

Controllers, system components and engineering tools





Easy to automate

We are motivated and committed to working with you to create the best possible solution that sets your ideas in motion – regardless of whether you are looking to optimize an existing machine or develop a new one. We strive to make things easy and seek perfection therein. This is ingrained in our thinking, in our service, and in every detail of our products.

Automation

Our central automation systems enable simple integration into production lines thanks to standard interfaces. In this way, you remain independent and protect your investment.

The following components form the Lenze approach for a robust and efficient automation solution:

Controllers

Lenze controllers provide a powerful, integrated system that enables coordinated multi-axis movements. In addition, the system must be able to assume the control function of a line process. Our controllers do this and more effectively and safely.

System components

The robust Lenze Web Panels are the ideal visualization solution for carrying out all settings and monitoring functions directly on the machine.

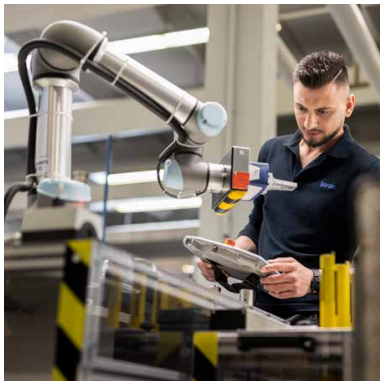
Engineering tools

A holistic concept is crucial for controlling your machine. From planning to implementation, you make decisions that are important for functions and efficiency. We support you with our engineering tools.

This means that at Lenze you will find the hardware and software solutions that are suitable for your application and necessary for future-proof automation.

Features at a glance

Use of market standards



We can network with control and drive systems at any time. This enables simple integration into superimposed line structures. This openness creates future security, both for the machine manufacturer and for the end user.

Keep your core competence in-house and secure your competitive advantage.

Modern visualization



We support you in the implementation of user-centric visualization solutions with a future-proof web-based visualization offering.

Core elements are the use of web-based client-server architectures, parameterization of the displayed interfaces and a library of prepared visualization elements that are designed according to usability principles.

Reduced engineering effort



An engineering tool chain without system breaks is the basis for efficient engineering of logic, visualization and movement.

Predefined and tested software engineering modules for basic functions reduce the engineering effort and thus the time to market.



Controllers



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Three different control systems are available, which are tailored to the requirements of a modular machine solution.

With the help of the FAST Application Software, future-proof machine solutions can be easily implemented.

System components

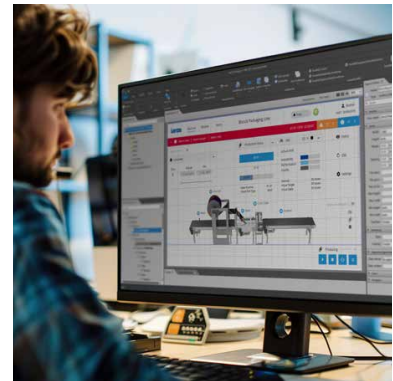


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From web panels and safety controllers to the EtherCAT-CAN Gateway

The system components turn the use of the controller into a complete automation solution.

