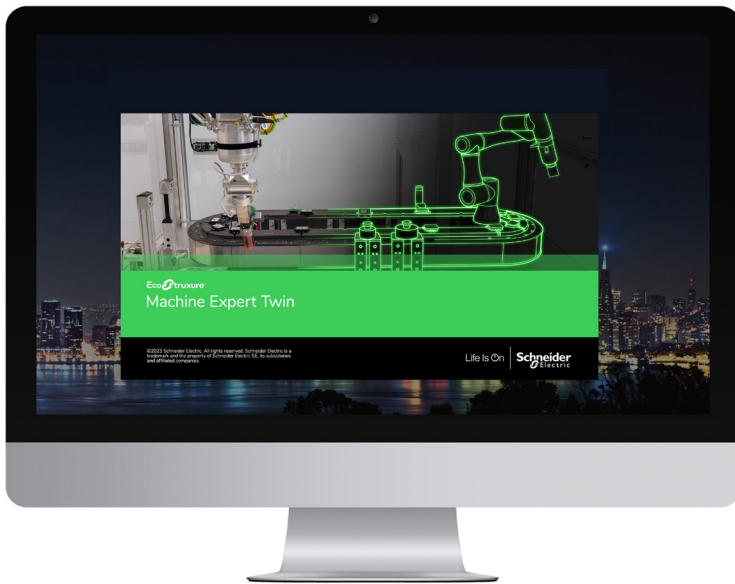




EcoStruxure™ Machine Expert Twin

A scalable digital twin software suite for
your entire machine lifecycle

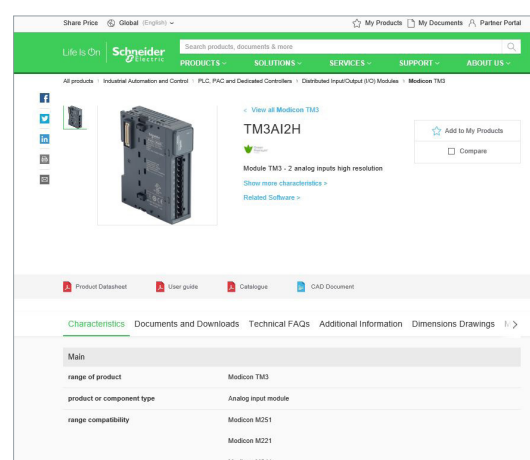
Quick access to product information

Get technical information about your product

References

Modicon TM3
I/O expansion modules for Modicon controllers
Analog I/O modules

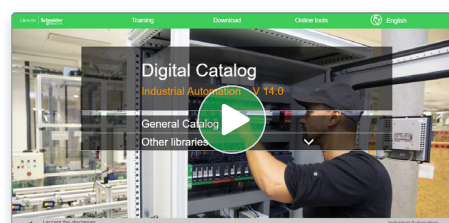
References	Modicon TM3 analog input modules	Input range	Resolution	Input terminal block (T)	Reference	Weight
2 voltage/current inputs	±10 VDC 0...10 VDC 0...20 mA, 4...20 mA	10 000 000 10 000 000 10 000 000	16 bit 16 bit 16 bit	16 pin 16 pin 16 pin	TM3AI2H TM3AI2H TM3AI2H	0.150 kg 0.150 kg 0.150 kg
4 voltage/current inputs	±10 VDC 0...10 VDC 0...20 mA, 4...20 mA	12 000 000 12 000 000 12 000 000	16 bit 16 bit 16 bit	16 pin 16 pin 16 pin	TM3AI4H TM3AI4H TM3AI4H	0.200 kg 0.200 kg 0.200 kg
4 voltage/current or temperature inputs (T)	Thermocouples (T) (J, K, R, S, T, E, C) Temperature inputs (RTD, PT100, PT500)	10 000 000 10 000 000 10 000 000	16 bit 16 bit 16 bit	16 pin 16 pin 16 pin	TM3AI4T TM3AI4T TM3AI4T	0.200 kg 0.200 kg 0.200 kg
4 differential temperature inputs	Thermocouples (T) (J, K, R, S, T, E, C) Temperature inputs (RTD, PT100, PT500)	10 000 000 10 000 000 10 000 000	16 bit 16 bit 16 bit	16 pin 16 pin 16 pin	TM3AI4T TM3AI4T TM3AI4T	0.200 kg 0.200 kg 0.200 kg
4 differential temperature inputs	Thermocouples (T) (J, K, R, S, T, E, C) Temperature inputs (RTD, PT100, PT500)	10 000 000 10 000 000 10 000 000	16 bit 16 bit 16 bit	16 pin 16 pin 16 pin	TM3AI4T TM3AI4T TM3AI4T	0.200 kg 0.200 kg 0.200 kg



