

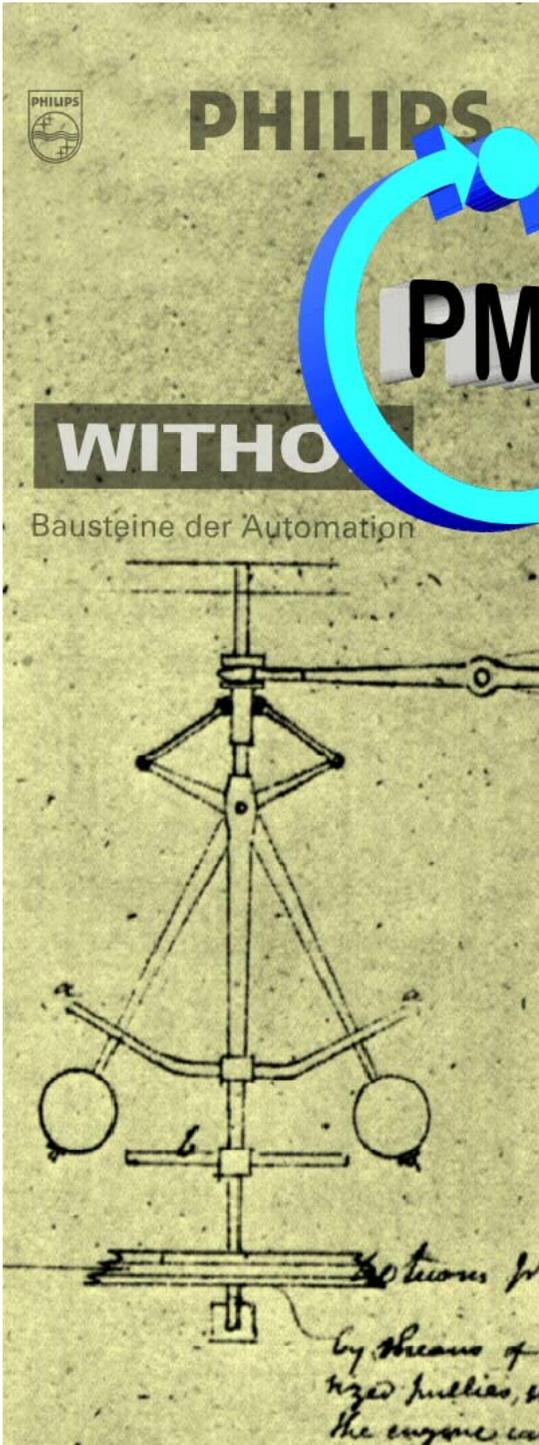


Ideas • Products • Solutions  
for  
Process and Machinery Automation

上海泊码电子有限公司

Shanghai Poma Electronic Co., Ltd.

PMA



## Competence for more than 70 years

- 1929 Georg C.K. Withof
- 1975 Philips  
Industrial Electronics
- 1995 PMA Prozeß- und  
Maschinen-Automation GmbH  
Since 2001 member of the Geveke Industrial Group





## Our Core Competence: Closed Loop Control

### A comprehensive programme of controllers

- Economy Line: Best value for price
- Universal Line: compact and universal
- Advanced Line: Multiloop controller and multi functional devices with fieldbus interfaces as system components

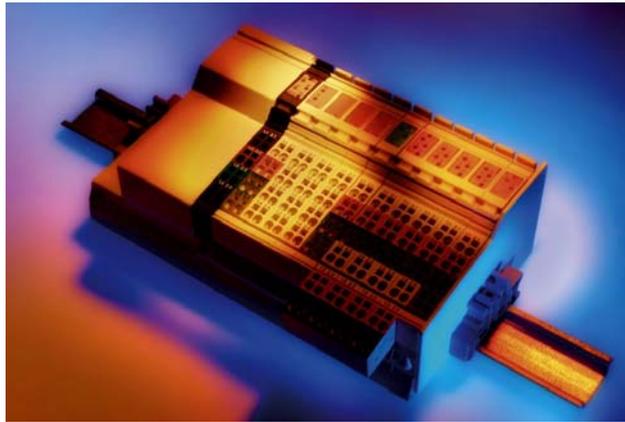
### Automation system P-open

- Decentralized system with closed loop control for automation of complex machineries and plants, e.g. plast-moulding machines, wafer production, etc.

