

Controlled positioning with standard drives

Drive technology



# micro automation SET 22

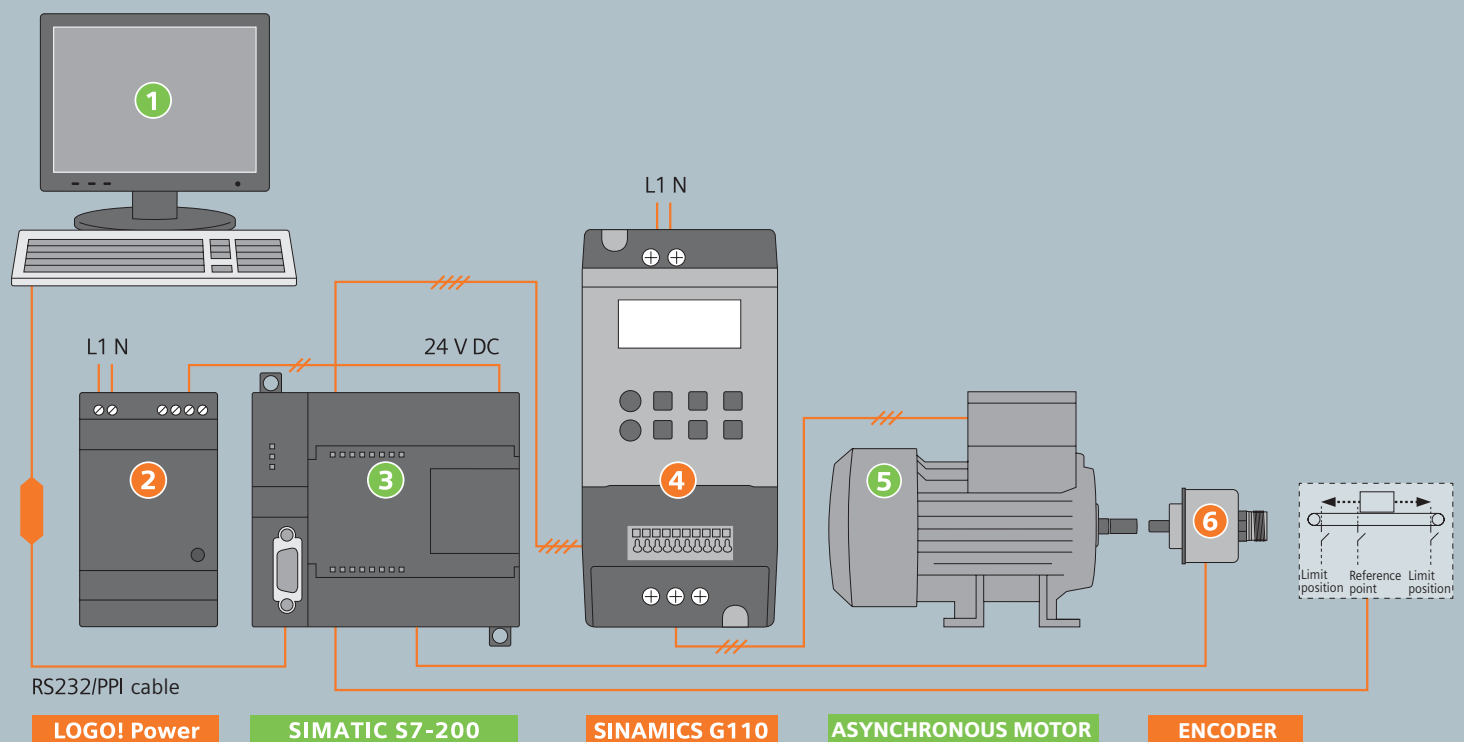
**SIEMENS**



# Perform position control drive tasks using SIMATIC S7-200 and the SINAMICS G110 frequency inverters

The Micro Automation Sets – functional combinations from the Siemens automation portfolio. For the fast and cost-effective implementation of automation tasks in small automation – easy, cost-effective and tested.