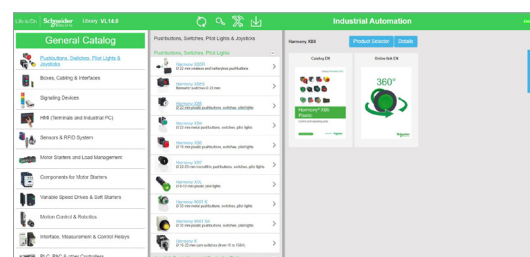
Each commercial reference presented in a catalog contains a hyperlink. Click on it to obtain the technical information of the product:

- Characteristics, Dimensions and drawings, Mounting and clearance, Connections and schemas, Performance curves
- Product image, Instruction sheet, User guide, Product certifications, End of life manual

Find your catalog



- > With just 3 clicks, you can access the Industrial Automation and Control catalogs, in both English and French
- > Consult digital automation catalogs at [Digi-Cat Online](#)

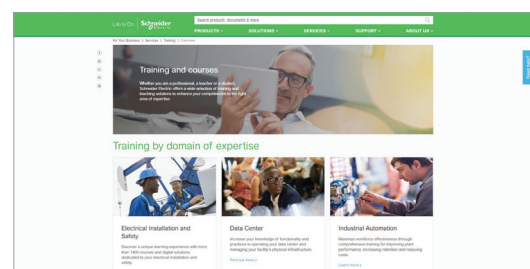


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- Embedded product selectors, 360° pictures
- Optimized search by commercial references

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- > Locate the training center with the selector tool, using this [link](#)



Life Is On

Schneider
Electric

General content

EcoStruxure Machine Expert Twin

A scalable digital twin software suite for your entire machine lifecycle

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To be competitive in today's digital era, machine builders must be innovative. Smart machines, those that are better connected, more flexible, more efficient, and safe, are enabling machine builders to innovate in ways never before possible.

EcoStruxure, Schneider Electric's open, IoT-enabled architecture and platform, offers powerful solutions for the digital era. As part of this, EcoStruxure Machine brings powerful opportunities for machine builders and OEMs, empowering them to offer smart machines and compete in the new, digital era.

EcoStruxure Machine brings together key technologies for product connectivity and edge control on premises, and cloud technologies to provide analytics and digital services. EcoStruxure Machine helps you bring more innovation and added value to your customers throughout the entire machine life cycle.

Innovation at Every Level for Machines is full systems across three layers:

- Connected products
Our connected products for measuring, actuating, device level monitoring, and control adhere to open standards to provide unmatched integration opportunities and flexibility
- Edge Control
We are IIoT-ready with a proven set of tested and validated reference architectures that enable the design of end-to-end open, connected, and interoperable systems based on industry standards. Ethernet and OPC UA facilitates IT/OT convergence meaning machine builders reap benefits from web interfaces and cloud.

- Apps, Analytics & Services
Seamless integration of machines to the IT layer allows the collection and aggregation of data ready for analysis – for machine builders and end users alike this means increased uptime and the ability to find information faster for more efficient operations and maintenance.

These levels are completely integrated from shop floor to top floor. And we have cloud offers and end-to-end cybersecurity wrapped around.