### Brand new:

- **BluePort**® -controller with front interface and **BlueControl**® software extended
- **KS90-1/DP** with **PROFIBUS-DP**
- New controller in the **expert line**: for **laboratory, industrial burner, tempering unit**  
**KS 40-1 lab, KS 40-1 burner, KS 50-1 Tcont**
- **Digital 280-1 BluePort**®  
High resolution digital indicator



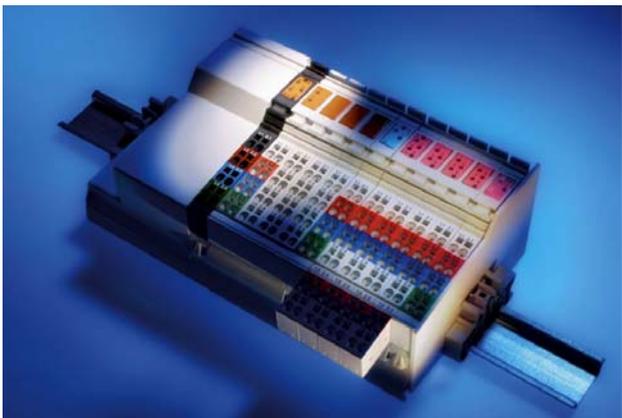
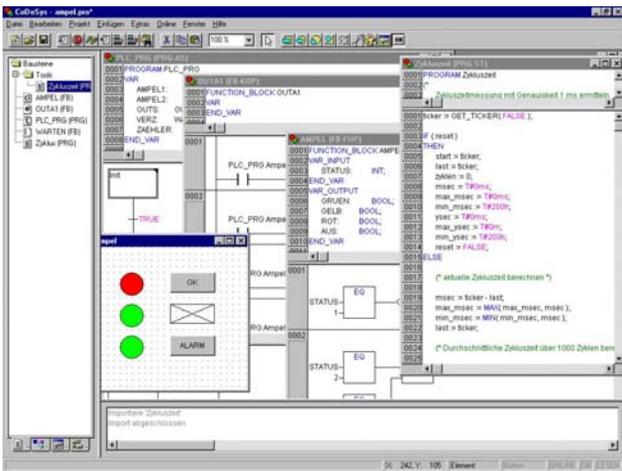


## New modular Multicontroller System

KS vario

- **Highly modular system with 4 to 30 control zones**
  - **Bus coupler - open for all interfaces**  
Optional: Ethernet, PROFIBUS DP, CANopen, DeviceNet, MODBUS
  - **Control unit - full range of functions**  
Scanning rate adjustable per channel
  - **Any number of I/modules - „not a single surplus control zone“**  
in different modularities: 2, 4, 8 or 16 channels
- **Engineering Tool: BlueControl®**
  - with system configurator and system operation / visualization
- **Latest control technology for the most varied applications**
- **Suitable for all IPC/PLC systems**





# One - stop automation



- PC based automation from the Geveke Industrial Group
- Selection out of the portfolio of innovative, world-leading and established partners, e.g.:
  - Advantech - IPC- and network components
  - 3S-Software - Soft PLC CodeSys
  - PhoenixContact - Partner of PMA's vario system
- Professional product integration from PMA
- Combination of the best modules for your individual application
- Competent tested inter-operability
- Secure future for individual solutions



# Control Technology in Total

**Our maxime: Close the loop with PMA.**  
This includes the complete product spectrum  
for an entire control loop

- sensors and transmitters
- indicators, recorders, devices and systems for data monitoring
- actuators
- operation and visualization