- Ideal for simple and economic positioning tasks
- Controlled positioning possible with linear and rotary axis
- Fast and simple commissioning with the digital speed control specified in the SINAMICS G110 for rapid traverse and creep feed mode
- Reliable operation due to the small number of clearly traceable parameters
- Actual position value recording directly in the CPU without additional modules
- Only a few steps to positioning – STEP7 Micro/WIN guides you through all phases of configuration
- Parameterization of the SINAMICS G110 possible via the basic operator panel (BOP) or the STARTER commissioning tool





## Applications

This Micro Automation Set is particularly suitable for the low-cost and user-friendly position control, making it ideal for the following applications:

- Gate controls
- Feeders
- Material transport
- Turntables
- Advertising hoardings
- Conveyors, conveyor systems

- 1 WinCC flexible PC Runtime**  
Software for operator control and monitoring of positioning
- 2 LOGO! Power (24 V/1.3 A), primary switched-mode power supply**  
Power supply for S7-221 CPU and the encoder
- 3 SIMATIC S7-200 (CPU 221)**  
Micro-PLC for control of the frequency inverter and evaluation of the current position
- 4 SINAMICS G110 frequency inverter**  
Control of the asynchronous motor in rapid traverse and creep feed mode
- 5 Low-voltage asynchronous motor**  
Conversion of electrical energy to mechanical energy
- 6 Incremental encoder**  
Recording the movement of the system

You can find the technical data and configuration support on the Internet: for example basic start-up software examples and detailed Micro Application Examples with programs and parameterizations.

**More information under: [www.siemens.com/microset](http://www.siemens.com/microset)**

# MICRO AUTOMATION SET – Your planning tool

Drive your planning into the right direction. You can find all relevant components for the set in this overview and of course also on the Internet. Maybe you need variants to meet the specific requirements of your application? The corresponding ordering information for variants of components are also available at [www.siemens.com/microset](http://www.siemens.com/microset)

Your MICRO AUTOMATION SET – everything you need to build it		
	Product	Order Number
1	WinCC flexible PC Runtime (Software)	6AV6 613-1BA01-1CA0
2	LOGO! Power (24 V/1.3 A), primary switched-mode power supply	6EP1 3 31-1SH02
3	SIMATIC S7-200 (CPU 221)	6ES7 2 11-0AA23-0XB0
4	SINAMICS G110, frequency inverter	6SL3 2 11-0AB11-2BA1
5	Low-voltage asynchronous motor	1LA7 0 60-4AB10
6	Incremental encoder	6FX2 0 01-4SA50
Accessories		
	WinCC flexible Advanced	6AV6 613-0AA01-1CA5
	STEP7 Micro/WIN V4.0	6ES7 810-2CC03-0YX0
	RS232/PPI cable	6ES7 901-3CB30-0XA0
	Basic Operator Panel (BOP) for SINAMICS G110	6SL3 255-0AA00-4BA0
Your MICRO AUTOMATION SET contact		
<p>You already have a personal local Siemens contact? He/she will also help you with your questions about the MICRO AUTOMATION SET.</p> <p>You do not have a personal local Siemens contact yet? Please call the adjoining helpline number to get your regional contact.</p> <p>Technical information about each product is available from our technical support.</p>		<p><b>Helpline: +49 180 5050 111</b></p> <p><b>Technical Support: +49 180 5050 222</b></p>
Your MICRO AUTOMATION SET on the Internet		
<p>You can find contacts, all ordering information indicated in this document as well as ordering information for variants, more information and examples at:</p>		<p><b><a href="http://www.siemens.com/microset">www.siemens.com/microset</a></b>  <b><a href="mailto:microautomation.aud@siemens.com">microautomation.aud@siemens.com</a></b></p>

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An obligation to provide the respective characteristics shall only exist if expressly agreed in the terms of contract.

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