

# Interface with motion

Premium HMI with full control and motion right there in your panel



# Simply integrate with iX HMI SoftMotion

Choosing iX HMI SoftMotion means you're investing in a premium HMI solution. You also get a complete platform for control and motion applications that fit seamlessly together. It doesn't get more compact. In fact, you can develop a human machine interface that feels like you're face to face with the motion itself. That's interfacing with motion.





**iX HMI SoftMotion** delivers our intuitive iX HMI solution with integrated CODESYS soft control and CODESYS soft motion. Our lean operator panels are slim in size yet powerful in application. Combined with our servo systems, remote I/Os and frequency inverters, it's hard to find a more complete offer.

Get off to a flying start with our start-up programs and you're up-and-running in next to no time, ready to customize so you can start doing what you do best. You can draw on our function block library full of ideas and rely on our expert drives group should the need arise. System integration has never been simpler.



**Integrated with CODESYS  
and boosted by EtherCAT,  
iX HMI SoftMotion brings  
the speed and stability  
that makes it all possible**



*iX HMI SoftMotion is compact in appearance, with slim operator panels and high-performance servo systems. Yet it offers all you need for a complete automation system.*

# Face to face with the future of system design

More and more energy is being used developing competitive, user-friendly HMI applications. But putting vital and sensitive functionality like control and motion into the panel has always proven to be difficult. Until now, that is. The iX HMI SoftMotion solution has the powerful hardware features and super-fast EtherCAT communication to provide the speed you desire with the stability you need.

## Premium HMI makes good business sense

The iX HMI solution provides you with all the necessary tools to create an efficient HMI, like top class graphics, touch screens and breakthrough ways to profile your application. No need for the conventional PLC/operator panel set-up with a host of switches and lamps, now everything's integrated in the panel.

Superior graphics, high-performance motion control and intuitive usability make iX HMI SoftMotion the premium solution for enhanced user value and brand experience.

*iX HMI SoftMotion panels are reliable platforms for soft control and soft motion. Powerful CPU, massive memory capacity, a CE Windows operating system and high-speed EtherCAT communication guarantee all the stability and speed necessary.*



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**An efficient HMI generates happier customers, positive word of mouth and reduces both development and support costs**



## Boosted by EtherCAT

**EtherCAT**

Up and coming and incredibly fast, EtherCAT is the world's most used Ethernet-based bus

