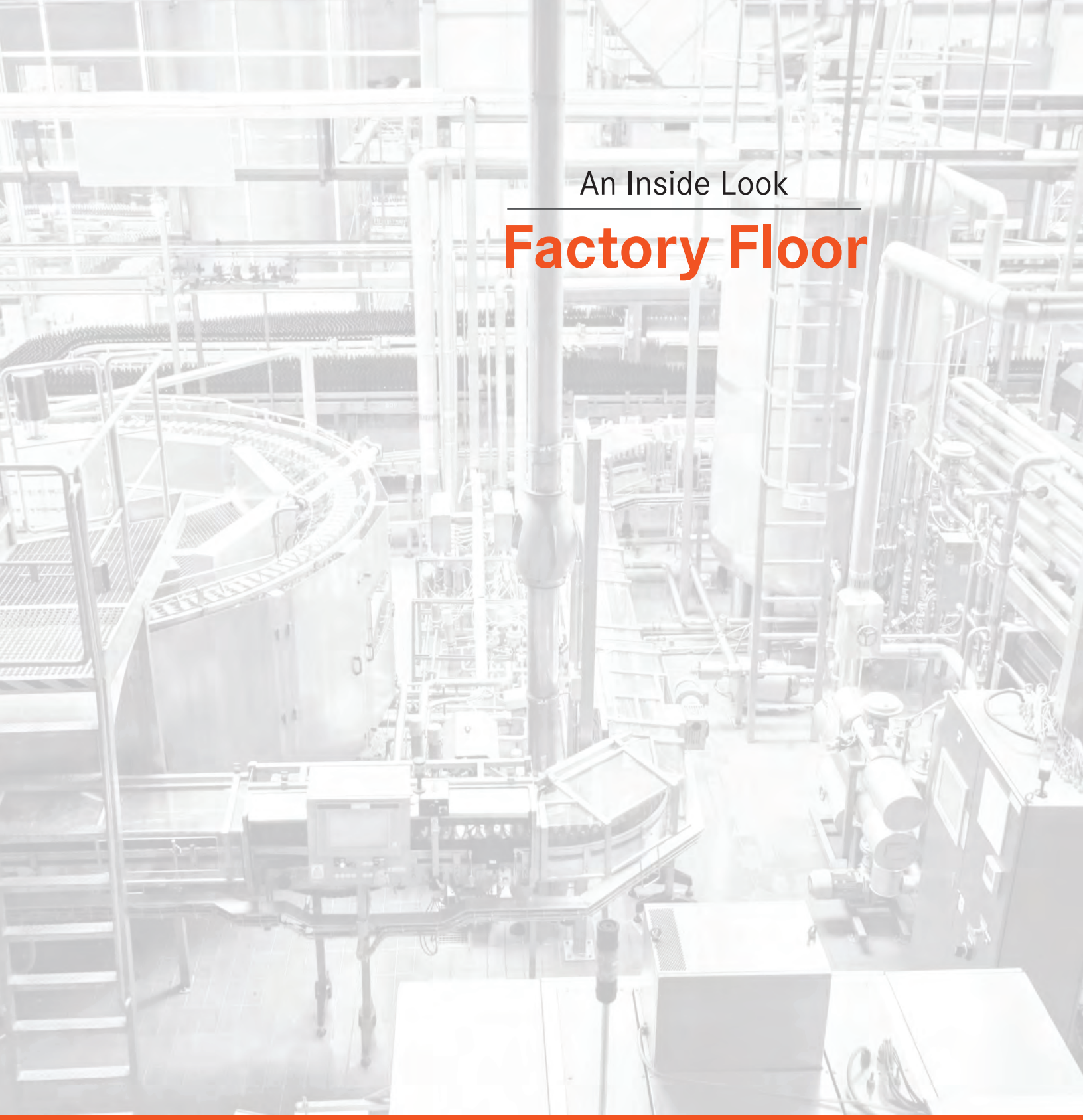
