

GHS Operating System - User friendly/Flexible Solutions

Universal operating system from the sprue picker to the 6-axis robots

- User-friendly programming
- Programming assistant
- Clearly arranged menu structure
- Flexible program modules
- Networking capabilities



EasyTeach (Pendant)

Operation and setting-up

- Clearly structured and functional
- Intuitive operation
- Display backlit
- A handy style makes practically operation possible
- Clearly structured and functionally arranged menu structure and commands are in clear-text
- Up from EasyControl 3-layered permissive key
- Display language to be selected anytime according to the requirements
- Positions with teach-in possibility for a quick adaptation of the program
- Inserting, deletion and processing of program lines



EasySoft (PC Software)

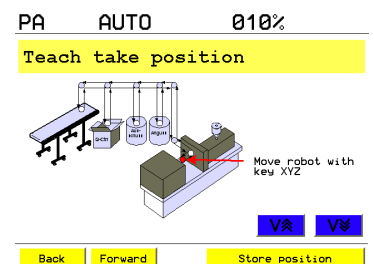
Offline programming

- Windows-based software
- Efficient command structure for the rubber industry
- Program download/upload capabilities to the control module through PC cable
- Automatic updating of the command record
- Reading of log files from the control
- Syntax Check und Syntax-Coloring
- Designation of variables, inputs and outputs, gripper and vacuum circuits, pneumatic cylinders etc., adapted to the particular requirements of the installation
- Commands are arranged in a clearly defined expanding tree structure
- On-line help for all orders
- Demoversion available at www.ghsautomation.com

ComfortTouch

Operation and programming

- Using and programming graphically
- Efficient TouchScreen operation
- Program tracking on a large-size screen
- System programs and applications on Compact Flash Card





MiniControl

Compact control for all the pneumatic and servo-motor based robots



EasyControl

Basic control for servo-motor based linear robots



SystemControl

Upgrade-Kit for Ethernet connection



ComfortControl

HighEnd Upgrade-Kit with touch screen operation

Process time of program every 10 ms	2	14	14	40
EasyTeach / EasySoft / Comfort Touch	yes / option / no	yes / option / no	yes / option / option	option / option / yes
Free program lines	15'000	33'000	33'000	>100'000
PLC Parallel programs	1/3	1/19	1/19	1/19
User variables	50	100	100	100
CAN-bus / Number of I/O per bus module	3 / 32 / 32	9 / 32 / 32	9 / 32 / 32	10 / 32 / 32
Number of motors / servo drives	3 / 4Q-EC	6 / Acopos	6 / Acopos	6 / Acopos
Networking with RS485 / Ethernet	Option / no	option / no	option / yes	option / yes

Technical standard specifications

- Extensive program examples
- 100 application programs
- 4 different password levels
- Euromap 67
- Teach stops (for an even easier updating of the programs)
- Various sub-programs (maximum 30) divided into:
 - Parallel programs for a clear detachment of individual sequences
 - Sub-programs for setting up structures
 - PLC program; independently and continuously operative for monitoring
- "Drive until torque or until input" on all the axes (e. g. torque sensing or input sensing capabilities)
- "Server Drive Off" in order to push back the handler with the ejectors
- Mould change key (Positions robot to mould change zone)
- Reversed program sequence (Reset)
- Dynamic AC servo motors with energy saving feature
- Connection possibility for 2 manual control units
- Blockrooms

Options

- Second Euromap Interface
- Networking capabilities by means of Ethernet (optional)
 - Data interchange between the controls
 - Central development of the program with EasySoft
 - Central fault administration with EasyTeach
- Various interfaces:
 - Euromap 12
 - Thermoforming
 - Six-axes robot
- Optional data safeguarding by means of floppy disk drive (internal/external) 3 1/2 inch, 1,4 MB, EasySoft PC software
- Modem diagnos

All indications and images are without guarantee and can change at any time.

Headquarter

GHS Automation AG
 Steinhaus, CH-3150 Schwarzenburg
 Phone +41 (0)31 734 31 11
 Telefax +41 (0)31 734 31 00
 E-Mail: info@ghsautomation.com