



Solutions and systems for food industry and medical technology

-  Cable
-  Connectivity
-  Cabinet
-  Control

Solutions and systems for

Food industry and medical technology

Optimize your systems with durable and efficient components from LÜTZE —
in the control cabinet and beyond!

In the food industry and medical technology components must meet strict requirements: a compact design, low operating costs, energy efficiency, high operational safety, minimal downtime, and fast serial processes. In addition, monitoring, easy installation, modular

systems, a high degree of automation, and a low CO₂ footprint are essential.



**More efficiency, productivity, digitalization, and sustainability with
future-proof solutions from LÜTZE.**

Digitalization

- **Process monitoring:**
AirSTREAM Control Cabinet Wiring, Single Pair Ethernet, LCOS, and LUNA Board
- **Monitoring:**
AirSTREAM, LOCC-Box, PANELCON, Switches, M8 and M12 Actuator/Sensor Technology, Interface Technology, Single Pair Ethernet
- **Secure connection between system and drive technology:**
Data, Control, and Servo Cables and Assemblies
- **High degree of automation:**
AirSTREAM, LOCC-Box, PANELCON, Switches, M8 and M12 Actuator/Sensor Technology, and Interface Technology

Productivity

- **Increased operational safety:**
AirSTREAM, *AirBLOWER*, LOCC-Box, PANELCON, Switches, M8 and M12 Actuator/Sensor Technology, Interface Technology, Single Pair Ethernet
- **Ease of installation:**
LOCC-Box, PANELCON, Switches, Cable Glands and Cable Entries, Valve Connectors
- **Fast processes through plug & play:**
M8 and M12 Actuator/Sensor Technology, and Interface Technology
- **Standardization:**
AirSTREAM, Valve Connectors, LCOS and LUNA Board

LÜTZE Inside and Outside Cabinet

LÜTZE offers a perfectly coordinated and highly efficient portfolio for applications inside and outside the cabinet. Our four product areas are divided into solutions for use within and outside the control cabinet – depending on specific requirements.

For applications **outside the cabinet**, the Cable and Connectivity areas provide exceptionally reliable, robust, and highly flexible cables – optionally pre-assembled – as well as solutions for suppression technology, connectors, and network technology.

Inside the cabinet, the Cabinet division impresses with the space-saving, thermally optimized, and energy-efficient *AirSTREAM®* wiring system.

The portfolio is complemented by the Control division, offering universal interface technology, power supply solutions, intelligent current monitoring, and industrial Ethernet infrastructure.



Sustainability

- **Reduction of energy consumption and costs:**
AirSTREAM, LCIS Solid-State Relays
- **Improvement of the CO₂ footprint:**
AirSTREAM, *AirBLOWER*

Efficiency

- **Energy cost savings:**
AirSTREAM, *AirBLOWER*, Valve Connectors, Power Supply
- **Space savings:**
AirSTREAM, Power Supply, LOCC-Box, PANELCON, Switches, LCIS Solid-State Relays
- **Reduction of downtime:**
AirBLOWER, LCOS, LUNA-Board

Efficiency in Automation

LÜTZE's efficient product portfolio ranges from highly flexible control cables and customized cable assemblies to the energy-efficient AirSTREAM wiring system for control cabinets, and extends to intelligent Industry 4.0 solutions in the areas of interface technology, power supply, and Ethernet infrastructure.