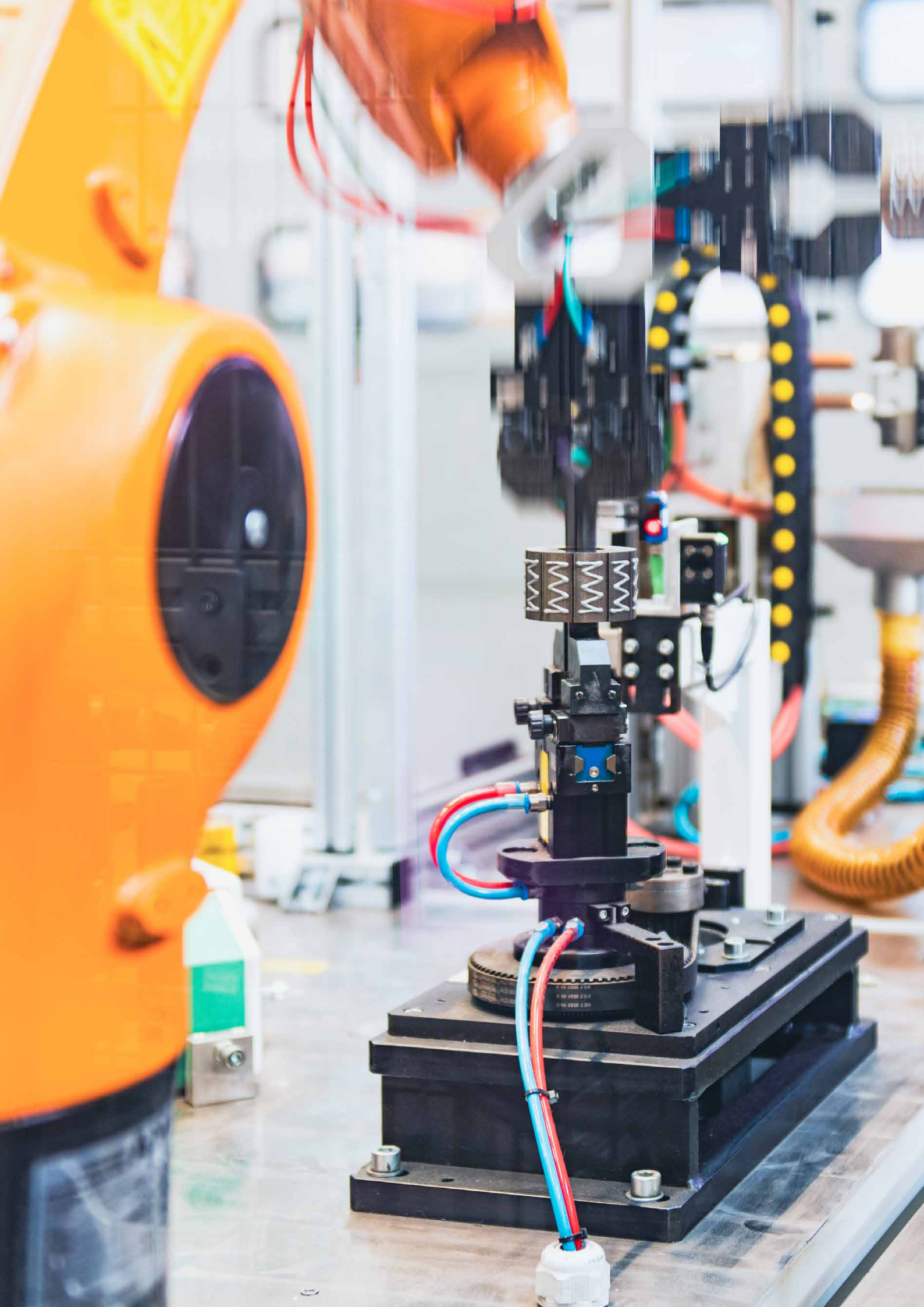
Engineering tools



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Pre-tested, documented and reusable software modules lead to better quality and optimized resource management.

In addition, standards such as PLCopen ensure the openness of our Lenze system.



Controllers

Competitiveness in mechanical engineering is becoming increasingly challenging due to rising requirements in terms of energy efficiency, machine intelligence, and market needs, along with a shortage of skilled personnel and cost pressure. Our controllers with matching system components are facing up to these challenges and are already equipped for the future.

The EASY Engineering Tools simplify the engineering of the machine and support the selection of the most suitable controllers, frequency inverters and motors - energy-efficiently and sustainably.

You can easily call up a lot of information online when selecting a product:

- Use the EASY Product Finder to configure your required version of the product in next to no time (simply click on the  icon).
- For further technical details such as data sheets, CAD data or EPLAN data, please contact our support team simply click on the  icon).



c430/c520/c550 controller

Growing machine requirements and new challenges in the field of Digital Services increase the demands on controllers. Lenze's new generation of cabinet controllers is the perfect answer to these demands.

This product range enables you to easily realize high-end control applications, such as printing machines with many printing units or picker lines with multiple robots. Thus, modern and modular machine controls can be implemented based on our software modules.

Highlights

- Scaled computing power for simple to demanding motion control in compact machines
- Maintenance-free and resistant: The battery-free design and the extended ambient operating temperature to 60 °C are the guarantors of a use in all areas of industry
- The engineering tools are the same as for all the other Lenze products which enables you to continue to use the tools you are familiar with
- Communication via EtherCAT or PROFINET
- Ready for state-of-the-art web-based machine visualizations in combination with EASY UI Designer and v430/v450 web panel



Product overview

	c430 controller	c520 controller	c550 controller
			
Design/mounting	Control cabinet	Control cabinet	Control cabinet
Mounting	DIN rail	DIN rail	DIN rail
Degree of protection	IP20	IP20	IP20
Market approvals			
CE	✓	✓	✓
UKCA	✓	✓	✓
UL	✓	✓	✓
RoHS	✓	✓	✓
Ambient conditions			
Pollution degree	2	2	2
Operation (EN 60721-3-3)	3K3 (0 ... +60 °C)	3K3 (0 ... +60 °C)	3K3 (0 ... +60 °C)
Storage (EN 60721-3-1)	1K3 (-25 ... +70 °C)	1K3 (-25 ... +60 °C)	1K3 (-25 ... +60 °C)
Transport (EN 60721-3-2)	2K3 (-25 ... +70 °C)	2K3 (-25 ... +60 °C)	2K3 (-25 ... +60 °C)
Communication			
EtherCAT master	✓	✓	✓
EtherCAT slave	✓	O	O
PROFINET IO-Device	✓	O	O
Ethernet switch	✓	-	-
Processor/memory			
Processor	Arm® Cortex®-A9 800 MHz	Intel Atom® 1.6 GHz	Intel® Core™ i7 2.8 GHz
Operating system	RT Linux	RT Linux	RT Linux
Flash memory	4 GB	4 GB	8 GB
RAM memory	2 GB	2 GB	4 GB
Retain data	512 kB	1024 kB	1024 kB
Interfaces			
Voltage supply	24 V DC	24 V DC	24 V DC
USB 2.0	1	2	2
Ethernet 100 Mbps/s	2	-	-
Ethernet 1000 Mbps/s	-	1	1