# Software: The Key to Efficiency

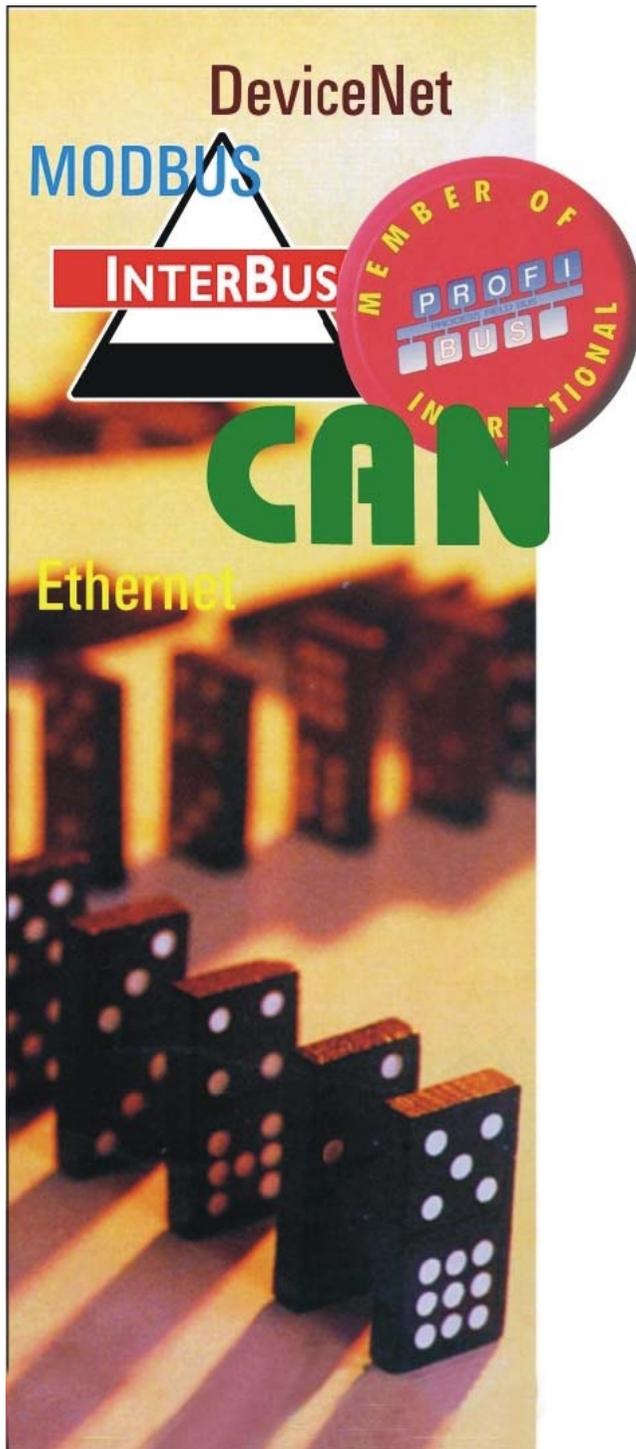
## ET/ SIM KS and BlueControl® : Brands representing modern PMA product strategy

The integrated PMA software tools offer

- comfortable engineering
- detailed documentation
- easy commissioning
- customer-tailored operating philosophies for safe factory running

Download of demo versions, tricks  
and update service available via:  
<http://www.pma-online.de/en/software>