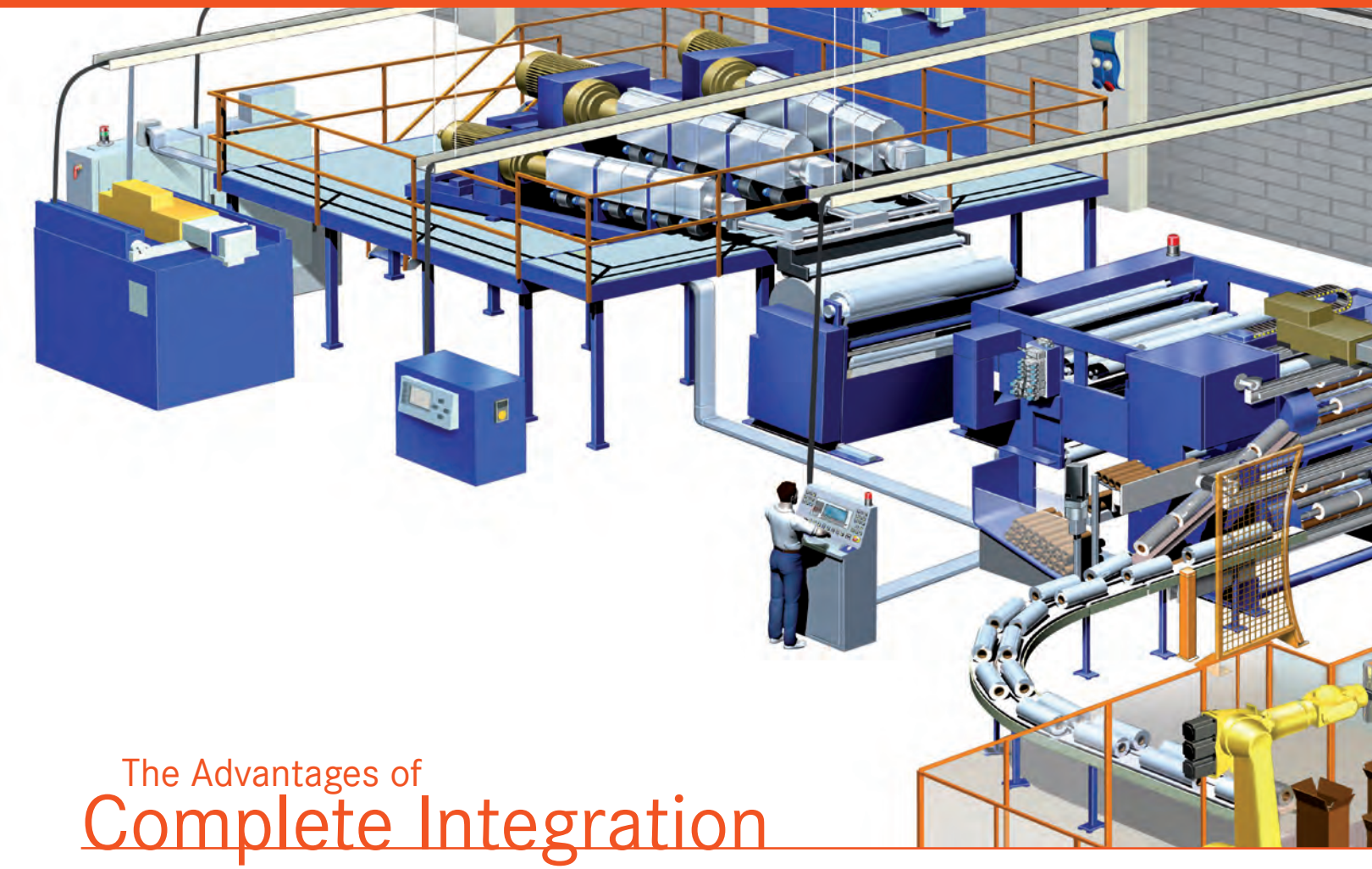