✓ = standard

O = option

Application software

With Lenze FAST, our ready-to-use software engineering modules, our customers can build on an existing but flexible and easily scalable basic framework for the machine application.

FAST Runtime

Basis for the FAST application, which is pre-installed on the controller. This makes it very easy to create the modules and integrate them into the overall process.

FAST UI Runtime

Basis for transferring operating and diagnostic information from the FAST application to the machine visualization.

Depending on the controller, a certain number of variables can be evaluated in the visualization.

Controller	Power tags	Variables	Messages	User	Languages	Scan time
c430	500	500	1000	50	10	1000 ms
c520	1000	1000	1000	50	10	1000 ms
c550	2000	2000	1000	50	10	1000 ms

FAST Application Template

Application template standardized by Lenze for modularized and clear programming in the PLC Designer. For a modularized implementation of the mechatronic structure of an automation system, prefabricated, reusable machine modules and module applications (e.g. a cross cutter) can be created in the FAST Application Template.

FAST technology modules

Pre-tested, documented and reusable software modules lead to better quality and optimized resource management.

The FAST technology modules are used for the simple development of a modular machine control system. You can easily reuse, expand and maintain these software modules - efficiently, reliably, and securely.

FAST technology modules

FAST motion modules

	Basic Motion	Basic motion functions: Manual operation, homing, absolute and relative positioning, continuous travel
	Follow Set Values	Realizes a speed or torque follower
	Temperature Control	Controls the temperature of a system with heating element and temperature sensor
	Speed Control	Implements speed operation and organizes different speed profiles
	Virtual Master	Virtual master axis in the machine
	Table Positioning	Positioning profiles for single axes with velocity changeover and touch probe positioning
	Electronic Gearbox	Implements synchronous operation with adjustable stretching ratio between drives in the network
	Sync Pos	Implements precise angular synchronism between drives in the network
	Flex Cam	Implements one or more electrical cams and flexible management of online and offline cams
	Cross Cutter	Synchronizes the movements of drives for cross-sealing or cross-cutting products
	Sync And Correction	Implements a precise angular synchronism and clock-synchronized drive for setting up a register control with print mark detection
	Flying Saw	Cuts and processes material during movement
	Traverser	Controls the even distribution of a material across the total winding width
	Winder	Winding drive with dancer position control or with tension and speed control
	Stacker Crane	Controls the horizontal and vertical movement of a storage and retrieval unit

FAST robotic modules

	Pick And Place	Implements complex movements in space with the help of profiles for up to four drives with different kinematics
	Coordinated Motion	Coordinated multi-axis movement with FAST Robotic
	Articulated P	Articulated arm kinematics with 4 degrees of freedom
	Belt	Belt kinematics with 2 degrees of freedom
	Scara	Universal serial scara kinematics
	Delta 2	Parallel kinematics with 2 degrees of freedom
	Delta 3	Parallel kinematics with 3 degrees of freedom
	Linear Delta 3	Parallel kinematics with 3 degrees of freedom with linear axes
	Portal3	Universal Cartesian gantry kinematics with 3 degrees of freedom
	Portal5	Universal Cartesian gantry kinematics with 5 degrees of freedom

FAST AddOns

Torque Pre Control	Torque feedforward control for a single axis
Oscillation Comp	Oscillation compensation
Online Ident Stiff Mechanics	Identifies control parameters of a motor-load combination
Online Ident Stiff Mechanics Double	Identifies control parameters of a motor-load combination of two synchronized axes
Group Torque Pre Control	Torque feedforward control for an axis group

Calculation of application credit

Before you select the controller for your application, calculate the required application credit based on the topology requirements and required FAST technology modules:

Topology of the system

		c430 controller	c520 controller	c550 controller	Application Credit
IIoT via OPC-UA	1 client	✓	✓	✓	0
	4 clients	✓	-	-	100
	6 clients	-	✓	✓	150
Communication	EtherCAT slave	✓	See options	See options	100
	PROFINET IO-Device	✓	See options	See options	150
Visualization (FAST UI Runtime)	2 web clients	✓	✓	✓	0
	Each additional	✓	✓	✓	75