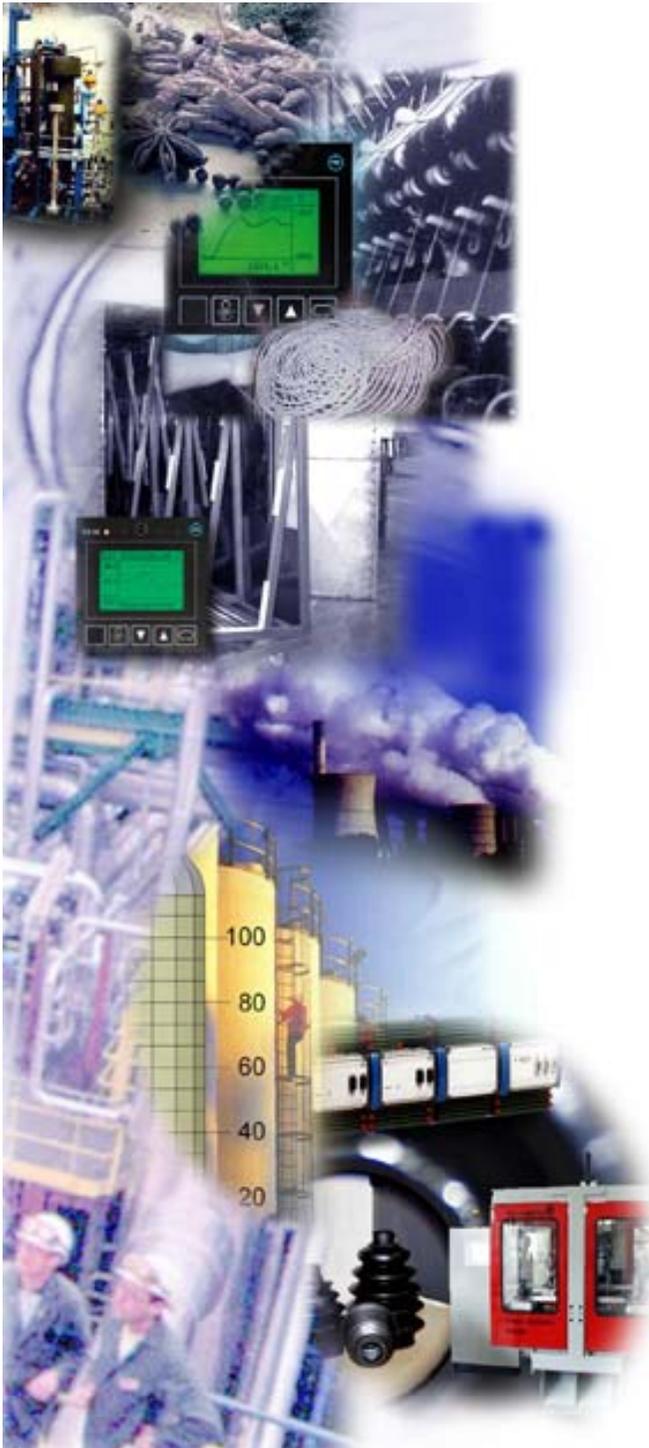


## Thinking in Networks

**PMA's automation strategy means:  
Think in a network, automate decentral**

- PMA controller and multi-function modules can be integrated into nearly all communication structures
- They are autarkic operating components where you can rely upon even when the network fails
- "Remote Automation": Communication via modem, remote diagnosis and maintenance





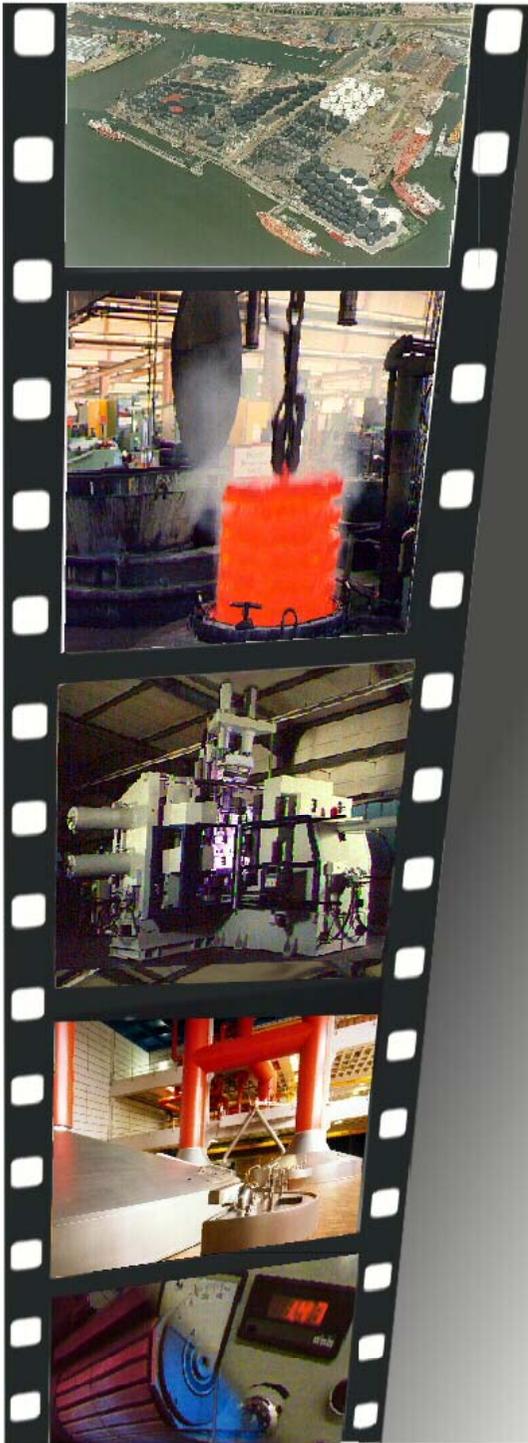
## Products are one Part of PMA

Since many years we are working in the area of automatized solutions for our clients

- complete automation of machines and plants, e.g. plastics processing machines, building machines.
- customer-specific solutions and engineering support for special proceedings, e.g. pasteurisations, carbon-potential, pulse-burner control...
- controllers tailored to customers demands and with customer's label
- optimizing of production processes, cover the quality of thermal proceedings, refurbishing of ovens
- hot runner control (HRC) solutions
- data-monitoring and processing via telecom (VMI = Vendor Managed Inventory / management of cooling chains)
- automation of test racks, e.g. for automotive industries