EcoStruxure Machine makes it easier for OEMs/ machine builders to offer their customers smarter machines. The advent of smart machines is driven by the changing needs of end users:

- Evolving workforce
- Reducing costs
- Dynamic markets
- Shorter life cycles
- Prioritizing functional safety and cybersecurity

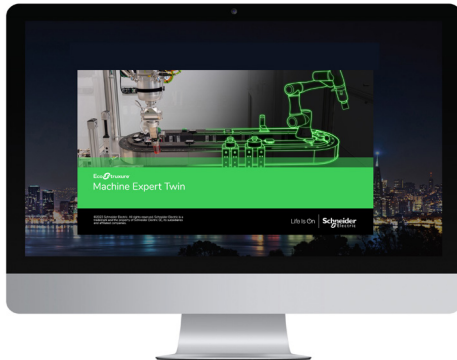
EcoStruxure Machine provides one solution for the whole machine life cycle:

- With Smart Design & Engineering the time to market is reduced by up to 30% using our automated engineering and the simulation capabilities
- During Commissioning & Operation of the machine, resources such as energy, material and loss can be improved, and with seamless integration to the IT world efficiency can be improved by up to 40%
- Smart Maintenance & Services reduces the time for corrective actions up to 50%

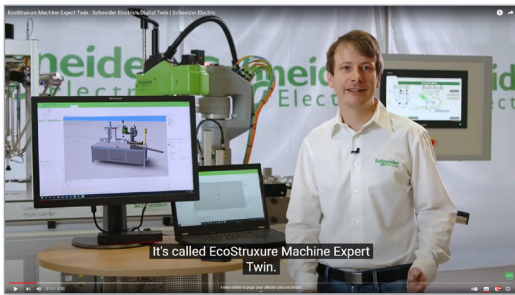


EcoStruxure Machine Expert Twin

A scalable digital twin software suite for your entire machine lifecycle

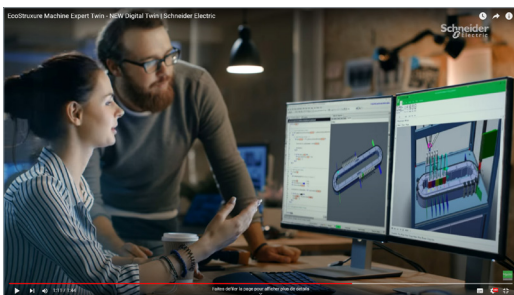


EcoStruxure Machine Expert Twin



[EcoStruxure Machine Expert Twin - General introduction](#)

Click to open video (4 min 30s)



[EcoStruxure Machine Expert Twin - Promotional video](#)

Click to open video (1 min 44s)

EcoStruxure Machine Expert Twin is a software suite to **create digital models** of real machines to do the **virtual design, virtual engineering, and virtual commissioning** for agile development before building the physical machine – Thus **enabling parallel engineering** of mechanical, electrical and controls work assignments.

- > Machine Expert Twin offers an intuitive environment, with drag and drop of mechatronic components, Virtual Reality / Augmented Reality interfaces and ready to use catalog objects. The open programming environment in C# allowing add on and extensions with a multitude of advanced models and seamless integration into EcoStruxure Machine Expert (1) as well as adaptation to the customer data sources, workflow and processes.

EcoStruxure Machine Expert Twin

A scalable digital twin software suite for your entire machine lifecycle



SALES, CONCEPT & DESIGN

- > Sales & Marketing
- > Concept design
- > Prototyping



MANUFACTURING

- > Mechanical, Electrical & controls engineering
- > Commissioning



OPERATION

- > Service
- > Operator training
- > Improve & upgrade

Transform your sales and design ideas, using Digital Twin Models

Save 20-50% time to market and save 10-20% on quality costs

- > Create convincing sales animations
- > Validate and improve design ideas
- > Reduce risk and quality costs
- > Gain competitive advantages due to reduced time to market

Revolutionize your test strategy, using virtual commissioning

Save up to 60% Commissioning time and increase software quality

- > Reduce the onsite commission time to the absolute minimum
- > Perform system integration test fully virtual
- > Increase software quality with virtual factory acceptance tests
- > Speed up engineering and commissioning

Enable new revenue streams over complete machine lifetime

Increase your sale and profit from new business opportunities

- > Offer after-sale services, based on Digital Twin technology, such as the Remote Viewer
- > Offer operator training upfront virtually
- > Validate and improve changes virtually with no machine downtime
- > Reduce downtime of the machine with remote operator guidance and joint trouble-shooting

(1) Consult [EcoStruxure Machine Expert digital](#) on our website.



Connect to other users and experts

Schneider Electric support forum for Motion Control solutions, including Lexium MC12 and Cobot, Modicon PLC, PacDrive, EcoStruxure Machine, ... from design, implementation to troubleshooting and more.

