intelligent heat-up management

Avoiding peak currents is an important tool for minimizing energy costs. To avoid precisely these peak currents when starting up the production hall, Easy-Net uses an intelligent algorithm to heat up the machine heaters.

Heat-up management with KePlast EasyNet

This means that EasyNet ensures that all machines are at operating temperature at the defined start of production with nothing to prevent an efficient production start.

Of particular significance is the heat-up management when shift operation is no longer being used or if the entire system is put into operation each morning or following a weekend.

EasyNet Mobile
Current information on machine status at all times on smartphone and tablet

KePlast EasyNet Mobile is an extension to the Easy-Net control center software to provide data for mobile terminals.

EasyNet Mobile provides the data via a web browser. This means that production staff, from the service technicians to the production manager can view the relevant production information regardless of mobile terminal, whether an iPhone, Android smartphone or tablet.

An event-based display shows the next actions per machine, for example that production is currently running or a machine service is due.

EasyNet Mobile provides you with the following benefits:

- Device-independent thanks to browser-based design
- Current information on the machine status and standstills available at all times
- Cycle time, scrappage rate, utilization level are always up-to-date
- Anticipated work planning and serious machine alarms on the mobile terminal
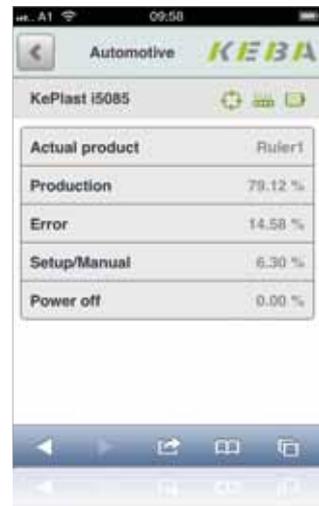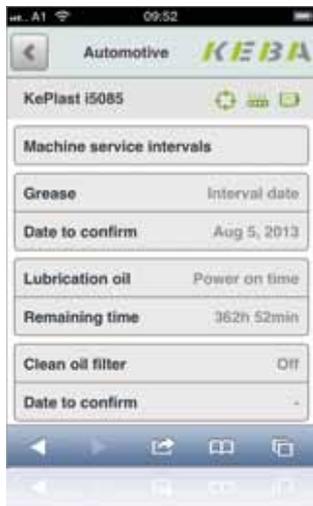- Simple and user-friendly operation

In case of an error or with important events such as maintenance, EasyNet Mobile sends an e-mail to defined service personnel so that a response can be implemented quickly and efficiently, reducing machine standstill times.

Monitoring machines in production is therefore made significantly easier. Inspections in the machine hall are reduced, permitting faster responses.

KePlast EasyNet Mobile provides important statistics at all times such as productivity, current cycle time, scrappage rate and utilisation level on your mobile terminal.

Production-based data can be used without a local installation and with minimal system work required. The production manager and service personnel are therefore always fully up-to-date.

EasyNet mobile icon on a smartphone

Smartphone screenshots – EasyNet mobile

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Indeed, as a result of competence, experience and courage, KEBA is the technology and innovation leader in its market segments. Extensive development and production expertise have proved a recipe for highest quality.

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