Ethernet Infrastructure

Switches, PoE-Switches, Ethernet Cables,
Bus and Network Cables

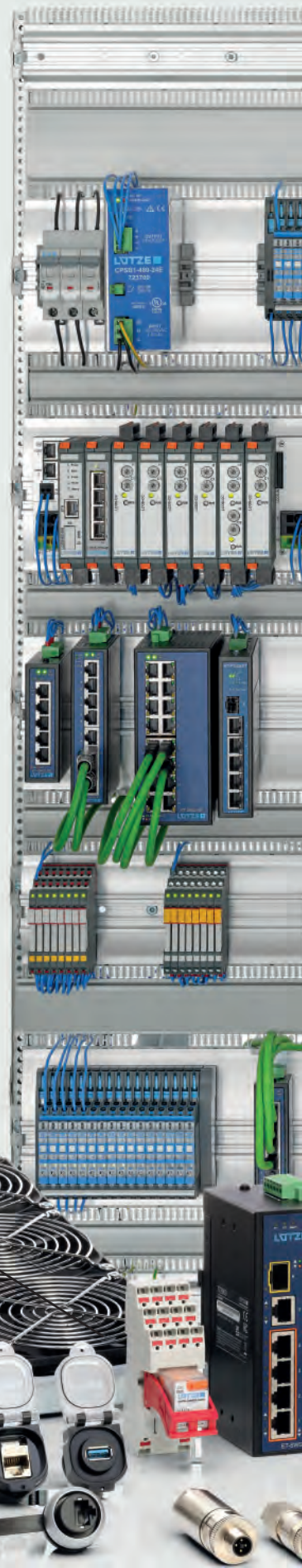
Relays and Solid-State Relays

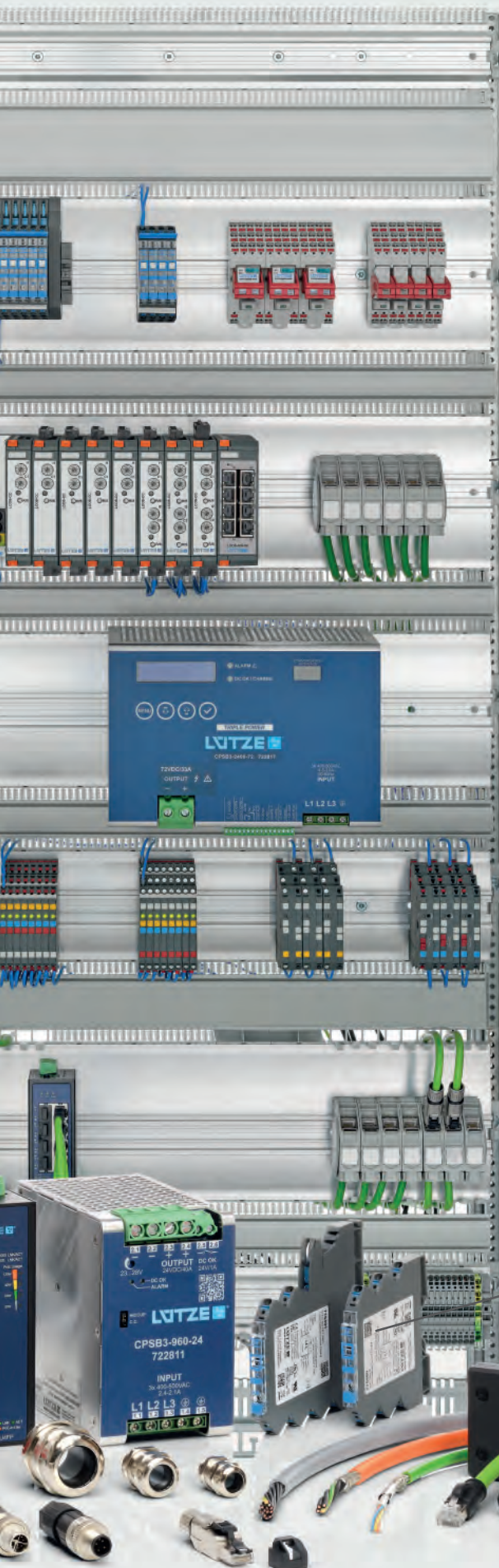
AirBLOWER and
AirBLOWER Compact

Cable Entries / USB-Interface Technology
Bus Coupler, Gateways, Panelcon

Suppression Technology
and **Valve Connectors**

M8 and M12 Actuator/Sensor Technology





AirSTREAM and
AirSTREAM Compact

Power Supplies

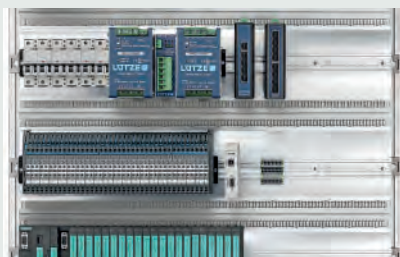
Selective Load Monitoring
LOCC-Box, LOCC-Box M, LUNA Board

Data, Control, and Servo Cables
and **Assemblies**

Cable Glands

Cable Entries

Solutions for Production Facilities



AirSTREAM &

AirSTREAM Compact

- Space savings of up to 30%
- Reduction of control cabinet size
- Shorter production times
- Standardization
- High mechanical durability
- Homogeneous control cabinet climate



Further information
about the product



Selective Load Monitoring

LOCC-Box / LOCC-Box Net:

- Space-saving design, also available as the compact LOCC-Box-M in miniature format
 - Reliable tripping behavior up to 120 m
- LUNA Board:
- Space-saving, easy to install, with reliable tripping behavior



Further information
about the product



Power Supplies

- Space-saving compact power supplies
- Very wide AC/DC input voltage range and output voltages of 12 V / 24 V / 48 V / 72 V
- Energy cost reduction



Further information
about the product



AirBLOWER &

AirBLOWER Compact

- Reduction of downtime through prevention of hot spots
- Up to 25% energy savings by reducing active cooling demand
- Improvement of the CO₂ footprint
- Homogeneous control cabinet climate
- Reduction of filter mats



Further information
about the product



Ethernet Infrastructure

Switches / POE Switches:

- High operational reliability
- Easy installation
- Process monitoring / monitoring

Ethernet cables: connection of Ethernet technology / monitoring, EtherCAT, PROFINET, Ethernet, CAN bus, and other bus systems



Further information
about the product



Relays and Solid-State Relays

- Support energy reduction and space savings



Further information
about the product



Cable Entries & USB-Interface Technology

BUS Coupler & Gateways:

- High degree of automation
- Process monitoring / monitoring
- High operational reliability

Panelcon® Keystone IP69K:

- Modular, user friendly



Further information about the product



Valve Connectors

- High protection rating
- Energy reduction with Energy Saver



Further information about the product



M8 & M12 Actuator/Sensor Technology

- High degree of automation



Further information about the product



Cable Glands / Cable Entries

Cable entries:

- High protection rating and mechanical durability, easy to install

Cable glands:

- High protection rating, easy handling



Further information about the product



Cables & Cable Assemblies

Servo cables and assemblies:

- According to Siemens®, Allen Bradley®, Bosch®, and soon SEW® standards

Data and control cables:

- For flexible and highly flexible applications and high mechanical durability



Further information about the product

More space in control cabinet for the village dairy



A Swiss village dairy is modernizing its production with new technology and automation.

