



# Expertise in automation technology

Discover the unlimited possibilities of Rexroth's automation systems. They integrate all control and drive components to provide optimum automation solutions: state-of-the-art, ultra-efficient, and highly future-proof.

Based on decades of experience, we developed a state of the art control platform allowing you, as a machine manufacturer, to realize your innovative machine concepts. The extensive control portfolio opens up completely new perspectives for easy, safe, and economic automation and flexible extension of your system.

We are sure you will find your preferred control solution with Rexroth. On the one hand, we offer complete automation systems and our modern controls cover all automation tasks – from a compact PLC to a flexible motion control and innovative CNC control. On the other hand, the performance and function of the drive, controller, or PC-based control systems can be adapted exactly to your individual requirements.

Design your future with the flexibility you need and configure the control solutions exactly how you require them for your applications – with systems, modules, and components from Rexroth.



Bosch Rexroth AG, 72 604 EN/2012-04



### **Uniform engineering software for all solutions**

IndraWorks now allows you to solve all of your tasks with one single software – from project planning and programming to visualization and diagnostics. Its innovative feature: IndraWorks is universally available in all of our automation systems as an integrated engineering software – you'll profit from the fast access to all functions and data of the control components and from the increased understandability of your automation solution.

### **Consistent PLC logic according to IEC 61131-3**

Using the IndraLogic PLC runtime system in all of your automation solutions, you will be able to standardize your application programs in conformance with IEC 61131-3. With its user-friendly handling, this program system that is fully integrated in IndraWorks facilitates the creation of modularized and object-oriented applications.

### **Maximum flexibility with integrated motion logic**

The family of open system software combines all components from Rexroth to provide integrated solutions with motion and logic control. Using IndraMotion, you can implement all of your centralized and distributed control designs, customized to your industry-specific requirements.

### **Scalable platforms for all control topologies**

The scalable control, visualization and I/O hardware platforms allow easy, flexible and integrated automation of your applications. Combined with open communication interfaces, these hardware platforms provide automation solutions that are also sustainable in the future and allow factory automation with any degree of freedom.

### **Safety on board – certified integrated safety solution**

The drive integrated safety technology „Safety on Board“ provides reliable personnel protection for all motion applications. With the IndraDrive family, the “Safety on Board” system, certified according to EN ISO 13849-1, Cat. 3 PL d and EN 62061 SIL 2, provides comprehensive safety

functions which you can easily integrate in your applications by simple parameterization.

### **sercos – Ethernet-based communication**

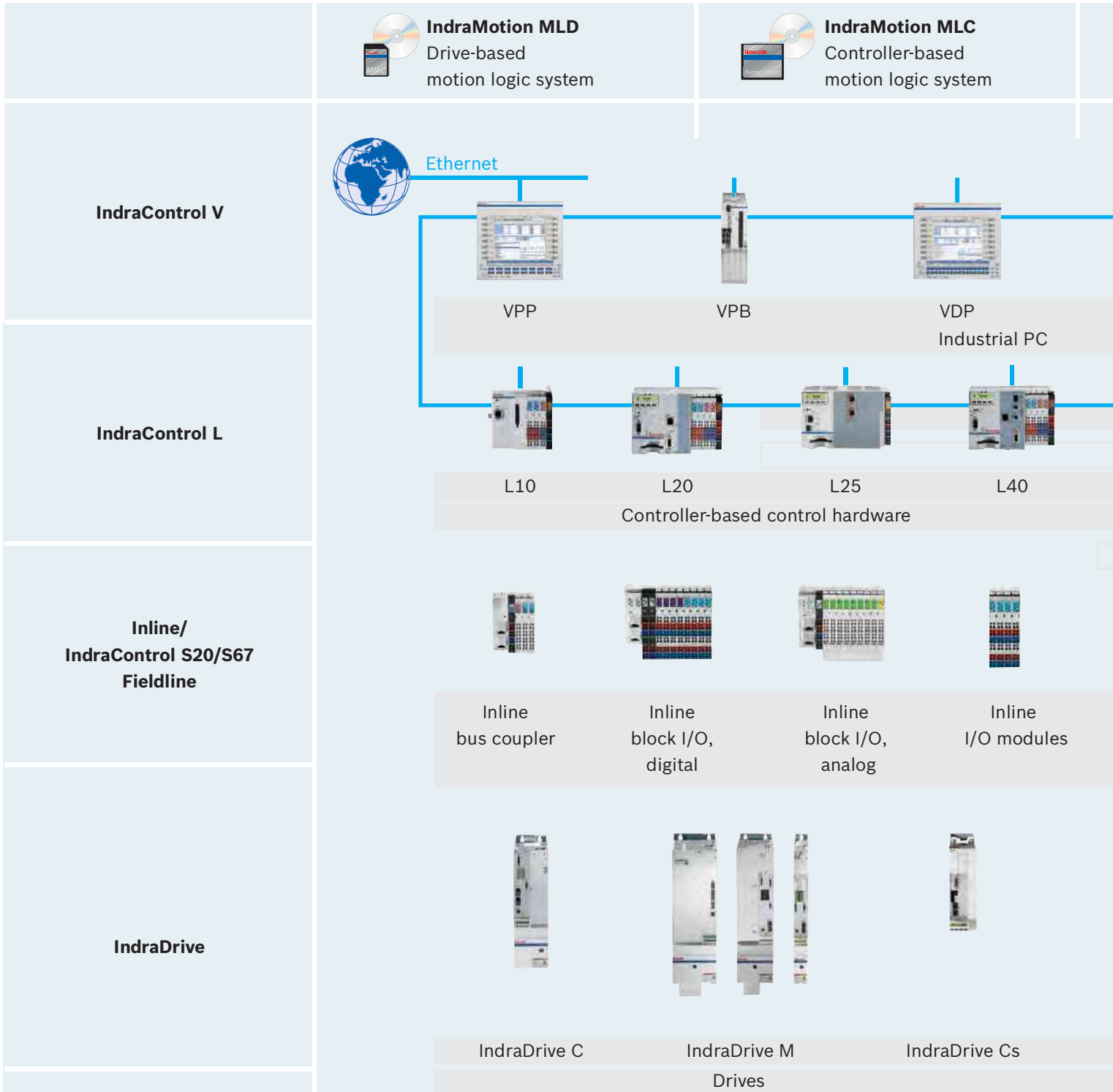
The 3rd generation sercos meets all requirements for a future-oriented machine network – open, consistent and fast. From drives and controls to I/O peripherals, all automation components are easily combined to form an understandable and capable overall system. With real-time and innovative features, sercos the automation bus provides maximum performance and flexibility in all applications.