FAST technology modules

		c430 controller	c520 controller	c550 controller	Application Credit
Creation aid / PLC Designer	Application Template	✓	✓	✓	0
FAST motion modules	Basic Motion	✓	✓	✓	25
	Follow Set Values	✓	✓	✓	25
	Temperature Control	✓	✓	✓	50
	Speed Control	✓	✓	✓	25
	Virtual Master	✓	✓	✓	25
	Table Positioning	✓	✓	✓	50
	Electronic Gearbox	✓	✓	✓	25
	Sync Pos	✓	✓	✓	25
	Flex Cam	✓	✓	✓	50
	Cross Cutter	✓	✓	✓	100
	Sync And Correction	✓	✓	✓	100
	Flying Saw	✓	✓	✓	100
	Traverser	✓	✓	✓	100
	Winder	✓	✓	✓	100
	Stacker Crane Axis Control	✓	✓	✓	50
FAST robotic modules	Pick And Place	-	✓	✓	100
	Coordinated Motion	-	✓	✓	100
	ArticulatedP	-	✓	✓	100
	Belt	-	✓	✓	0
	Scara	-	✓	✓	100
	Delta2	-	✓	✓	100
	Delta3	-	✓	✓	100
	Linear Delta3	-	✓	✓	100
	Portal3	-	✓	✓	0
	Portal5	-	✓	✓	100
FAST AddOns	Torque Pre Control	✓	✓	✓	25
	Oscillation Comp	✓	✓	✓	50
	Online Ident Stiff Mechanics	✓	✓	✓	25
	Online Ident Stiff Mechanics Double	✓	✓	✓	25
	Group Torque Pre Control	-	✓	✓	50

Free programming in FAST

		c430 controller	c520 controller	c550 controller	Application Credit
Creation aid / PLC Designer	Application Template	✓	✓	✓	0
PLCopen, own program creation	Motion Control	✓	✓	✓	150
	Coordinated Motion	-	✓	✓	300



Calculation examples

The selection of which topology requirements and FAST technology modules are necessary is based on the automation design of the machine. For the topology requirements, the environment must be considered for the calculation; for the technology modules, the number of module calls.

Example 1:

Number	Technology module	Calculation of application credit
1 x	Virtual Master	25
1 x	Electronic Gearbox	25
2 x	Winder	200 (2 x 100)
1 x	Cross Cutter	100
Sum		350

Example 2:

Number	Technology module	Calculation of application credit
1 x	Virtual Master	25
1 x	Speed Control	25
2 x	Flex Cam	100 (2 x 50)
Sum		200

Inventory control

The controller displays available and used application credit by IP address:

The screenshot shows the Lenze License Manager interface in a web browser. The address bar shows '192.168.5.99/diagnosis/diagnosis/'. The page title is 'License Manager' and it indicates 'Number of logbook entries 6505'. The left sidebar contains navigation options: Diagnostics, Function View, Network View, Alarms, Logbook, License Manager (selected), Certificate Handler, and Info. The main content area displays the 'Application Credit (AC) Overview' with the following data:

Item	Available AC	Configured AC	Needed AC	Configuration Mode
FAST Toolbox	500	500	250	All AC to FastToolbox
Robot Kinematic		PORTAL_3DOF	0 AC	
Technology Module		PickAndPlace	100 AC	
Coordinated Motion Functions			0 AC	
Technology Functions		0	150 AC	
FAST UI				
OPC-UA				
Device Features				

Product selection

Product	Processor	Runtime		Degree of protection	m	H x W x D			ID
					[kg]	[mm]			
c430	Arm® Cortex®-A9 800 MHz	FAST		IP20	0.3	136 x 49.8 x 107.7			17004483
		FAST	FAST UI						17004543
c520	Intel Atom® 1.6 GHz	FAST		IP20	1.15	145 x 139 x 114.5			16282279
		FAST	FAST UI						16420355
c550	Intel® Core™ i7 2.8 GHz	FAST		IP20	1.45	145 x 200 x 114.5			16250065
		FAST	FAST UI						16317827

The products listed here are equipped without system functions (application credit=0).

For different system requirements, SD cards with application credit can be selected directly in the product configuration. The corresponding card is inserted in the device.

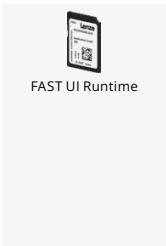
Options



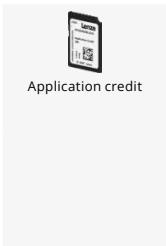
Communication



Visualization



Application credit



Communication

Designation	Description
EtherCAT slave	Ethernet-based fieldbus system EtherCAT Can be activated via parameterization
PROFINET IO-Device	Ethernet-based fieldbus system PROFINET Can be activated via parameterization

Visualization

Designation	Description
FAST UI Runtime	For visualizations on the v430/v450 web panels

Application credit

Designation	Description
Application credit	50 credits
	100 credits
	150 credits
	200 credits
	300 credits
	400 credits
	500 credits
	600 credits
	700 credits
	1000 credits
	1200 credits
	1500 credits
	2000 credits
	2500 credits
	3000 credits
	4000 credits