[Access the community forum](#)

Motion Control Solutions – Community Forum

A Schneider Electric platform dedicated to exploring advancements and discussions in motion control solution technology which includes Lexium MC12 and Cobot, Modicon PLC, PacDrive, and EcoStruxure Machine.

This forum serves as a valuable resource for industry professionals, enthusiasts, and researchers, providing insights into innovative applications, trends, and best practices within the motion control field. Participants can share knowledge, network with peers, and stay updated on the latest developments in this dynamic area of technology.

EcoStruxure Machine Expert Twin

A scalable digital twin software suite for your entire machine lifecycle

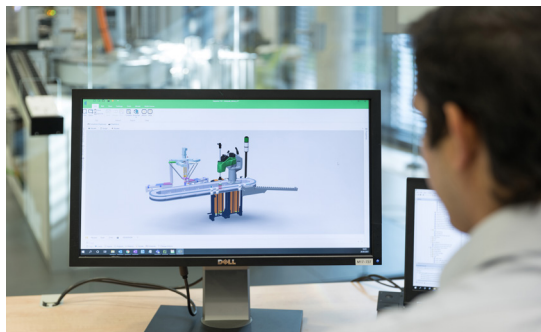
Design and engineering



Visualisation integrated in Machine Expert

- > Smart design
 - Efficient mechanical, electrical and software design of Schneider Electric robots and multi carrier systems

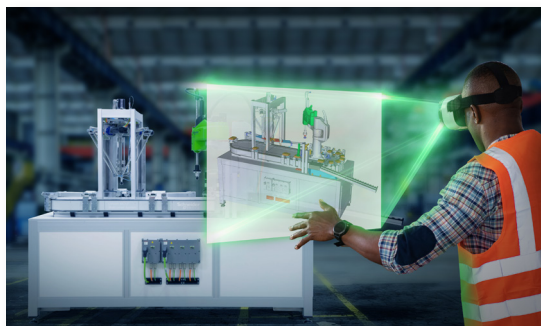
Commissioning and operation



Machine Expert Twin Builder / Machine Expert Twin Developer

- > Smart engineering
 - Import 3D models of the machine and emulate them
- > Smart commissioning
 - Orchestrate several modules to a complete machine and do the virtual commissioning
- > Smart operation
 - Simulate modifications of operations, before bringing them life to the machine

Maintenance and services

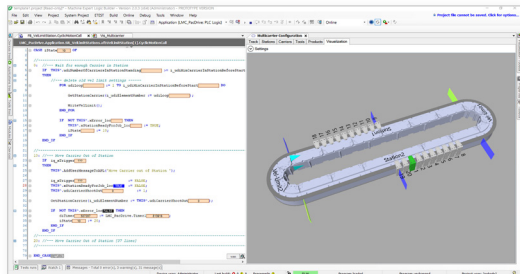


Machine Expert Twin RemoteViewer

- > Smart maintenance
 - Digital twin provides real time data on-premise, machine information and video stream to enable remote expertise
- > Smart services
 - Training remotely by leveraging digital twin
 - Historical digital twin Information
 - Revenue channel for machine lifetime

EcoStruxure Machine Expert Twin

A scalable digital twin software suite for your entire machine lifecycle



Machine Expert **Visu**



Machine Expert Twin **Builder**

Machine Expert Twin licenses

EcoStruxure Machine Expert Visu

- Emulation and 3D visualization integrated in EcoStruxure Machine Expert.
- Enables test of the PLC application code of single mechatronic object like Lexium MC12 multi carrier or Lexium P4 delta robot.
- 3D simulation model automatically generated from the PLC (IEC) programming environment and integrated configurator.
- Easy to use for controls testing, used by application engineers.
- Reuse autogenerated 3D model and components in the Machine Expert Twin suite: Enables controls testing an virtual commissioning of the entire machine.