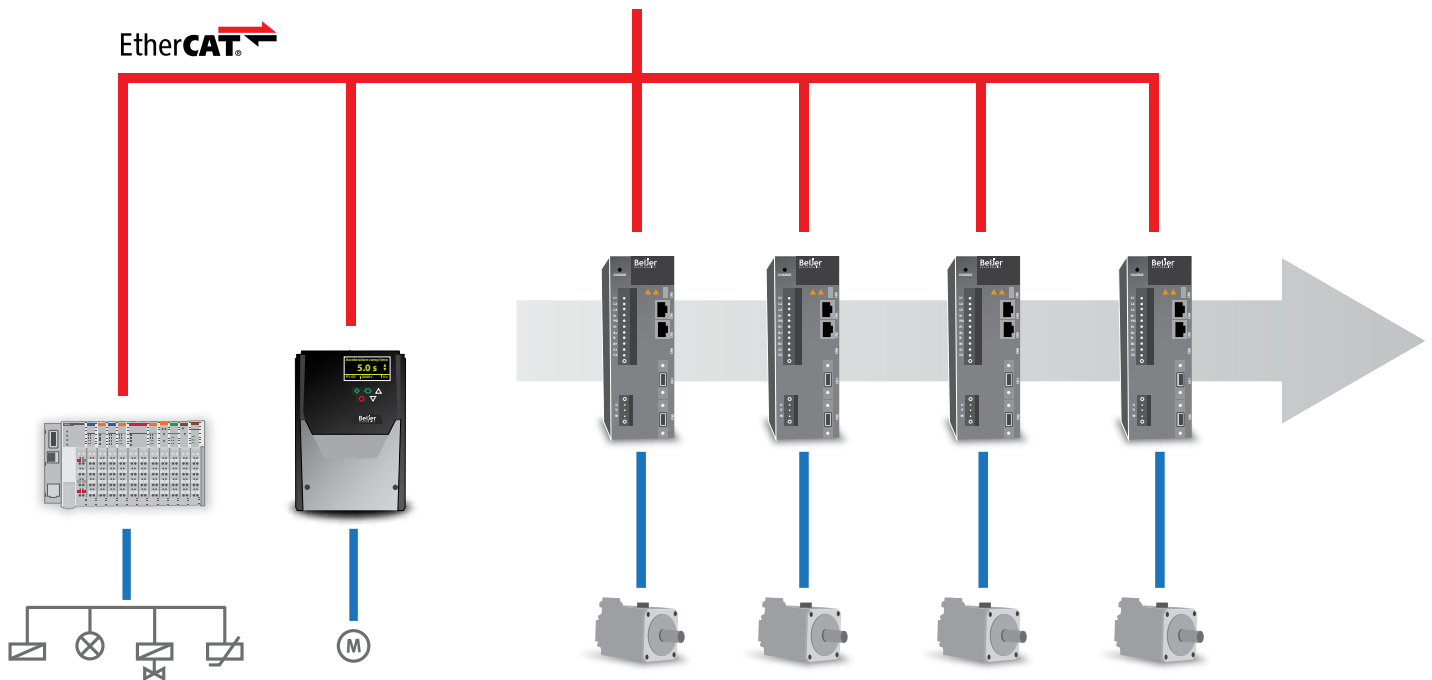
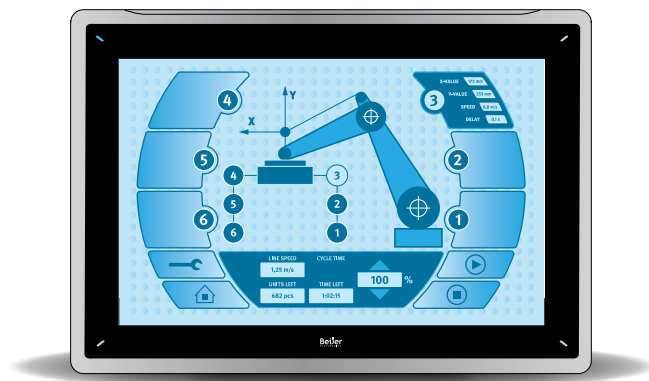
in new installations. EtherCAT underlies the entire iX HMI SoftMotion system, so there's no need to set up individual communications between the various parts of your automation. Applied to application solutions requiring short data update times, EtherCAT delivers low communication jitter and reduces your hardware costs.

### **EtherCAT – well-proven industrial Ethernet:**

- **High performance** – fast, real-time capability and synchronized mechanism
- **Open network** – up-to-date global open protocol
- **Cost effective** – economical standard Ethernet cabling and connectors
- **Easy to use** – versatile topology, diagnostics

# Lean hardware. Less than you'd think. More than you'd imagine.

Clean up your design with less hardware. This lean yet highly integrated solution lets you streamline your applications. You need fewer components and you get a lot of technology for your money. iX HMI SoftMotion is powerful, yet simple and integrated by its very nature.



## It doesn't get any simpler than this!

Our solution has the crucial advantage of offering reliable, high-speed EtherCAT communication between panel and servo drives, remote I/Os and frequency inverters with all hardware fitting together seamlessly. It's as easy as plug-and-play!



## iX operator panels

### Lean design meets rugged applications

The operator panels in the iX HMI SoftMotion series range from 7 to 15 inches and are quick and easy to mount and install. They offer high performance CPUs and the latest screen technology with LED backlight for an easy-to-read screen and wide viewing angles.

iX HMI SoftMotion allows configuration freedom, letting you choose the number of servo drives, remote I/Os and other automation products.



## Servo systems

### Great quality and high performance

Our servo systems offer functions like high resolution absolute encoder, open high-speed network EtherCAT and safe torque-off as standard. The motors are very compact offering high performance connector with space saving design.

Enjoy the benefits of simple implementation. Up to 100 meters between nodes means there's no problem for larger applications. Standard RJ45 connector and cabling mean cost-effective connection. Versatile I/O assignment by parameters delivers flexibility and high-speed position capture function provides exactness directly on the servo drive for high precision.



## Automation products

### Additional technology to make your system complete

We offer additional high-quality automation products to make your drive systems complete, including frequency inverters, remote I/Os and power supplies. All our products can be connected to the same high-speed EtherCAT bus to facilitate fast, real-time control. And you benefit from contacting one and the same supplier for help and advice concerning any items throughout the entire system.



# Power to the programmer. Merging mind and motion.

The iX and CODESYS softwares take you from idea to result faster than ever, making your projects as easy to complete as they were to imagine. The panels' great memory capacity means graphically advanced interfaces can fit comfortably with large PLC and motion programs, delivering greatly advanced drive solutions. Along with high-speed program execution, you can create far more functionality with more complex motion control.