Accessories

System cables

Designation	Description			ID
Communication cables	0.5 m Ethernet cable			13641901
	1 m Ethernet cable			13641902
	2 m Ethernet cable			13641903
	3 m Ethernet cable			13641904
	5 m Ethernet cable			13641905

Power supply units

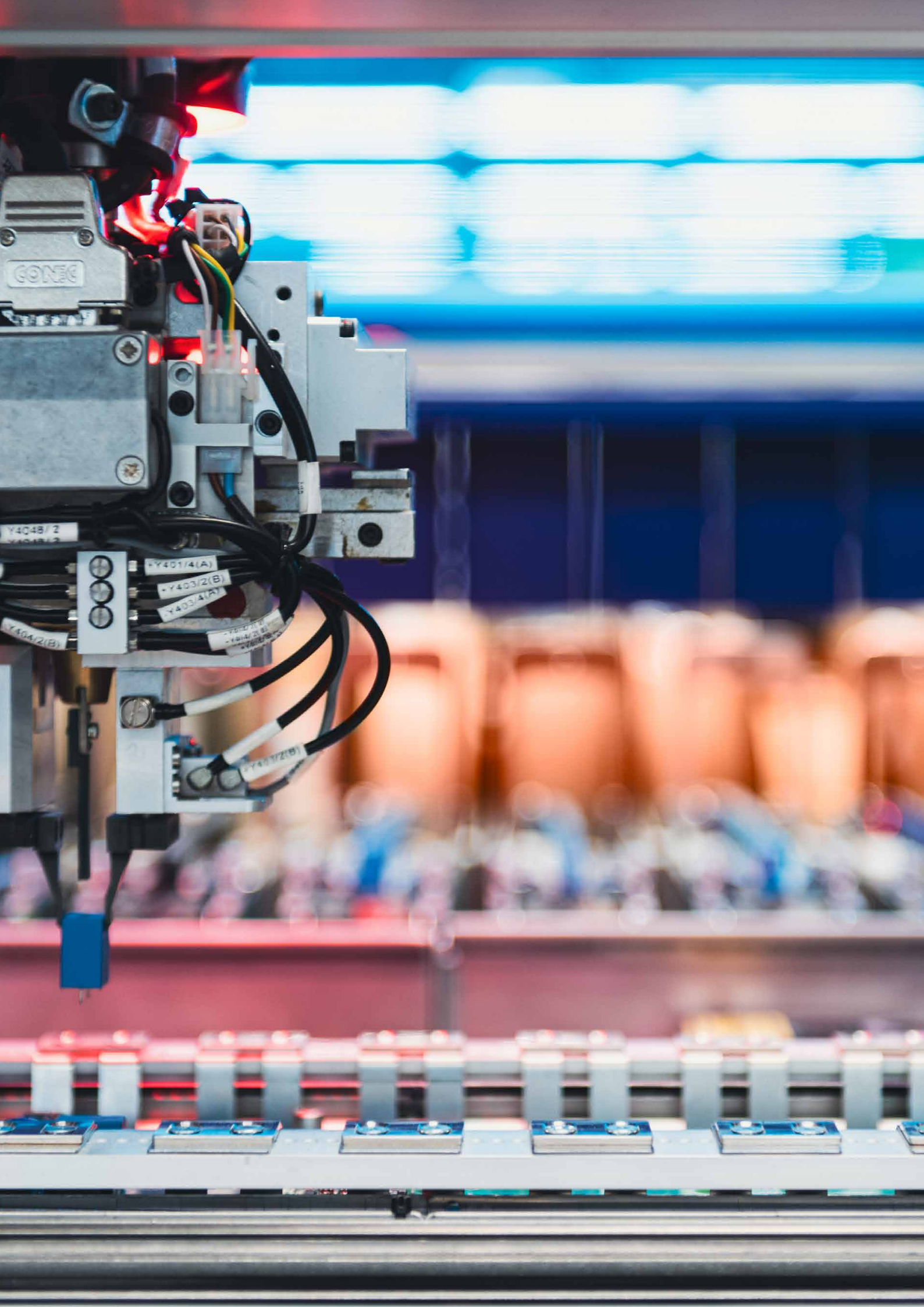
Type	I _{rated}	U _{Out}	V _{mains}	Degree of protection	m	H x W x D			ID
	[A]	[V]	[V]		[kg]	[mm]			
EZVA024005BB000000	5	24	1 AC 230/240 V	IP20	0.86	130 x 40 x 125			13613136
EZVA024010BB000000	10	24	1 AC 230/240 V	IP20	1.05	130 x 60 x 125			13613137
EZVA024005FB000000	5	24	3 AC 400/480 V	IP20	0.78	130 x 40 x 125			13613138
EZVA024010FB000000	10	24	3 AC 400/480 V	IP20	1.32	130 x 60 x 125			13613139
EZVA024020FB000000	20	24	3 AC 400/480 V	IP20	1.6	130 x 70 x 150			13613140