The challenge: the existing control cabinet had to be reused — a task successfully solved thanks to LÜTZE **AirSTREAM**.

Käserei Ott in Alosen, Switzerland, upgraded its plant control system, including the turning press, CIP cleaning system, separator, and milk intake. The project was planned and implemented by Vogel Engineering AG.

Since the existing control cabinet was to remain in use, space-saving

technology was essential. With the **AirSTREAM** duct-free wiring system, all components could be integrated compactly and with optimal air circulation — even leaving 10% additional space in reserve.

The system enables easier rewiring, improved heat distribution, and greater clarity inside the cabinet.

The entire plant can now be operated centrally via a 15-inch touchscreen, with temperature, fill levels, and cleaning processes automatically controlled and recorded.

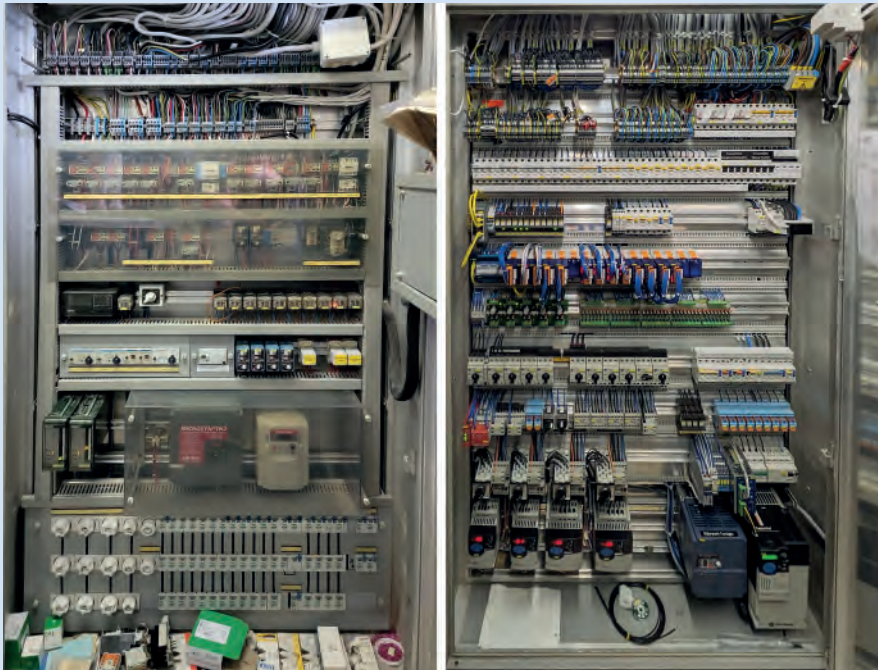
For Vogel Engineering, **AirSTREAM** has now become the standard solution for projects with limited space. Roman Vogel describes the collaboration with LÜTZE Switzerland as “straightforward and practical” — just like their solutions for traditional dairies equipped with modern technology.

[Read the full article here](#)



Keyfacts

- **Customer:** Käserei Ott
- **Location** Alosen / Switzerland
- **Industry:** Dairy
- **Machine/Project:** System control including turning press, CIP cleaning, separator, and milk intake
- **LÜTZE Solutions:** AirSTREAM Wiring System



Products used for this application

Inside Cabinet:



AirSTREAM
Wiring System

Possible additional products for this application

Outside Cabinet:



Tuchel
ecoImate® m
Sensors or auxiliary drives



Tuchel
IP&S Easy & Safe 2P+E
CEE-Plug according
IEC 60309-1, -2

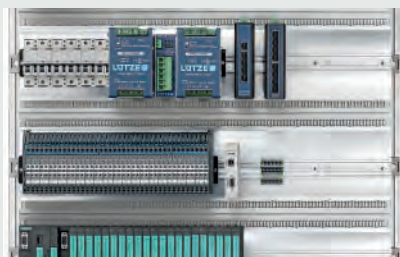


LTW
Xinto
X-LOK Push-Lock
circular connector



LTW
FLOS
Mpronto-12 Push-Pull M12
circular connector

Solutions for Processing Machines



AirSTREAM &

AirSTREAM Compact

- Space savings of up to 30%
- Reduction of control cabinet size
- Shorter production times
- Standardization
- High mechanical durability
- Homogeneous control cabinet climate



Further information
about the product



Selective Load Monitoring

LOCC-Box / LOCC-Box Net:

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- LUNA Board:**
- Space-saving, easy to install, with reliable tripping behavior



Further information
about the product



Power Supplies

- Space-saving compact power supplies
- Very wide AC/DC input voltage range and output voltages of 12 V / 24 V / 48 V / 72 V
- Energy cost reduction



Further information
about the product



AirBLOWER &

AirBLOWER Compact

- Reduction of downtime through prevention of hot spots
- Up to 25% energy savings by reducing active cooling demand
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- Homogeneous control cabinet climate
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Further information
about the product



Ethernet Infrastructure

Switches / POE Switches:

- High operational reliability
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Ethernet cables: connection of Ethernet technology / monitoring, EtherCAT, PROFINET, Ethernet, CAN bus, and other bus systems