An Inside Look

Factory Floor

CONNECTIVITY SOLUTIONS FOR THE FACTORY FLOOR

LAPP



The Advantages of
Complete Integration

Manufacturers deal with all types of challenging environments that put movable electrical connections to the ultimate test. LAPP products have a proven record of standing up to the most extreme conditions by providing the ideal levels of resistance to vibration, temperature, oil, water, corrosion, and wash-downs. This helps our customers achieve the greatest productivity by decreasing downtime and optimizing uptime.

Companies around the world rely on LAPP's total connectivity solutions to keep their operations running at peak performance. You'll find our products hard at work in an array of industries, including countless industrial and automated manufacturing applications, because we understand the unique challenges found in most industrial environments.

When you choose LAPP, you connect with a single-source provider. You connect with a company built on industry expertise that combines international capabilities with domestic manufacturing, ensuring the utmost in product quality and availability. And you connect with unrivaled product and customer support that is with you every step of the way – from design to delivery!

LAPP's ability to not only manufacture cables, connectors, and cable glands but also provide custom cable assemblies for power, data/signal, and control applications has proven to be more than a match for the demands of today's factories, both old and new.

EXTENSIVE RESOURCES TO HELP YOUR BUSINESS MOVE FORWARD

LAPP is headquartered in a 130,000 square foot facility in Florham Park, New Jersey, which houses our state-of-the-art cable manufacturing plant. Our in-house testing lab – unique in the industry – is a member of the UL Client Data Program. You'll find our products hard at work in countless industrial and automated manufacturing applications across the country and around the world.

BRAND QUALITY FOR THE RIGHT CONNECTION

ÖLFLEX®
Power & control cables

EPIC®
Industrial connectors

UNITRONIC®
Data transmission systems

SKINTOP®
Cable glands

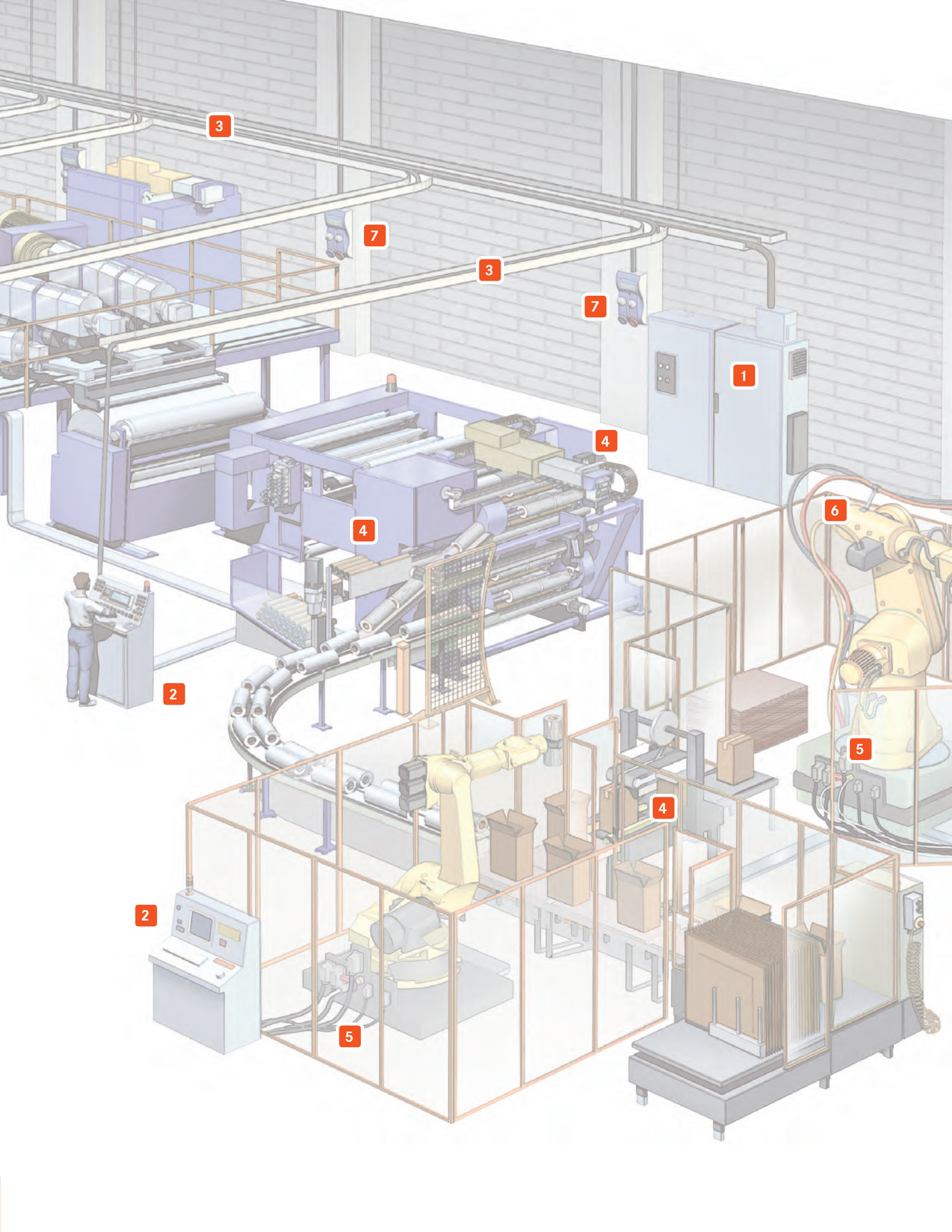
ETHERLINE®
Ethernet data transmission systems

