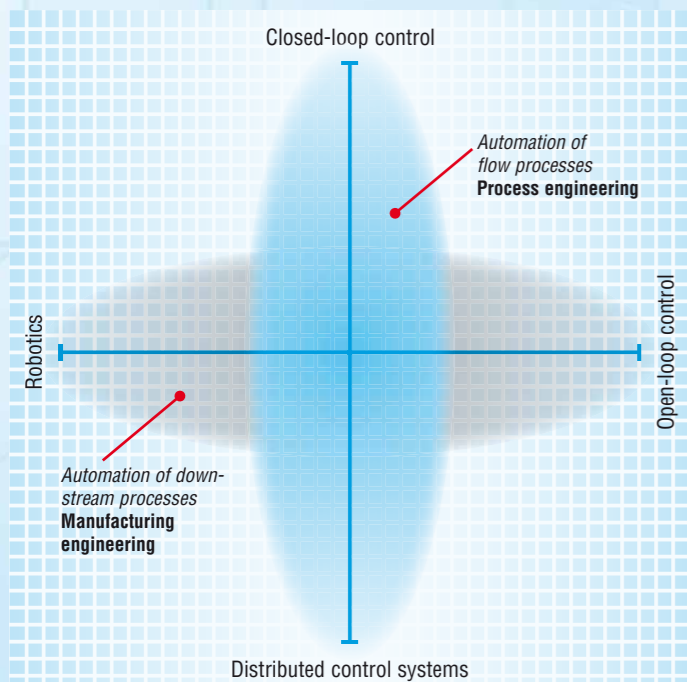


TEACHING AND TRAINING SYSTEMS FOR AUTOMATION

Today, automation plays a key role in every technical field, and as such is always a core element of technical training. However, there is no single unified understanding of the concept of automation – it has many different directions and embodiments.

This is our understanding of automation



Different weighting of automation elements.

Most teaching and training systems deal almost exclusively with applications from the fields of manufacturing engineering and handling systems. We at GUNT see things differently!

GUNT is more strongly committed to the vertical area highlighted in blue, oriented more towards process engineering applications, with the emphasis on closed-loop control and distributed control systems.

Training systems that have been tried and tested in practice, derived from university laboratories and lectures.

Our academic partner in automation:



This co-operation agreement combines basic research and application to create intelligent, tried and tested training systems.

STRUCTURES	
COMPUTERS	
COMPONENTS	
Sensors	closed-loop control
Actuators	open-loop control
MODELS	
PROGRAMMES	
COMMUNICATION	
MAN-MACHINE SYSTEMS	
APPLICATIONS	
CNC	Robotics
AI systems	Recipe control
PROJECTS	

Basic techniques (not dependent on process type)

Basic techniques (dependent on process type)

Elements of automation

Light-coloured: Integration techniques

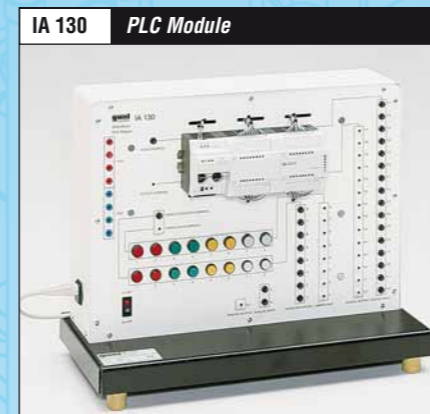
Dark-coloured: Basic techniques

Definition: Prof. Dr.-Ing. Reinhard Langmann

We use this definition to establish a structure and order to the wide diversity of our teaching and training systems.

Although the GUNT teaching and training systems for automation primarily address the basic techniques shown here, the integration techniques are also always incorporated. This link is unbreakable.

Our well ordered and clearly structured accompanying didactic material will help you to integrate the models and training systems effectively into your teaching strategy.



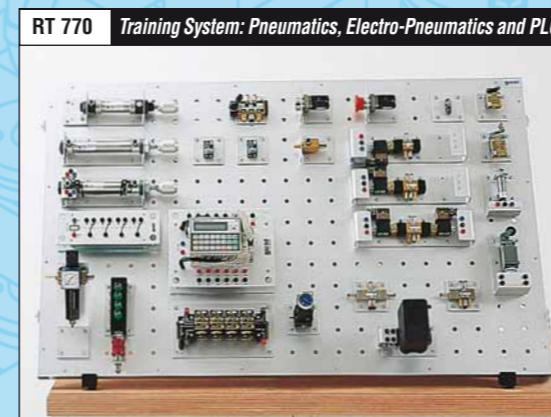
IA 130 PLC Module



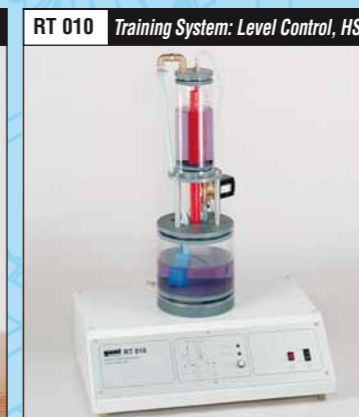
IA 210 PLC Application: Machine Process Control System



RT 350 Trainer for Industrial Controllers



RT 770 Training System: Pneumatics, Electro-Pneumatics and PLC



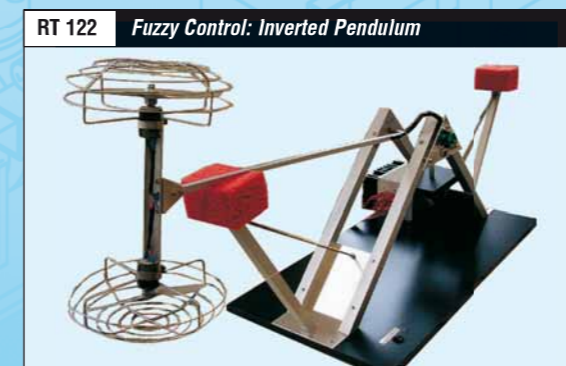
RT 010 Training System: Level Control, HSI



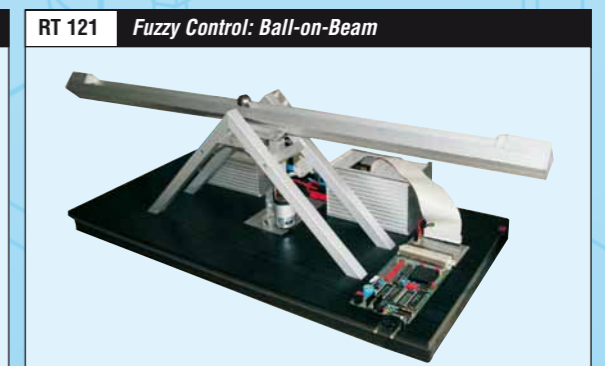
RT 800 PLC Application: Mixing Process



IA 520 Computer Integrated Manufacturing and Handling System



RT 122 Fuzzy Control: Inverted Pendulum



RT 121 Fuzzy Control: Ball-on-Beam