Further information
about the product



Relays and Solid-State Relays

- Support energy reduction and space savings



Further information
about the product



Cable Entries & USB-Interface Technology

BUS Coupler & Gateways:

- High degree of automation
- Process monitoring / monitoring
- High operational reliability

Panelcon® Keystone IP69K:

- Modular, user friendly



Further information about the product



Valve Connectors

- High protection rating
- Energy reduction with Energy Saver



Further information about the product



M8 & M12 Actuator/Sensor Technology

- High degree of automation



Further information about the product



Cable Glands / Cable Entries

Cable entries:

- High protection rating and mechanical durability, easy to install

Cable glands:

- High protection rating, easy handling



Further information about the product



Cables & Cable Assemblies

Servo cables and assemblies:

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Data and control cables:

- For flexible and highly flexible applications and high mechanical durability



Further information about the product

Reliable power supply for the wine press – worldwide



A leading supplier of wine production technology was searching for a globally deployable power supply unit for its pneumatic grape presses — one that would operate reliably even in remote regions. Scharfenberger Maschinenbau found exactly that at LÜTZE.

The family-owned company from Bad Dürkheim (Germany) has been exporting equipment to wine-growing regions around the world for over 90 years. The EUROPRESS models must operate reliably under a wide range of voltages and

frequencies — even with fluctuating power quality. After extensive testing at international wineries, including in Napa Valley, the LÜTZE Compact power supply series impressed with its high reliability, 95% efficiency, and compact design.

The power supplies are designed for virtually all power grids and carry numerous international certifications — a key advantage for global use.

In addition, Scharfenberger employs other LÜTZE components such as patch cables, valve connectors, and USB sockets for easy installation.

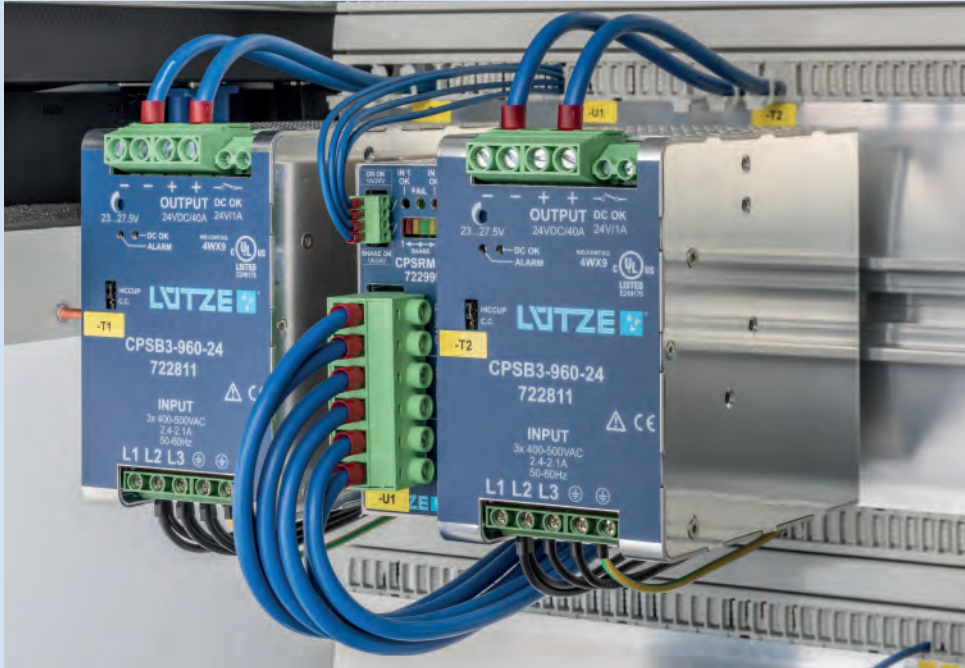
A partnership with regional flair: LÜTZE from Weinstadt and Scharfenberger from the Palatinate — two companies united by technology and a passion for wine.

[Read the full article here](#)



Keyfacts

- **Customer:** Scharfenberger Maschinenbau
- **Location:** Bad Dürkheim / Germany
- **Industry:** Processing machines
- **Machine/Project:** Wine presses
- **LÜTZE Solutions:** Power Supplies, Patch Cable, Valve Connectors, Interface



Products used for this application

Inside Cabinet:



Compact Power Supplies
Power Supply
Part-No.: 722811

Possible additional products for this application

Inside Cabinet:



Tuchel
Motion Grade
Receptacle



Tuchel
heavy I mate® Q

Outside Cabinet:

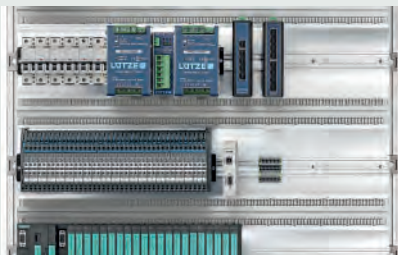


LTW
X-LOK
Ultra High-Density



LTW Circular interface
Mpronto-12 socket & plug:
M12 push-pull connector —
backward compatible

Solutions for Blenders and Mixers



AirSTREAM &

AirSTREAM Compact

- Space savings of up to 30%
- Reduction of control cabinet size
- Shorter production times
- Standardization
- High mechanical durability
- Homogeneous control cabinet climate