SILVYN®
Protective cable systems

HITRONIC®
Optical data transmission systems

FLEXIMARK®
Marking systems

LAPP's domestic manufacturing and coast-to-coast network of logistics centers allow us to provide greater inventory, product flexibility, and the ability to meet your needs quickly.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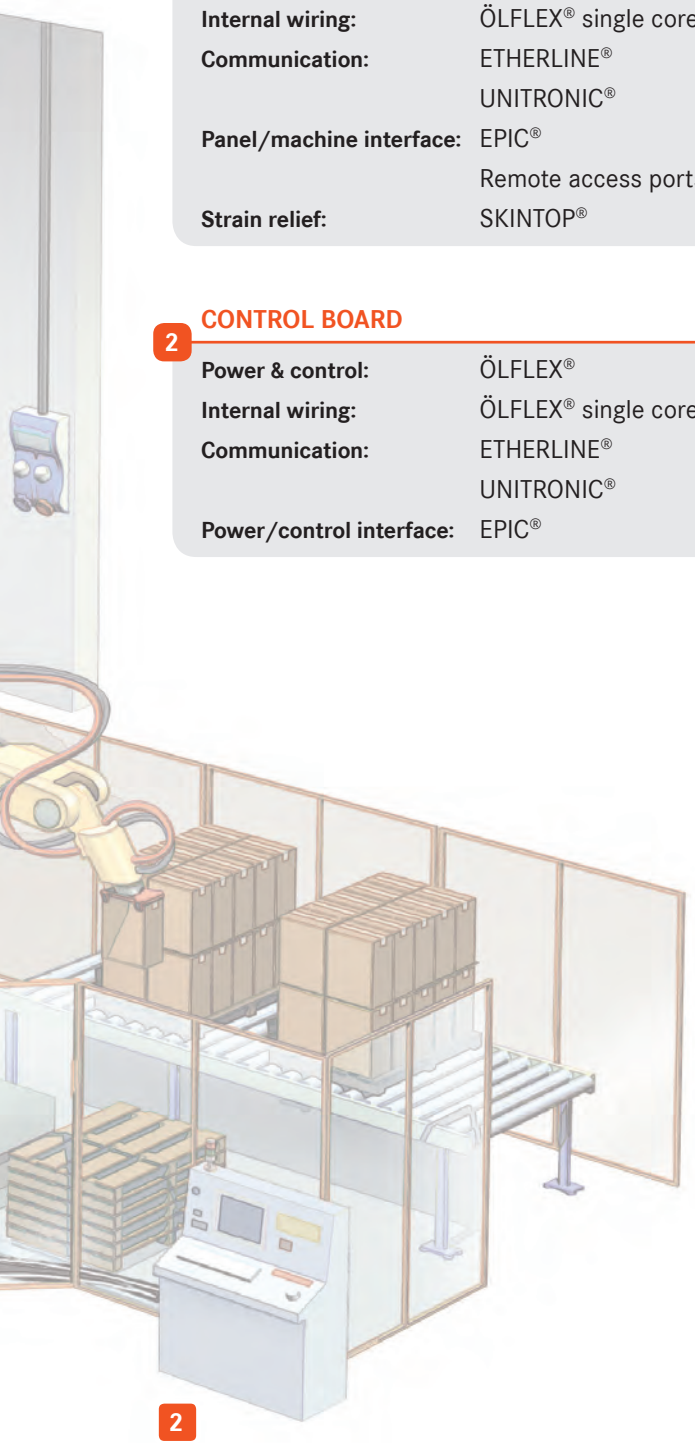
1 MAIN CONTROL BOX

