

SIMATIC Technology – Motion Control

Starter Guide: Kinematics

SIMATIC Technology – Motion Control

General Information



Internet

- www.siemens.com/simatic-technology ([Link](#))



Siemens Industry
Online Support

- www.siemens.com/onlinesupport/simatic-technology ([Link](#))
- TIA Portal Tutorial Center ([Link](#))



Customer Forum

- SIMATIC Technology  ([Link](#))
- SIMATIC Technology  ([Link](#))



YouTube
SIEMENS Channel

- Automation - SIMATIC Technology ([Link](#))
- Automation Tasks in 10 minutes or less ([Link](#))
- Industry: Automation – TIA Portal – Mister Automation ([Link](#))



Reference Center

- SIMATIC Technology Referenzen ([Link](#))

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Option 1/2: SIMATIC & SINAMICS Starter-Kits

Basic

SIEMENS
Ingenuity for life

SIMATIC Starter-Kits

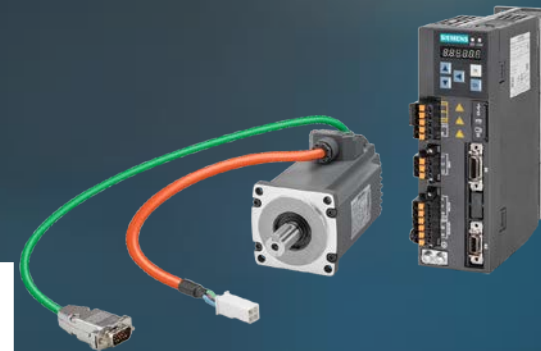


- SIMATIC S7-1500 Compact-CPU
- Art.-Nr.: 6ES7511-1CK03-4YB5

- SIMATIC S7-1500 Technology-CPU
- Art.-Nr.: 6ES7511-1TK02-4YB5



SINAMICS Starter-Kits



- SINAMICS V90-PN
- Art.-Nr.: 6SL3200-0AE40-0AA0

- SINAMICS S210
- Art.-Nr.: 6SL3200-0AE61-0AA0



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Option 2/2: SIMATIC Starter-Kits & SINAMICS Demo-Kits

Comfort

SIEMENS
Ingenuity for life

SIMATIC Starter-Kits



- SIMATIC S7-1500 Compact-CPU
- Art.-Nr.: 6ES7511-1CK03-4YB5



- SIMATIC S7-1500 Technology-CPU
- Art.-Nr.: 6ES7511-1TK02-4YB5



SINAMICS Demo-Kits



- SINAMICS V90-PN ¹⁾
- Art.-Nr.: 6AG1067-1AA32-0AA0



- SINAMICS S210 ¹⁾
- Art.-Nr.: 6AG1067-1AA33-0AA0

- SINAMICS S120 ¹⁾
- Art.-Nr.: 6ZB2480-0CT00



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Kinematics with SIMATIC S7-1500/1500 T-CPU (1/2)



Manual

- SIMATIC S7-1500 S7-1500 Motion Control V4.0 in TIA Portal V15 (Entry-ID: [109749262](#))
- SIMATIC S7-1500 S7-1500T Motion Control V4.0 in TIA Portal V15 (Entry-ID: [109749263](#))
- SIMATIC S7-1500 S7-1500T Kinematics Functions V4.0 in TIA Portal V15 (Entry-ID: [109749264](#))
- SIMATIC Safe Kinematics (Entry-ID: [109762959](#))



FAQ

- How do you control a KUKA robot with a SIMATIC controller? (Entry-ID: [109475194](#))
- How do you control a DENSO robot with a SIMATIC controller? (Entry-ID: [109749978](#))
- How do you control a Stäubli robot with a SIMATIC controller? (Entry-ID: [109749979](#))
- Which components can you use for SIMATIC Safe Kinematics? (Entry-ID: [109759466](#))

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Kinematics with SIMATIC S7-1500/1500 T-CPU (2/2)