Further information
about the product



Selective Load Monitoring

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Further information
about the product



Power Supplies

- Space-saving compact power supplies
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AirBLOWER &

AirBLOWER Compact

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Further information
about the product



Ethernet Infrastructure

Switches / POE Switches:

- High operational reliability
- Easy installation
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Ethernet cables: connection of Ethernet technology / monitoring, EtherCAT, PROFINET, Ethernet, CAN bus, and other bus systems



Further information
about the product



Relays and Solid-State Relays

- Support energy reduction and space savings



Further information
about the product



Cable Entries & USB-Interface Technology

BUS Coupler & Gateways:

- High degree of automation
- Process monitoring / monitoring
- High operational reliability

Panelcon® Keystone IP69K:

- Modular, user friendly



Valve Connectors

- High protection rating
- Energy reduction with Energy Saver



M8 & M12 Actuator/Sensor Technology

- High degree of automation



Further information about the product



Further information about the product



Further information about the product



Cable Glands / Cable Entries

Cable entries:

- High protection rating and mechanical durability, easy to install

Cable glands:

- High protection rating, easy handling



Cables & Cable Assemblies

Servo cables and assemblies:

- According to Siemens®, Allen Bradley®, Bosch®, and soon SEW® standards

Data and control cables:

- For flexible and highly flexible applications and high mechanical durability



heavy I mate®

Heavy-duty rectangular connectors:

- Robust design, high protection level
- High number of contacts, various signal types
- Excellent EMC protection, suitable for outdoor use
- Very reliable locking system

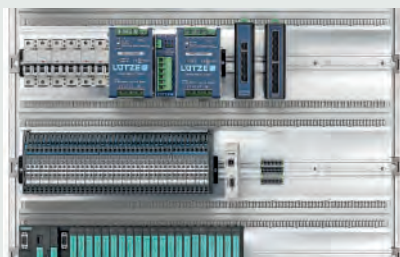


Further information about the product



Further information about the product

Solutions for Drying and Temperature Control



AirSTREAM &

AirSTREAM Compact

- Space savings of up to 30%
- Reduction of control cabinet size
- Shorter production times
- Standardization
- High mechanical durability
- Homogeneous control cabinet climate



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Relays and Solid-State Relays

- Support energy reduction and space savings



Further information
about the product



Cable Entries & USB-Interface Technology

BUS Coupler & Gateways:

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- Process monitoring / monitoring
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Panelcon® Keystone IP69K:

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Valve Connectors

- High protection rating
- Energy reduction with Energy Saver



M8 & M12 Actuator/Sensor Technology

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Further information about the product



Further information about the product



Further information about the product



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Cables & Cable Assemblies

Servo cables and assemblies:

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Data and control cables:

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LTW FLOS

- Metal push-pull circular connectors
- For data, signal, and power transmission

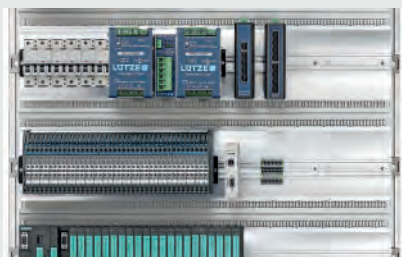


Further information about the product



Further information about the product

Solutions for Handling and Conveying Technology



AirSTREAM &

AirSTREAM Compact

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Further information
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Relays and Solid-State Relays

- Support energy reduction and space savings



Further information
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Cable Entries & USB-Interface Technology

BUS Coupler & Gateways:

- High degree of automation
- Process monitoring / monitoring
- High operational reliability

Panelcon® Keystone IP69K:

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Further information about the product



Valve Connectors

- High protection rating
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Further information about the product



M8 & M12 Actuator/Sensor Technology

- High degree of automation



Further information about the product



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Cable entries:

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Further information about the product



Cables & Cable Assemblies

Servo cables and assemblies:

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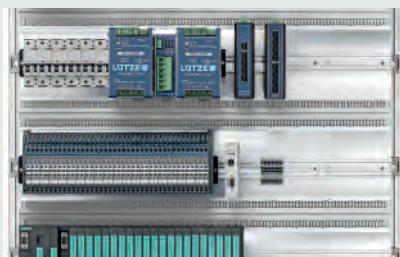
Data and control cables:

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Further information about the product

Solutions for Weighing, Portioning, and Dosing



AirSTREAM &

AirSTREAM Compact

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Further information
about the product



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Valve Connectors

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M8 & M12 Actuator/Sensor Technology

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Further information about the product



Further information about the product



Further information about the product



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Further information about the product



Further information about the product

Flexibility and more space in the cabinet for the packaging specialist



Doselec, a packaging specialist from Falaise in Normandy (France), develops high-precision dosing and packaging systems for food manufacturers such as Danone, Andros, and Lactalis.

The systems combine state-of-the-art flow and volume measurement with brushless motor technology, ensuring maximum dosing accuracy.

By using innovative LÜTZE technology, Doselec was able to significantly improve the quality of wiring and increase assembly

flexibility. The space-saving LÜTZE wiring system enables smaller, integrated control cabinets and allows for last-minute modifications with ease.

Thanks to close collaboration and rapid implementation — from planning to commissioning in just one week — Doselec also benefits from modern LÜTZE components such as compact power supplies, Ethernet switches, and the parameterizable LOCC-Box for current monitoring.