Power & control:	ÖLFLEX®
Internal wiring:	ÖLFLEX® single core
Communication:	ETHERLINE®
	UNITRONIC®
Panel/machine interface:	EPIC®
	Remote access ports
Strain relief:	SKINTOP®

2 CONTROL BOARD

Power & control:	ÖLFLEX®
Internal wiring:	ÖLFLEX® single core
Communication:	ETHERLINE®
	UNITRONIC®
Power/control interface:	EPIC®



2

3 CABLE TRAY

Power & control:	ÖLFLEX®
Communication:	ETHERLINE®
	UNITRONIC®
Cable protection:	SILVYN®

4 MOTORS, DRIVES & CABLE TRACKS

Power & control:	ÖLFLEX®
	ETHERLINE®
	UNITRONIC®
Supply drives & control:	ÖLFLEX®
	ÖLFLEX® CONNECT SERVO
Feedback system:	ÖLFLEX®
	ÖLFLEX® CONNECT SERVO
Power/control disconnect:	EPIC®
All of the above:	ÖLFLEX® CONNECT CHAIN

5 ROBOT BASE

Control system:	ÖLFLEX®
	ETHERLINE®
	HITRONIC®
Power supply:	ÖLFLEX®
Signal transmission:	ETHERLINE®
Power/control/data interface:	EPIC®
	ÖLFLEX® CONNECT CABLES
Strain relief:	SKINTOP®
Cable protection:	SILVYN®

6 ROBOT ARM

Tool control:	ÖLFLEX®
Camera system:	ETHERLINE®
Sensor/actuator:	ÖLFLEX®
	UNITRONIC®
Servo power & feedback:	EPIC® circular
Strain relief:	SKINTOP®
Cable protection:	SILVYN®