SD card with application credit

Designation	Description			ID
Application credit	50 credits			16040466
	100 credits			16040809
	150 credits			16042190
	200 credits			16041267
	300 credits			16040283
	400 credits			16047082
	500 credits			16040228
	600 credits			16048561
	700 credits			16046263
	1000 credits			16040231
	1200 credits			16056351
	1500 credits			16056462
	2000 credits			16042191
	2500 credits			16049590
	4000 credits			16056464

Further accessories

Designation	Description			ID
USB stick	Stick for transferring the current programming between controllers			13615659



System components

You will find the system components optimally adapted to your machine solution for the controllers here. The interaction with the controllers can be parameterized or programmed via the engineering tools.

You can call up a lot of information about the following products easily online when selecting a product:

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- For further technical details such as data sheets, CAD data or EPLAN data, please contact our support team simply click on the .



v430/v450 web panel

Aesthetic machine visualizations in modern design, which can also be operated intuitively, are becoming increasingly important. With the v430 and v450 web panel and our web-based offer, consisting of the EASY UI Designer project planning tool and the FAST UI Runtime on the c430, c520, and c550 controllers, we offer a solution for such visualizations.

The v430 and v450 web panels as browser-based display units with capacitive multi-touch displays are the ideal devices for modern topologies of machine visualization. Both device series are offered in 7", 10.1" and 15.6" screen diagonals and are identical in terms of performance and functionality. The main difference arises from the way they are mounted:

The Web Panel v450 has a fully enclosed housing with IP67 protection and is therefore suitable for flexible applications. It can be mounted on a support arm, on a wall, or on the control cabinet wall.

The v430 web panel, on the other hand, is ideally suited for classic mounting in the control cabinet wall.

Visually, both device series are real eye-catchers and confirm the high-quality impression of your machine.

Highlights

- Chromium based web panel
- TFT color display in 7", 10.1", and 15.6"
- Multi-touch glass front



Product overview

	v430 web panel	v430 web panel	v430 web panel	v450 web panel	v450 web panel	v450 web panel
						
Design/mounting	Mounting in housing			Support arm or wall		
Screen diagonal	7"	10.1"	15.6"	7"	10.1"	15.6"
Degree of protection	IP66 (front side), IP20 (back side)			IP67		
Market approvals						
CE	✓	✓	✓	✓	✓	✓
UKCA	✓	✓	✓	✓	✓	✓
UL	✓	✓	✓	✓	✓	✓
RoHS	✓	✓	✓	✓	✓	✓
Ambient conditions						
Pollution degree	2	2	2	2	2	2
Operation	-20 ... +60 °C	-20 ... +60 °C	-20 ... +60 °C	-20 ... +55 °C	-20 ... +55 °C	-20 ... +55 °C
Storage	-30 ... +80 °C	-30 ... +80 °C	-30 ... +80 °C	-30 ... +80 °C	-30 ... +80 °C	-20 ... +70 °C
Screen						
Diagonal	7" (17.8 cm)	10.1" (25.7 cm)	15.6" (39.6 cm)	7" (17.8 cm)	10.1" (25.7 cm)	15.6" (39.6 cm)
Resolution (pixel)	1024 x 600	1280 x 800	1920 x 1080	1024 x 600	1280 x 800	1366 x 768
Brightness	500 cd/m²	500 cd/m²	400 cd/m²	400 cd/m²	400 cd/m²	400 cd/m²
Number of colors	16 million	16 million	16 million	16 million	16 million	16 million
Touchscreen technology	Capacitive glass surface, multi-touch					
Processor/memory						
Processor	i.MX8M Mini Quad ARM Cortex-A53 (1.60 GHz)					
Operating system	Linux	Linux	Linux	Linux	Linux	Linux
Flash memory	4 GB	4 GB	4 GB	4 GB	4 GB	4 GB
RAM memory	2 GB	2 GB	2 GB	2 GB	2 GB	2 GB
Interfaces						
Voltage supply	24 V DC	24 V DC	24 V DC	IEEE 802.3af PoE	IEEE 802.3af PoE	IEEE 802.3at PoE+
USB 2.0	1	1	1	1 (via adapter cable)	1 (via adapter cable)	1 (via adapter cable)
Ethernet 100 Mbps/s	1	1	1	1	1	1
Ethernet 1000 Mbps/s	-	-	-	-	-	-

Product selection

Product	Screen diagonal	Degree of protection	m	H x W x D			ID
			[kg]	[mm]			
v430 web panel	7" (17.8 cm)	IP66/20	0.7	147 x 187 x 37			13642485
	10.1" (25.7 cm)	IP66/20	1.3	197 x 282 x 37			13642486
	15.6" (39.6 cm)	IP66/20	3.2	267 x 422 x 45			13642487
v450 web panel	7" (17.8 cm)	IP67	0.7	131.6 x 195.2 x 16.5			13597105
	10.1" (25.7 cm)	IP67	1.2	183.1 x 264.5 x 16.5			13597172
	15.6" (39.6 cm)	IP67	4.0	248 x 398.6 x 26.5			13597174



