SIMATIC Technology – Motion Control

General Information

- www.siemens.com/simatic-technology (Link)
- www.siemens.com/onlinesupport/simatic-technology (Link)
- TIA Portal Tutorial Center (Link)
- SIMATIC Technology (Link)
- Automation - SIMATIC Technology (Link)
- Automation Tasks in 10 minutes or less (Link)
- Industry: Automation – TIA Portal – Mister Automation (Link)
- SIMATIC Technology Referenzen (Link)
SIMATIC Technology – Motion Control
Option 1/2: SIMATIC & SINAMICS Starter-Kits

**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.: 6SL3200-0AE40-00A0
- SINAMICS S210
  - Art.-Nr.: 6SL3200-0AE61-0AA0

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

**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

¹) Prepared for SIMATIC S7-1500(T). SIMATIC Controller not part of delivery.

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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)
SIMATIC Technology – Motion Control
Kinematics with SIMATIC S7-1500/1500 T-CPU (2/2)

- 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)

Application example

YouTube
SIEMENS Channel

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