7 POWER OUTLETS

Switched/interlocked supply:	EPIC® pin & sleeve
Strain relief:	SKINTOP®

ÖLFLEX®
Power & control cables

ÖLFLEX® 190

ÖLFLEX® 190 CY

Extremely oil-resistant flexible control cable with UL TC

ÖLFLEX® 890

ÖLFLEX® 890 CY

Super flexible heavy duty continuous flex control cable

ÖLFLEX® TRAY II

ÖLFLEX® TRAY II CY

Extremely oil-resistant flexible tray cable with UL & CSA

ÖLFLEX® CONTROL TM

ÖLFLEX® CONTROL TM CY

Oil-resistant flexible control cable with UL MTW & UL/CSA TC

ÖLFLEX® VFD 2XL

Flexible VFD cable 600V/1000V/2000V with TC approval

ÖLFLEX® SERVO FD 7DSL

Flexible hybrid servo cable for drive, motor & feedback system

ÖLFLEX® SERVO FD 796 CP

High-acceleration continuous flex servo cable

ÖLFLEX® SERVO FD 798 CP

High-acceleration continuous flex encoder & resolver cable

ÖLFLEX® ROBOT F1

Robotic cable for flexing & torsion motion

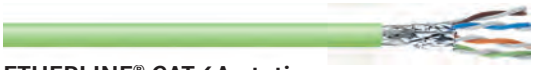
Multi-Standard <HAR> hook-up wire

Type H05V-K & H07V-K

ETHERLINE®
Industrial Ethernet components

ETHERLINE® TRAY CAT.5e

Tray-rated 4-pair industrial Ethernet cable



ETHERLINE® CAT.6A stationary

4-pair industrial Ethernet cable for stationary applications

RJ45 CAT.5e connector for PROFINET®

Industrial Ethernet connector conforming to PROFINET standards

M12 field wireable connectors

Field wireable connectors for industrial Ethernet applications

EPIC® MC modular inserts

Customizable RJ45 Ethernet connector for harsh environments

UNITRONIC®
Data communication systems

UNITRONIC® BUS DeviceNet™ FD

Continuous flex cable for DeviceNet bus systems

UNITRONIC® 300

Multi-conductor 300V signal & control cable

UNITRONIC® 190

Multi-conductor, multi-pair 300V signal & control cable

UNITRONIC® LiYCY (TP)

Multi-conductor, multi-pair low voltage communication cable

PROFINET is a registered trademark of PROFIBUS & PROFINET International (PI).
DeviceNet is a trademark of ODVA, Inc.

EPIC®
Industrial connectors

rectangular connectors for power • control/signal • data

EPIC® HB ULTRA housings
Connector housings for protection against weather, corrosion, and electrical noise

EPIC® HBE inserts
Inserts for medium power and control

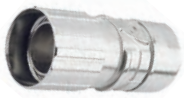
EPIC® HA inserts
Inserts for compact power and control

EPIC® MC modular inserts
Modular design for custom configurations from standard components

Remote access ports
Adaptable ports for easy access to a PLC or industrial computer device

circular connectors for power • control/signal

EPIC® POWER LS1
Circular connector for power and mixed power/control applications



EPIC® SIGNAL M23
Circular connector for signal/feedback and low-power applications

pin & sleeve connectors for power

EPIC® CEE & MULTIMAX
Power connectors with an emphasis on operator safety

EPIC® ULYSSE
Switched power outlet with mechanical interlock; eliminates arc-flash

SKINTOP®
Strain relief cable glands

SKINTOP® SLN
Non-metallic strain relief

SKINTOP® MS-SC
Nickel-plated brass gland for EMC applications

SKINTOP® MS BRUSH
Nickel-plated brass gland for EMC applications

SKINTOP® MULTI
High-density multi-cable bushing system

SILVYN®
Protective cable conduit

SILVYN® RILL PA 6
Non-metallic flexible quick-connect conduit system

SILVYN® KLICK-G
Conduit connectors for SILVYN® RILL conduit

ÖLFLEX® CONNECT
Systems solutions made by LAPP

ÖLFLEX® CONNECT CABLES
Custom assembled cable solutions

ÖLFLEX® CONNECT SERVO
Assembled servo cable systems built to industry standards

ÖLFLEX® CONNECT CHAIN
Custom engineered drag chain systems

ÖLFLEX®

UNITRONIC®

EPIC®

SKINTOP®

ETHERLINE®

HITRONIC®

SILVYN®

FLEXIMARK®

For more information or to connect with your local
Lapp Group representative please visit
lappgroupna.com

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