Accessories

System cables

Designation	Description			ID
Communication cables	0.5 m Ethernet cable			13641901
	1 m Ethernet cable			13641902
	2 m Ethernet cable			13641903
	3 m Ethernet cable			13641904
	5 m Ethernet cable			13641905
	5 m Ethernet cable, 90° angled plug, Power over Ethernet (PoE)-capable			13597180
	5 m Ethernet cable, Power over Ethernet (PoE)-capable			13597182
	5 m USB cable, Power over Ethernet (PoE)-capable			13597194

Connection

Designation	Description			ID
PoE injector	Power over Ethernet (PoE) injector for DIN rail mounting			13597175

Mounting

Designation	Description			ID
Mounts	Pipe mount for v450 7" or 10.1"			13597176
	Pipe mount for v450 15.6"			13597177
	Wall mount for v450 7",10.1"			13597178
	Wall mount for v450 15.6"			13597179
	VESA mount for v450			13597181
Tool	Cable installation tool for the PoE communication cable			13598417

c250-S safety controller

Safety in the system does not start with the drives, but at the control level. The c250-S safety controller provides a complete automation solution for safety technology, control and drive tasks. Rounded off by the safety I/O modules, all safety aspects can be evaluated in the machine module. Data is transferred via EtherCAT/FSOE.

Highlights

- Outputs available with output current up to 2 A
- Safety I/O modules with pluggable connections and integrated connection directly stackable
- High-quality safety solution thanks to PL e/SIL 3
- Consistent engineering platform
- Compliance with the PLCopen standard





Product overview

c250-S safety controller	
	
Mounting	DIN rail
Degree of protection	IP20
Market approvals	
CE	✓
UKCA	✓
UL	✓
RoHS	✓
Ambient conditions	
Pollution degree	2
Operation (EN 60721-3-3)	3K3 (0 ... +55 °C)
Storage (EN 60721-3-1)	1K3 (-25 ... +70 °C)
Transport (EN 60721-3-2)	2K3 (-25 ... +70 °C)
Communication	
EtherCAT	✓ (Slave)
Interfaces	
Voltage supply	24 V DC
USB 2.0	-
Ethernet 100 Mbps/s	-
Ethernet 1000 Mbps/s	-

Product selection

Product	Inputs	Outputs	Degree of protection	m	H x W x D			ID
				[kg]	[mm]			
c250-S safety controller	-	-	IP20	0.125	120 x 25 x 90			13520259

Accessories

Extensions

Product	Inputs	Outputs	Degree of protection	m	H x W x D			ID
				[kg]	[mm]			
Safety bus coupler	-	-	IP20	0.135	120 x 25 x 90			13520258
Safety I/O module	4 x digital	2 x digital	IP20	0.050	120 x 25 x 90			13559071
	8 x digital	2 x digital	IP20	0.220	120 x 25 x 90			13580383
	16 x digital	-	IP20	0.220	120 x 25 x 90			13580384
	16 x digital	4 x digital	IP20	0.220	120 x 25 x 90			13580385

EtherCAT CAN Gateway x750

With the EtherCAT CAN Gateway x750, existing CAN networks can be easily integrated into EtherCAT networks. In the EtherCAT network, the gateway behaves like an EtherCAT device. The number of CAN nodes is only limited by the CANopen specification.

Highlights

- Parameterizing the gateway via the Lenze PLC Designer
- Using the PLC Designer CANopen libraries with the gateway
- Generating a highly accurate clock signal for the CAN bus
- High Speed CAN interface with up to 1 Mbps





Product overview

EtherCAT CAN Gateway x750	
	
Mounting	DIN rail
Degree of protection	IP20
Market approvals	
CE	✓
UKCA	✓
UL	-
RoHS	✓
Communication	
CANopen	✓
EtherCAT	✓ (Slave)
Interfaces	
Voltage supply	24 V DC
USB 2.0	-
USB 3.0	-
Ethernet 100 Mbps/s	-
Ethernet 1000 Mbps/s	-

Product selection

Product	Communication	Degree of protection	m	H x W x D			ID
			[kg]	[mm]			
EtherCAT CAN gateway x750	CANopen, EtherCAT	IP20	0.2	116 x 28 x 95			13626911



Engineering tools

Whether programming processes or visualizing machine monitoring - Lenze has the right engineering tools for your machinery.

EASY UI Designer for machine visualization

Using the EASY UI Designer in combination with the FAST UI Runtime of the new c430, c520 and c550 control systems, web-based machine visualizations can be easily created. Our v430 and v450 web panels round off the solution perfectly with their high-quality design.