**Bosch Rexroth AG**, 72 604 EN/2012-04





# Automation system and control components at a glance




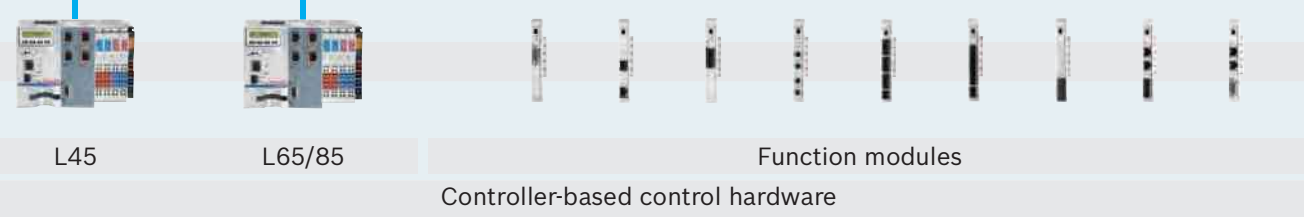
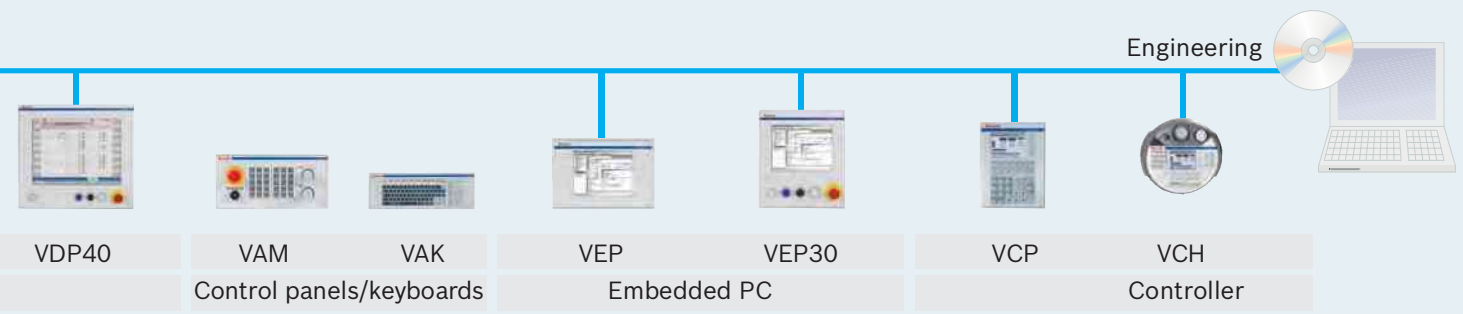
BOSCH REXROTH AG, / Z 6U4 EIN/ 2012-04



 **IndraMotion MTX**  
CNC systems

 **IndraLogic**  
PLC

 **IndraWorks**  
Engineering + operation



 IndraControl S20 bus coupler

 IndraControl S20 I/O modules

 IndraControl S67 bus coupler

 IndraControl S67 I/O modules

 Fieldline M8 I/O modules

**sercos**  
the automation bus

**PROFI**  
NET

**PROFI**  
BUS

**EtherNet/IP**

 IndraDrive Mi  
Drives

 IndraDyn  
Motors