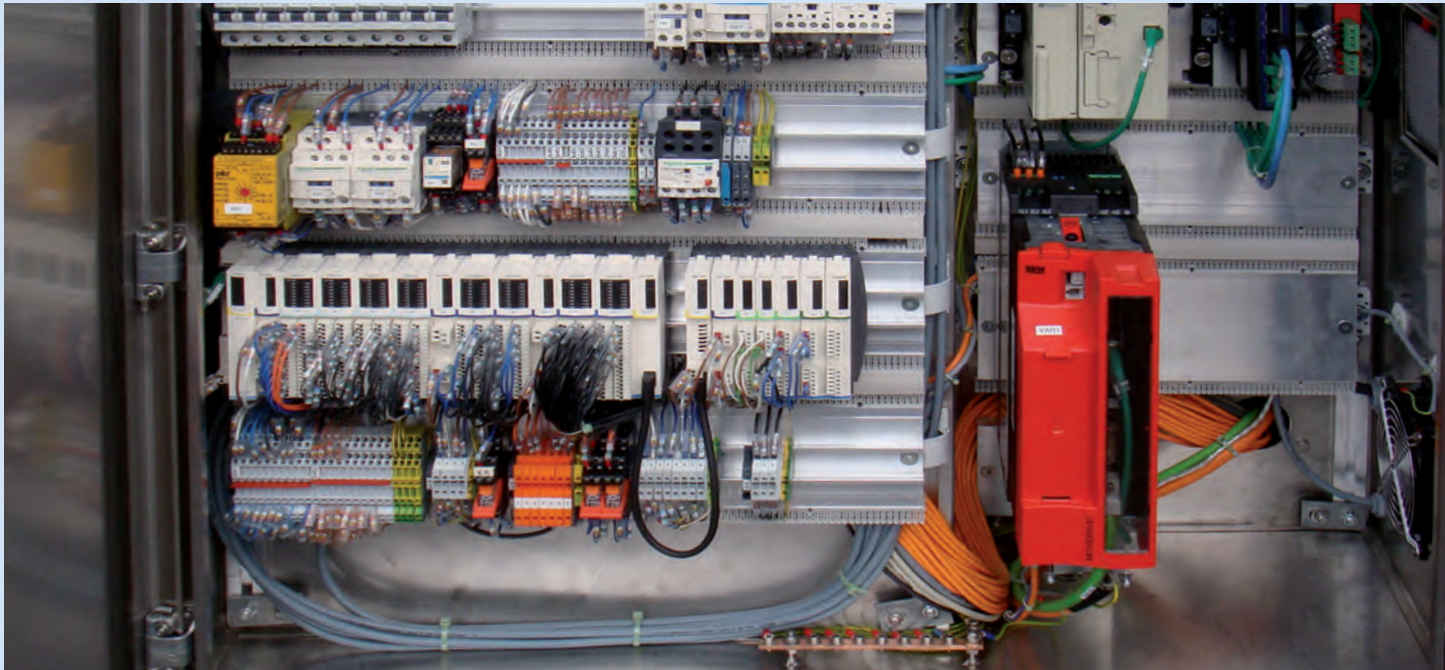
With LÜTZE, Doselec has found a reliable partner for innovative automation solutions and efficient machine wiring.

[Read the full article here](#)



Keyfacts

- **Cusatomer:** Doselec
- **Location:** Falaise / France
- **Industry:** Dosing and packaging systems
- **Maschine/Projekt:** Dosing systems
- **LÜTZE Lösungen im Einsatz:** LÜTZE Wiring System, Power Supplies, Ethernet Switches, LOCC-Box Load Monitoring



Products used for this application

Inside Cabinet:



AirSTREAM
Wiring System



Unmanaged
Ethernet Switch
Part-No.: 722008



Compact
Power Supply
Part-No.: 722818



LOCC-Box
Load Monitoring
Part-No.: 716401

Possible additional products for this application

Inside Cabinet:

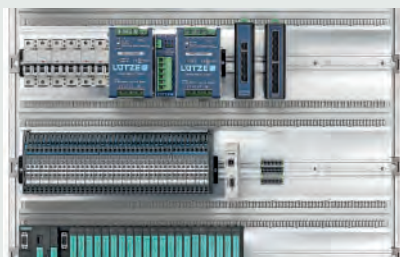


LTW M12-Pronto
Push-Pull M12
Circular connector



LTW IP68
Waterproof USB solutions

Solutions for Packaging Machines and Systems



AirSTREAM &

AirSTREAM Compact

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Relays and Solid-State Relays

- Support energy reduction and space savings



Further information
about the product



Cable Entries & USB-Interface Technology

BUS Coupler & Gateways:

- High degree of automation
- Process monitoring / monitoring
- High operational reliability

Panelcon® Keystone IP69K:

- Modular, user friendly



Further information about the product



Valve Connectors

- High protection rating
- Energy reduction with Energy Saver



Further information about the product



M8 & M12 Actuator/Sensor Technology

- High degree of automation



Further information about the product



Cable Glands / Cable Entries

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Further information about the product



LTW M12-Pronto

Push-Pull M12

Circular connector

Solutions for Filling Systems



AirSTREAM &

AirSTREAM Compact

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Further information
about the product