## All you expect and much more

With clear and flexible objects, iX lets you provide a user-friendly interface that offers efficient operation with short introduction time, increasing your productivity on the spot. And advanced vector-based graphics provide your application with a professional look to give it that competitive edge.

It's easy to shape your application in new ways that create visual expressions, boosting the user experience and impression of the machine. Simply profile your application to harmonize with a company brand and give your projects a new and inspiring dimension.

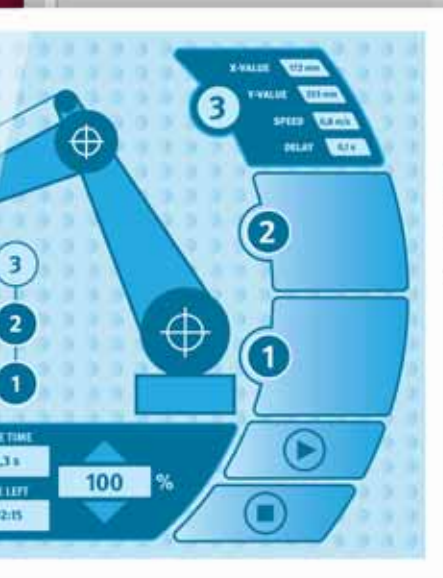
Explore new and smarter ways to control, inspired by modern mobile devices. Let familiar scroll and swipe gestures make your application easier, faster and more efficient to navigate. And save valuable screen space while you're doing it.







Looking for tools to match your imagination? Choosing **iX** and **CODESYS** means you get the best of two worlds to help you integrate **HMI, soft control and soft motion**.



**CODESYS**

**Virtually unbeatable**

CODESYS fits hand-in-glove with iX software. The softwares exchange data easily and have fundamental similarities, both in terms of openness and communication. It's the leading hardware-independent IEC 61131-3 development tool on the market. The software package includes soft control and soft motion.

**CODESYS offers:**

- Excellent debugging and online/offline programming
- Built-in PLC simulator
- Easy-to-use fieldbus configuration and integration
- Certified PLC open POU's for single and multi-axis movements and CAM controllers
- Visualization templates to quickly and easily commission the POU's from the CODESYS Visualization
- Virtual and logical axes supported

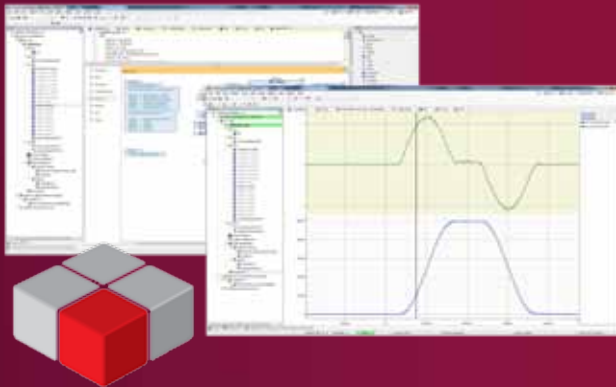
**From start-up to back-up.  
Making it easy to make it easy.**

**Save time, save effort, save money. Our experience and expertise makes it easier for you at every stage, so all you have to do is get on with the actual system development. After all, that's what you do best.**

## Start-up programs

Up and running in no time

Our ready-to-use HMI and PLC start-up programs include all the basic settings. Simply plug in, download the programs and you're moving in next to no time. Then, all you have to do is adapt the system to fit your own application and you're good to go.



**CODESYS**

## Drives group

Whatever's in front of you,  
we're behind you!

We have experts with technical expertise in leading market products, available to support you worldwide and across all automation markets. Our mission embraces the development and adaptation of drive solutions, technical support, service and training. Downtime reduces profitability. We make sure you're up and moving again.

## Function block library

Embracing the best ideas

Being a standard system, CODESYS has numerous downloadable function blocks utilized by a large number of users worldwide. To make things easier for you, we've tested them and made them easily accessible in our start-up programs. So all you have to do is add-to and build the library to suit your specific needs.





## About Beijer Electronics

Beijer Electronics is a fast growing technology company with extensive experience of industrial automation and data communication. The company develops and markets competitive products and solutions that focus on the user. Since its start-up in 1981, Beijer Electronics has evolved into a multinational group present in 22 countries and sales of 1,367 MSEK 2012. The company is listed on the NASDAQ OMX Nordic Stockholm Small Cap list under the ticker BELE.

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