Many application reports to be found at:  
<http://www.pma-online.de/en/applic>





## At Home in all Parts of Industry

- Automotive manufacturing
- Building automation
- Chemical, petrochemical and pharmaceutical industries
- Environmental technologies
- Food and beverage industries
- Glass, ceramics and cement industries
- Metal generation and processing
- Power generation and -distribution
- Plastics and rubber processing
- Paper and wood processing
- Textile industry
- Science, research and education



## Automotive industry



## Ovens



## Burners and Boilers



## Energy Production and Distribution



# At Home in all Parts of Industry

## Plastics and Rubber Processing



## Packaging Machinery



## Chemical Industry



## Food and Beverage Industry



## General Purpose Industry



## Glass Industry



## Research and Technologies



Wir kriegen´s geregelt  
Close the loop with PMA



# Proud to serve you

## In Germany

with own sales engineers and sales partners

## Worldwide

In many countries we are represented by branch offices, associated companies and sales agents

Your international contact as well as further information for your assistance you will find at:

<http://www.pma-online.de>

## The Portfolio of Geveke Industrial

### ***ENACO IT Infra Solutions***

Design and turnkey delivery of complete environment for IT centres

### ***Industrial Computing and Communication***

Distribution and customisation of industrial PC's, standard computer boards, touch screens, networking components and man/machine interfaces

### ***Measurement and Control***

Development and sales of components and solutions for measuring-, closed loop- and sequence control technology

### ***Power Systems***

Sales and customisation of power quality products such as uninterruptible power supplies etc.

### ***System Components***

Sales of industrial system components

### ***Test & Measurement***

Sales of measurement and test devices

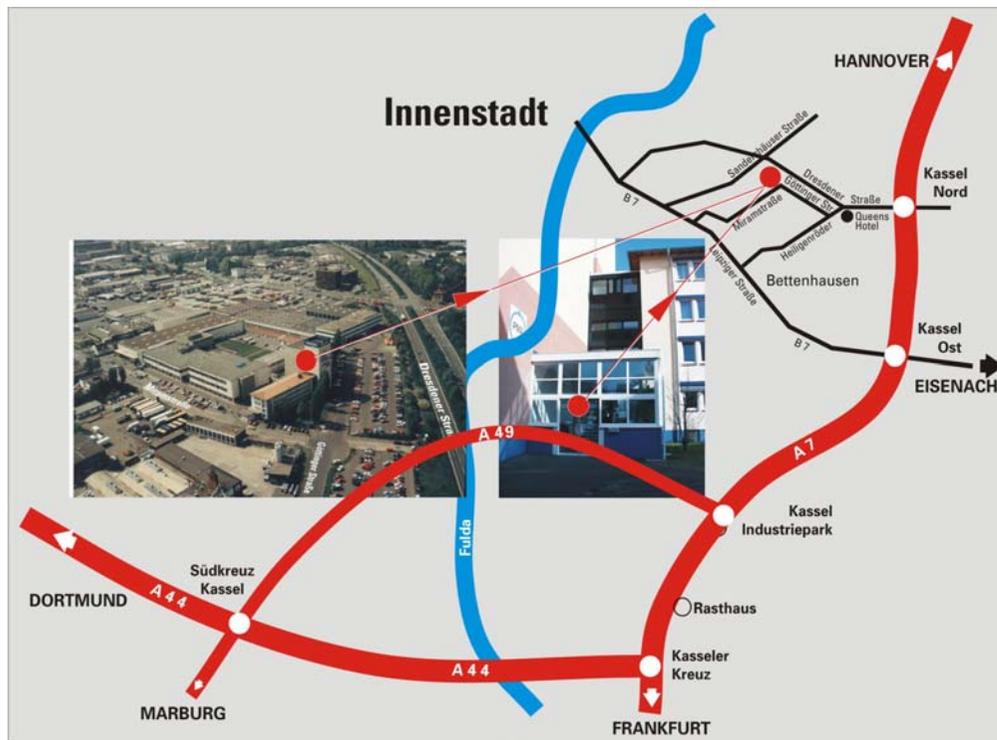




## Close the loop with PMA

- Thanks for your interest !
- Need more information ?

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