Create individual interfaces without web programming knowledge by adapting our prepared templates and controls. Put the user at the center of attention without much effort - with intuitive and user-friendly machine operation.

PLC Designer for programming the controller

The PLC Designer is the tool for program creation and commissioning of products with PLC functionality on the basis of CODESYS V3. Logic & motion is programmed in accordance with the IEC 61131-3 standard. PLCopen certified modules for motion control and coordinated motion make it easy to implement even extensive PLC projects. A graphical cam editor for cam profiles, a debugger and monitoring functions provides you with support.



EASY UI Designer



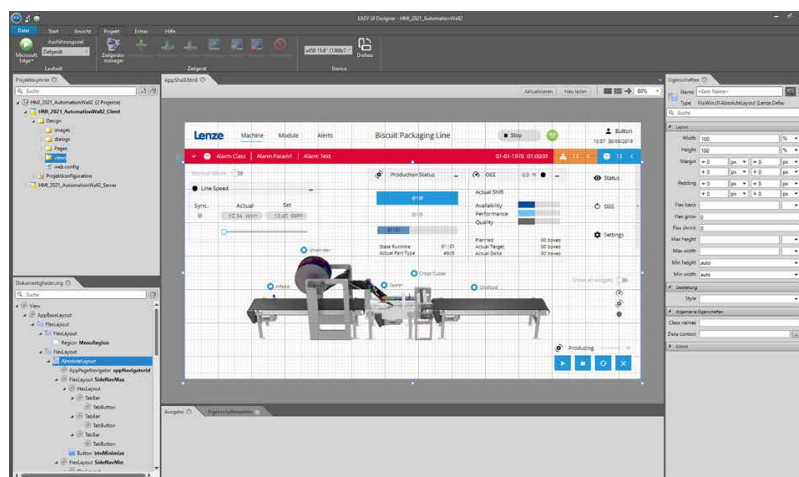
Expert-level visualization without programming knowledge

The visualization is the face of your machine. In a world in which intuitively designed user interfaces are becoming more and more standard, expectations regarding the operation of a machine are also increasing. With EASY UI Designer, you can develop modern web visualizations with an appealing design.

Configure your project efficiently by using the various templates and control elements in our software. When designing these components, we pay attention to both aesthetics and ease of use for the machine operator to give you the best starting point for creating user-friendly applications.

With our solution, you are also technologically well equipped for flexible surfaces and topologies. The client-server architecture and standards such as OPC UA, HTML5, CSS and JS allow your application to be accessed and viewed at scale on a smartphone, tablet or panel. This means that you do not have to make any adjustments to your visualization even in the event of a migration. All this is possible without any web programming. However, if there is an individual need for extensions, we can develop them together thanks to the open approach.

[Download link](#)





PLC Designer



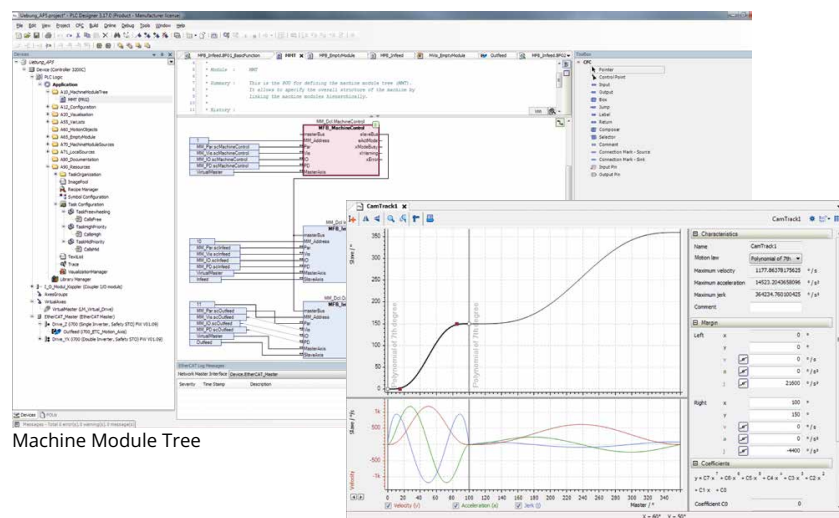
Program creation and commissioning

The PLC Designer is the tool for creating programs and commissioning our PLC products that comply with the IEC 61131-3 standard.

The PLC Designer includes all functions for convenient engineering of controller-based solutions. The functionality Designer functionalities include an extensive library of function blocks for a wide range of tasks. The PLC Designer can be used in combination with the EASY Starter for straightforward commissioning.

The software is based on CODESYS V3 and is intended for project engineers of mechanical engineering companies. In addition, we offer you comprehensive support in the realization of your projects through our application engineers in every project phase.

[Download link](#)



Machine Module Tree

Graphical cam editor

Licenses



Designation	License	ID
EASY Professional	Single license	13474574