Benefits

- Enables virtual tests directly from IEC (PLC) programming environment
- Controls testing without simulation experts
- Reuse autogenerated 3D model in Machine Expert Twin-Suite for enhanced use and system tests

Important Features

- Seamlessly embedded in Machine Expert IEC programming environment
- Autogenerate predefined Schneider Electric mechatronic models, e.g. Lexium MC12 multi carrier

EcoStruxure Machine Expert Twin Builder

- The **Builder** license for Machine Expert Twin suite: Enables emulation and controls testing of a machine with PLC controller in the loop.
- Create a 3D digital twin using drag and drop from predefined catalogs and ready to use mechatronic components.
- Import your machine design from CAD and keep track with newer designs with the CAD update feature.
- Import and reuse customized mechatronic components, created from the Machine Expert Twin **Developer**.
- Emulate the complete machine with PLC(s) in the loop. Combine both Schneider Electric and 3rd party controls and automation systems.
- Stream 3D digital twin model to **RemoteViewer** (users need the **RemoteViewer** add-on license to use this feature).
- Create and manipulate loads in the scene with full control through PLC programming.
- Test your PLC code in a risk-free virtual environment without any physical interference.
- Log data in a separate file and replay the scene at any time.
- Advanced physics functionality for accurate simulation of product dynamics.

Benefits

- “Proof of concept” before construction
- Controls testing before deployment
- Virtual commissioning by exposing the 3D model to different scenarios
- IT / OT (1) performance and integration test
- Automatic generation of the Digital Twin
- Full control of Digital Twin behaviour through PLC programming

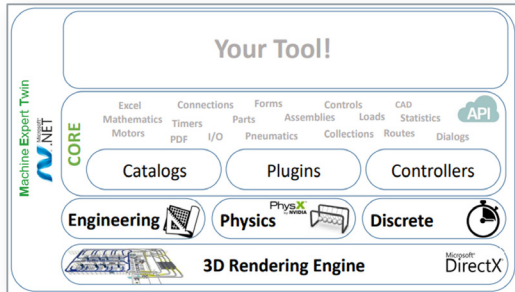
Important Features

- Simple “drag & drop” components
- Seamless integration with a Digital Twin Communication Library to Machine Expert
- Scalable solution from standalone machines to complete lines

(1) IT / OT: Information Technology / Operation Technology.

EcoStruxure Machine Expert Twin

A scalable digital twin software suite for your entire machine lifecycle



Machine Expert Twin **Developer**



C # programming language



Machine Expert Twin **RemoteViewer**

Machine Expert Twin licenses

EcoStruxure Machine Expert Twin Developer

- The **Developer** license for Machine Expert Twin suite: Enables access to the Builder features set and underlying .net framework.
- Open software suite to develop customized – simulation & emulation components and catalogs.
- Customized developments handed over and reused as “drag & drop” components in the **Builder**.
- Develop customized software plugins, communication interfaces etc. and adapt to the customer's workflow, processes, and data sources.
- Powerful API's for seamless interface to the customers existing tool-chain.

Benefits

- Microsoft.NET /C# software framework
- Customizable from Visual Studio
- Adapts to the customer workflow and data sources
- Supports both emulation and simulation

Important Features

- Open architecture for customization
- Develop 3D digital components & catalogs
- Develop customized tools and plugins

EcoStruxure Machine Expert Twin RemoteViewer

- The **RemoteViewer** license for EcoStruxure Machine Expert Twin provides on premise execution of a digital twin scene, parallel to the real machine.
- Use the **RemoteViewer** to connect securely to a running instance of Machine Expert Twin **RemoteViewer** and visualize the machine. The Web API supports different external clients, such as PCs, mobile devices, tablets, or even AR/VR technology.
- 3D digital twin model enables better condition for remote maintenance, remote assistance and remote support.
- Enables new potentials of service business by embedding it in Machine Advisor Edge.

Benefits

- Access your digital twin from anywhere at any time
- Create new business models for service
- Enables new possibilities for remote maintenance / expertise
- Get detailed insight in crucial areas and bottlenecks

Important Features

- Real time 3D model of the machine
- Works in harmony with the running machines on-premise
- Monitors and taps data without interfering with running operation