Application example

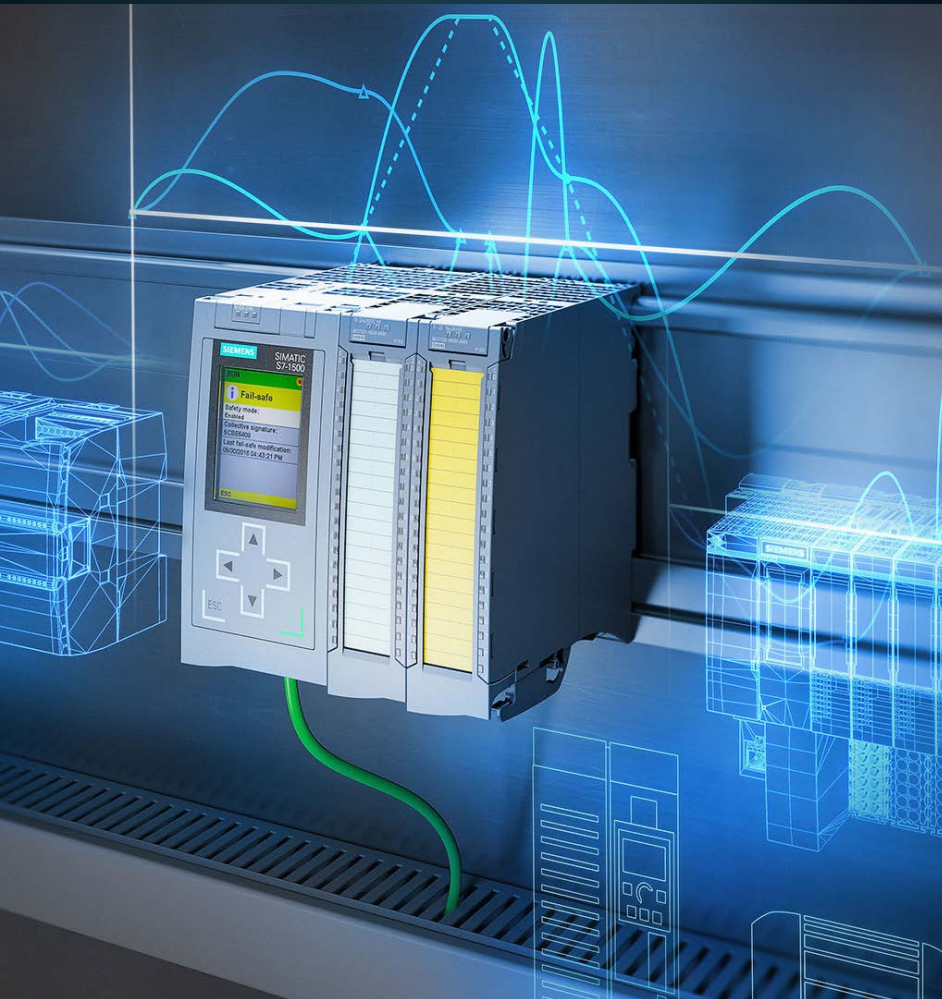
- Controlling a KUKA Industrial Robot Using a SIMATIC S7-1500 (Entry-ID: [109482123](#))
- Handling with SIMATIC S7-1500 T-CPU (Entry-ID: [109757198](#))
- SIMATIC S7-1500T Kinematics Control (Entry-ID: [109755891](#))
- SIMATIC S7-1500T Kinematics Manual Control (Entry-ID: [109755892](#))
- SIMATIC S7-1500T Kinematics Transformation (Entry-ID: [109758302](#))
- SIMATIC S7-1500T Kinematics Computed Torque Control (Entry-ID: [109755899](#))
- SIMATIC S7-1500T - Virtual commissioning for kinematics in NX MCD with Software in the Loop (Entry-ID: [109760078](#))
- SIMATIC Safe Kinematics – Getting Started (Entry-ID: [109762735](#))



YouTube SIEMENS Channel

- Mister Automation Ep2: Tips & tricks TIA Portal - S7-1500T Kinematics ([Link](#))
- Integrated engineering of kinematics ([Link](#))

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