AirBLOWER &

AirBLOWER Compact

- Reduction of downtime through prevention of hot spots
- Up to 25% energy savings by reducing active cooling demand
- Improvement of the CO₂ footprint
- Homogeneous control cabinet climate
- Reduction of filter mats



Further information
about the product



Ethernet Infrastructure

Switches / POE Switches:

- High operational reliability
- Easy installation
- Process monitoring / monitoring

Ethernet cables: connection of Ethernet technology / monitoring, EtherCAT, PROFINET, Ethernet, CAN bus, and other bus systems



Further information
about the product



Relays and Solid-State Relays

- Support energy reduction and space savings



Further information
about the product



Cable Entries & USB-Interface Technology

BUS Coupler & Gateways:

- High degree of automation
- Process monitoring / monitoring
- High operational reliability

Panelcon® Keystone IP69K:

- Modular, user friendly



Valve Connectors

- High protection rating
- Energy reduction with Energy Saver



M8 & M12 Actuator/Sensor Technology

- High degree of automation



Further information about the product



Further information about the product



Further information about the product



Cable Glands / Cable Entries

Cable entries:

- High protection rating and mechanical durability, easy to install

Cable glands:

- High protection rating, easy handling



Cables & Cable Assemblies

Servo cables and assemblies:

- According to Siemens®, Allen Bradley®, Bosch®, and soon SEW® standards

Data and control cables:

- For flexible and highly flexible applications and high mechanical durability



Further information about the product



Further information about the product

Crystal-clear advantages with *AirSTREAM* cabinet wiring



GM Getränketechnik Gera relies on LÜTZE's *AirSTREAM* Wiring System for its ARCADE GEL 3 bottle cleaning machine – benefiting from greater compactness, improved thermal management, and faster assembly.

By using *AirSTREAM*, the volume of the control cabinets was significantly reduced: instead of 1200 mm and 800 mm, two 800 mm cabinets are now sufficient – and still offer 25% space reserve.

The system integrates wire routing directly into the mounting brackets, eliminating the need for cable ducts, improving air circulation, and increasing stability.

Thanks to the optimized airflow, hotspots and overheating are prevented, which significantly reduces the energy consumption of cooling units and extends the service life of the components.

Assembly time is also greatly reduced, as drilling, cutting, and

installing cable ducts are no longer necessary.

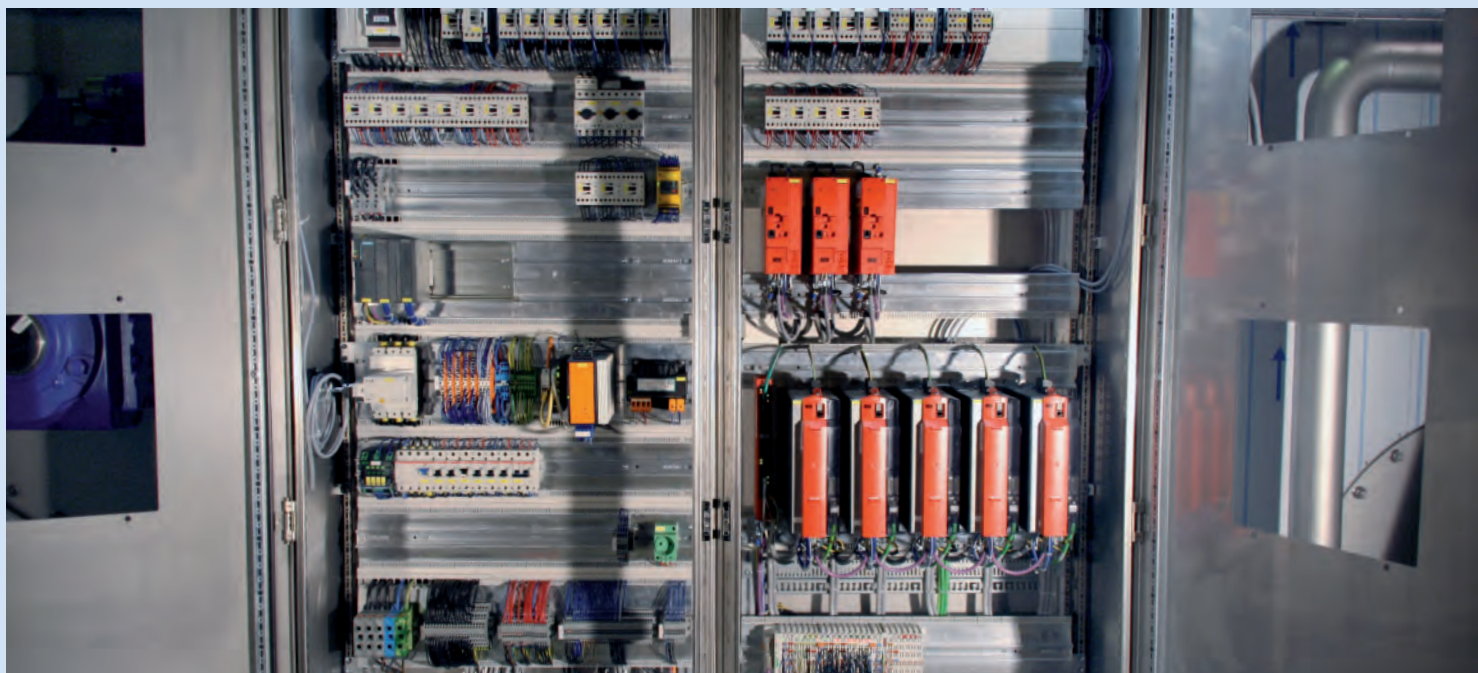
For GM Gera, *AirSTREAM* means less space required, lower operating costs, and greater safety – a clear competitive advantage.