EcoStruxure Machine Expert Twin

A scalable digital twin software suite for your entire machine lifecycle



	Visu	Builder	Developer	RemoteViewer
EcoStruxure Machine Expert Twin Suite – Overview				
Lisense type	EcoStruxure Machine Expert Visu	EcoStruxure Machine Expert Twin Builder	EcoStruxure Machine Expert Twin Developer	EcoStruxure Machine Expert Twin RemoteViewer
	Integrated console mode	Windows standalone application		
Overview	3D emulation and controls testing, integrated in EcoStruxure Machine Expert.	Create a 3D digital twin of your complete machine, using drag & drop of “Ready to use” objects.	Access.net/C# framework and develop customized components, catalogs, plugins, tools, interfaces for every need.	Run digital twin models on premise with the operative machine and connect from anywhere at anytime, fully cyber secure, to transmit the 3D model-based visualization of the machine state.
Description	Visu is a “headless” version of Machine Expert Twin software, integrated into Machine Expert IEC development tool. Digital twin models are automatically created inside Machine Expert, thus allowing to visualize 3D models for testing purposes.	Builder is a license type for Machine Expert Twin, allowing to build digital twin models from pre-developed mechatronic components.	Developer is a license type for machine Expert Twin, with same properties as the Builder license. Furthermore Developer license allows to customize the entire suite, developing plugins, catalogs, etc.	RemoteViewer provides a web-based interface to connect from remote with a device like a tablet or smartphone. This enables visualizing the machine at any place to enable remote training and maintenance support.
Controllers, Restrictions and limitations	Single controller and visualizing a single object (one Lexium MC12 loop).	Unlimited controllers and unlimited objects (Limitation in accordance to license plan).	Unlimited controllers and unlimited objects (Limitation in accordance to license plan).	Unlimited controllers and unlimited objects (Limitation in accordance to license plan)
Catalogs	Schneider Electric products: - Lexium MC12 multi carrier - Lexium P, T (Delta robots) - Cartesian Robots : Lexium MAX, Lexium TAS, Lexium PAS, and Lexium CAS (supported in a future launch).	Schneider Electric products: - Lexium MC12 multi carrier - Lexium P, T (Delta robots) - Lexium Cobot - Lexium STS (SCARA robots) Generic Belt & Conveyors (Use customized catalogs created in the Developer)	Schneider Electric products: - Lexium MC12 multi carrier - Lexium P, T (Delta robots) - Lexium Cobot - Lexium STS (SCARA robots) Generic Belt & Conveyors	N/A
Controller Library	- PacDrive 3 LMC Eco/ Pro/Pro2 motion controllers - Modicon M262 controller	- Schneider Electric controllers supported - Most common 3rd party (Siemens, Beckhoff, Rockwell, Omron etc.)	- Schneider Electric controllers supported - Most common 3rd party (Siemens, Beckhoff, Rockwell, Omron etc.)	- Schneider Electric controllers supported - Most common 3rd party (Siemens, Beckhoff, Rockwell, Omron etc.)
Connection type	OPC-UA	- OPC UA - Modbus/TCP - TCP/UDP - RFC1006 - Beckhoff ADS - Siemens S7 communication - Siemens Fetch/Write - Ethernet/IP CIP browsable (Use customized communication interfaces created in the Developer)	- OPC UA - Modbus TCP - TCP/UDP - RFC1006 - Beckhoff ADS - Siemens S7 communication - Siemens Fetch/Write - Develop customized communication plug-ins - Ethernet/IP CIP browsable	- OPC UA - Modbus/TCP - TCP/UDP - RFC1006 - Beckhoff ADS - Siemens S7 communication - Siemens Fetch/Write - Ethernet/IP CIP browsable (Use customized communication interfaces created in the Developer)
Virtual commissioning	Unit testing (one object)	Yes	N/A	N/A
Use components from catalog	No	Yes (Physics)	Yes	N/A
Import catalogs	No	Yes	Yes	N/A
Develop own components	No	No	Yes (usable with Builder)	N/A
Design Configuration	No	No	Yes	N/A
Sales Animation	No	Yes	Yes	N/A
3D Export	No	Yes	Yes	N/A
Ordering reference	–	See page 11	See page 11	See page 11

EcoStruxure Machine Expert Twin

A scalable digital twin software suite for your entire machine lifecycle

Ecostruxure Machine Expert Twin: Scalable suite from single product to complete production line



EcoStruxure Machine Expert (1)

Single Schneider Electric robot or Lexium MC12 track



EcoStruxure Machine Expert Twin – Suite

Complete machines and production lines, supports multiple PLC connections in parallel



EcoStruxure Machine Expert RemoteViewer

On-premise linked to Machine control + web-based Remote Viewer

Visu

- Visualization (with Lexium MC12 multi carrier only – Part of Machine Expert)
- ⇒ Visualization integrated in EcoStruxure Machine Expert.
- ⇒ Test PLC application code of single mechatronic object like Lexium MC12 multi carrier or Lexium P and T series Delta robots.