[Read the full article here](#)



Keyfacts

- **Customer:** GM Getränketechnik Gera
- **Location:** Gera / Germany
- **Branche:** Beverage technology
- **Machine/Project:** Filling systems
- **LÜTZE Solutions:** AirSTREAM Wiring System



Products used for this application

Inside Cabinet:



AirSTREAM
Wiring System

Possible additional products for this application

Outside Cabinet:



Tüchel
motion I grade™ M23
Elite Series



LUTZE M12-Pronto
Push-Pull M12
circular connectors

One Cable Technology in the blow molding machine



LÜTZE's One Cable Technology (OCT) hybrid cables demonstrate their strengths across numerous industrial applications — including the blow molding machines of Hesta Blasformtechnik GmbH & Co. KG, whose control systems are developed by KAtsch Automatisierung.

The OCT cables combine power supply and data transmission in a single cable, reducing wiring paths, space requirements, and installation effort — while increasing efficiency and reliability.

KAtsch saves one cable per servo axis, significantly lowering both costs and installation time.

Managing Director Günter Alber praises the high quality, short delivery times, and flexible assembly options provided by LÜTZE — even for small quantities or retrofit projects.

The robust PUR OCT cables are specially designed for drag chain applications: oil- and coolant-resistant, halogen-free, RoHS-compliant, and highly flexible. They offer maximum interference

resistance and long service life, certified according to cURus and UL AWM 21233.

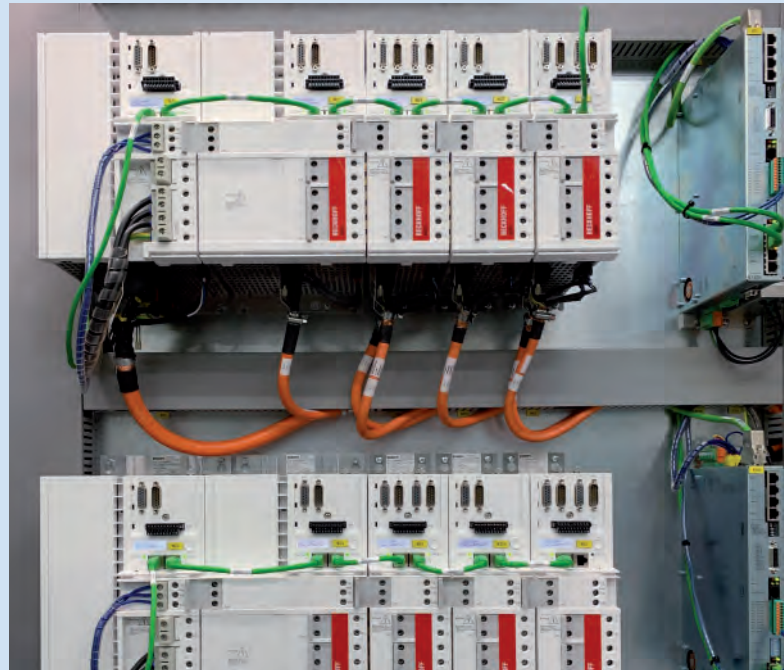
With LÜTZE OCT, two cables become one — for greater efficiency, reduced effort, and maximum operational reliability. It's no surprise that this hybrid technology is rapidly gaining ground in machinery and plant engineering.

[Read the full article here](#)



Keyfacts

- **Customer:** Hesta Blasformtechnik
- **Location:** Schwaebisch Gmuend / Germany
- **Industry:** Blow molding technology
- **Machine/Project:** Blow molding machines
- **LÜTZE Solutions:** PUR-OCT Hybrid Cable



Products used for this application

Inside Cabinet:



LÜTZE OCT
Servo assemblies

Possible additional products for this application

Inside Cabinet:



CONEC Hybrid connector
B12/B17/B23/B40



CONEC Circular connector
M12 with stainless steel
coupling nut

Outside Cabinet:



Mpronto-12
Push-Pull M12
Circular connector



X-LOK
Push-Lock
Circular connector

Notizen

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LÜTZE industry team

Your contacts for food industry and medical technology

In addition to the products, machines, and system types shown, we also offer further solutions for machines and systems not listed.

Our food industry and medical technology team will be happy to provide personal consultation to help you find the right LÜTZE solution for your specific application.



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Cable Solutions

High flexing cables for industrial applications

Connectivity Solutions

Industrial Ethernet, Cable Assemblies,
Actuator Sensor Interface, Connectors and
Suppression Technology

Cabinet Solutions

AirSTREAM complete system for thermally
optimized and space-saving cabinet wiring

Control Solutions

Industrial Power Supplies and Electronic Current
Control for Industrial Internet of Things. Infrastructure
for Industrial Networks, Signal Converter, Relays and
modular Electronics Housing

SkyBLUE
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RoHS

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