Builder

- Emulation / Visualization
- ⇒ Enables emulation and controls testing of a machine with PLC controller in the loop.
- ⇒ Use drag & drop of "ready to use" Schneider Electric components and generic objects.
- ⇒ Emulate the complete machine with PLC(s) in the loop. Combine both Schneider Electric and 3rd party controls and automation systems.

RemoteViewer

- Digital Twin on-premise
- ⇒ Provides on premise execution of a digital twin scene, connected to the operational machine.
- ⇒ Connect securely to Machine Expert Twin and stream the 3D model-based visualization of the operational machine.
- ⇒ The web-based solution supports various clients, like PCs, mobile devices, tablets, or even AR/VR technology.
- ⇒ 3D digital twin model enables better condition for remote maintenance, remote assistance, and remote support.
- ⇒ Enables new service business opportunities.

Developer (Customization & development)

- Contains Builder features
- ⇒ Access the entire Machine Expert Twin suite and underlying .net framework.
- ⇒ Open software suite to develop customized – simulation & emulation components, catalogs, plugins, tools, interfaces, etc.
- ⇒ Open software architecture adapts to our customer's workflow, processes and data source.

(1) Consult [EcoStruxure Machine Expert](#) on our website.

EcoStruxure Machine Expert Twin

A scalable digital twin software suite for your entire machine lifecycle



EcoStruxure Machine Expert Twin

EcoStruxure Machine Expert Twin references

- > EcoStruxure Machine Expert Twin is available in English.
- > Documentation is supplied in digital format: Complete online help with complementary documentation in online version:
<https://product-help.se.com/Machine%20Expert%20Twin/latest>
- > System requirements (minimum PC requirements):
 - CPU – Quad Core CPU with 8MB Cache and DDR3
 - Graphics card – Nvidia Gt 710 2GDH3 or equivalent
 - Memory – 8GB Ram
 - Disk Space – 900MB
 - Operating System – Windows 10
 - Administrative user rights on PC/operation system is preferred. The user should be familiar with normal PC and Windows functionality.
- > References are digital, available from the cloud.
- > Select (click on [reference](#) below), download and activate your license, and register it on Schneider Electric country website for usage tracking, computer replacement, ...

Designation	Subscription base	Number of licenses	Reference (1)	
			Node-locked (2)	Floating with borrowing (2)
Machine Expert Twin Builder	Machine (50 objects)	Single (1)	ESETBSCZSSXAZZ	ESETBSCZSSXBZZ
		Team (10)	ESETBSCZSTXAZZ	ESETBSCZSTXBZZ
		Site (100)	ESETBSCZSEXAZZ	ESETBSCZSEXBZZ
	Automation (100 objects)	Single (1)	ESETBSCZMSXAZZ	ESETBSCZMSXBZZ
		Team (10)	ESETBSCZMTXAZZ	ESETBSCZMTXBZZ
		Site (100)	ESETBSCZMEXAZZ	ESETBSCZMEXBZZ
	Enterprise (unlimited)	Single (1)	ESETBSCZLSXAZZ	ESETBSCZLSXBZZ
		Team (10)	ESETBSCZLTAXAZZ	ESETBSCZLTXBZZ
Machine Expert Twin Developer	Automation (100 objects)	Single (1)	ESETDSCZMSXAZZ	ESETDSCZMSXBZZ
		Team (10)	ESETDSCZMTXAZZ	ESETDSCZMTXBZZ
	Automation - University (100 objects)	Team (10)	–	ESETSLEZMTXBZZ
		Single (1)	ESETDSCZLSXAZZ	ESETDSCZLSXBZZ
	Enterprise (unlimited)	Team (10)	ESETDSCZLTAXAZZ	ESETDSCZLTXBZZ
Machine Expert Twin RemoteViewer	Machine (50 objects)	Single (1)	ESETSSCZSSXAZZ	–
	Automation (100 objects)	Single (1)	ESETSSCZMSXAZZ	–
	Enterprise (unlimited objects)	Single (1)	ESETSSCZLSXAZZ	–

Designation	Perpetual	Number of licenses	Reference (1)	
			Node-locked (2)	Floating with borrowing (2)
Machine Expert Twin Builder	Machine (50 objects)	Single (1)	–	ESETBPCZSSPBZZ
	Automation (100 objects)	Single (1)	–	ESETBPCZMSPBZZ
	Enterprise (unlimited objects)	Single (1)	–	ESETBPCZLSPBZZ
Machine Expert Twin Developer	Automation (100 objects)	Single (1)	–	ESETDPCZMSPBZZ
	Automation - University (100 objects)	Team (10)	–	ESETGLEZMTPBZZ
	Enterprise (unlimited objects)	Single (1)	–	ESETDPCZLSPBZZ
Machine Expert Twin RemoteViewer	Machine (50 objects)	Single (1)	ESETSPCZSSPAZZ	–
	Automation (100 objects)	Single (1)	ESETSPCZMSPAZZ	–
	Enterprise (unlimited objects)	Single (1)	ESETSPCZLSPAZZ	–

EcoStruxure Machine Expert Twin

A scalable digital twin software suite for your entire machine lifecycle

EcoStruxure Machine Expert Twin references

Designation	Test license - 3 months	Number of licenses	Reference (1)	
			Node-locked (2)	Floating with borrowing (2)
Machine Expert Twin Developer	Automation (100 objects)	Single (1)	ESETDSCZMSRAZZ	–

Ecostruxure Machine Expert Twin Logistics and Warehouse

Designation	Subscription base	Number of licenses	Reference (1)	
			Node-locked (2)	Floating with borrowing (2)
Machine Expert Twin Logistics and Warehouse Builder	Enterprise (unlimited objects)	Single (1)	–	ESETLWBSLSXBZZ
Machine Expert Twin Logistics and Warehouse Developer			–	ESETLWDSLSXBZZ
Machine Expert Twin Logistics and Warehouse Commissioner			–	ESETLWCSLSXBZZ

(1) For the commercial references listed here, please consult your Country front office for the purchase.

(2) Node-locked license is a license that is locked to a single computer.

Floating license is a license that is hosted on a license server. Any computer can check out the license and use it, then check it back in when done and allow another computer to use it. When a user quits an application, all licenses used during that session are returned to the pool of available licenses.

E	
ESETBPCZLSPBZZ	12
ESETBPCZMSPBZZ	12
ESETBPCZSSPBZZ	12
ESETBSCZLSXAZZ	12
ESETBSCZLSXBZZ	12
ESETBSCZLTAXZZ	12
ESETBSCZLTXBZZ	12
ESETBSCZMEXAZZ	12
ESETBSCZMEXBZZ	12
ESETBSCZMSXAZZ	12
ESETBSCZMSXBZZ	12
ESETBSCZMTXAZZ	12
ESETBSCZMTXBZZ	12
ESETBSCZSEXAZZ	12
ESETBSCZSEXBZZ	12
ESETBSCZSSXAZZ	12
ESETBSCZSSXBZZ	12
ESETBSCZSTXAZZ	12
ESETBSCZSTXBZZ	12
ESETDPCZLSPBZZ	12
ESETDPCZMSPBZZ	12
ESETDSCZLSXAZZ	12
ESETDSCZLSXBZZ	12
ESETDSCZLTAXZZ	12
ESETDSCZLTXBZZ	12
ESETDSCZMSRAZZ	13
ESETDSCZMSXAZZ	12
ESETDSCZMSXBZZ	12
ESETDSCZMTXAZZ	12
ESETDSCZMTXBZZ	12
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ESETLWCSLSXBZZ	13
ESETLWDSLSXBZZ	13
ESETSLEZMTXBZZ	12
ESETSPCZLSPAZZ	12
ESETSPCZMSPAZZ	12
ESETSPCZSSPAZZ	12
ESETSSCZLSXAZZ	12
ESETSSCZMSXAZZ	12
ESETSSCZSSXAZZ	12

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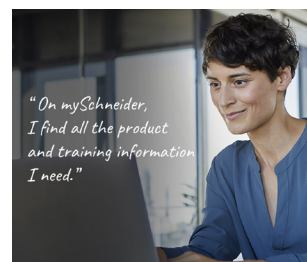
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