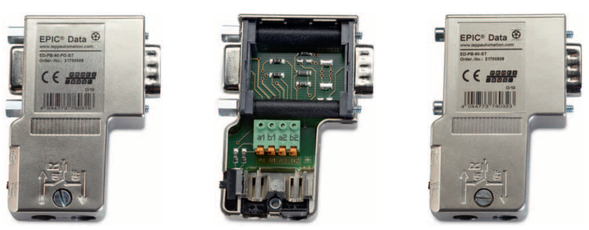
AUTOMATION & NETWORK AT A GLANCE

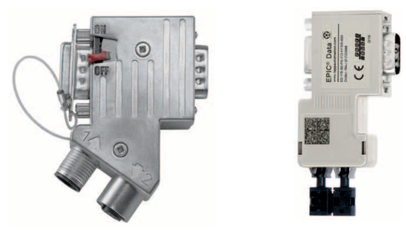
EPIC® Data

EPIC® Data PROFIBUS Connectors 90° Screw Terminals 3b

EPIC® Data PROFIBUS Connectors 90° M12 3b

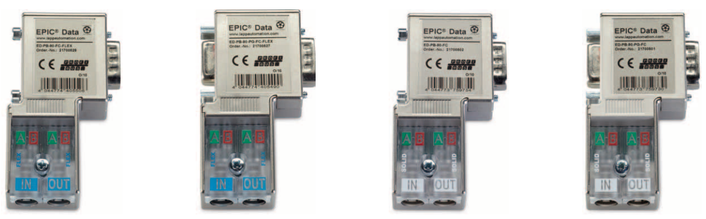


EPIC® Data PROFIBUS Connectors 90° Spring type 3b



EPIC® Data PROFIBUS Connectors 35° M12 full-metal 3b

EPIC® Data optical link module 3b



EPIC® Data PROFIBUS Connectors 90° Fast Connect 3b

UNITRONIC® BUS

UNITRONIC® BUS PB – PROFIBUS 8

UNITRONIC® BUS PB FD P FC – PROFIBUS high flexible 6

UNITRONIC® BUS PB FESTOON – PROFIBUS 9

UNITRONIC® BUS PB TORSION – PROFIBUS 4

UNITRONIC® BUS CAN – CAN and CANopen 8

UNITRONIC® BUS CAN FD P – CAN and CANopen high flexible 6

UNITRONIC® BUS ASI FD – AS-Interface high flexible 6

UNITRONIC® BUS ASI – AS-Interface 5

HITRONIC®

HITRONIC® POF DUPLEX PE 8

HITRONIC® POF DUPLEX PE-PUR 8

HITRONIC® HDM Reel 9

HITRONIC® HQN Outdoor 1

HITRONIC® HQW Armoured Outdoor 1

HITRONIC® HUN Universal 1

HITRONIC® HRH Breakout 2a 2b

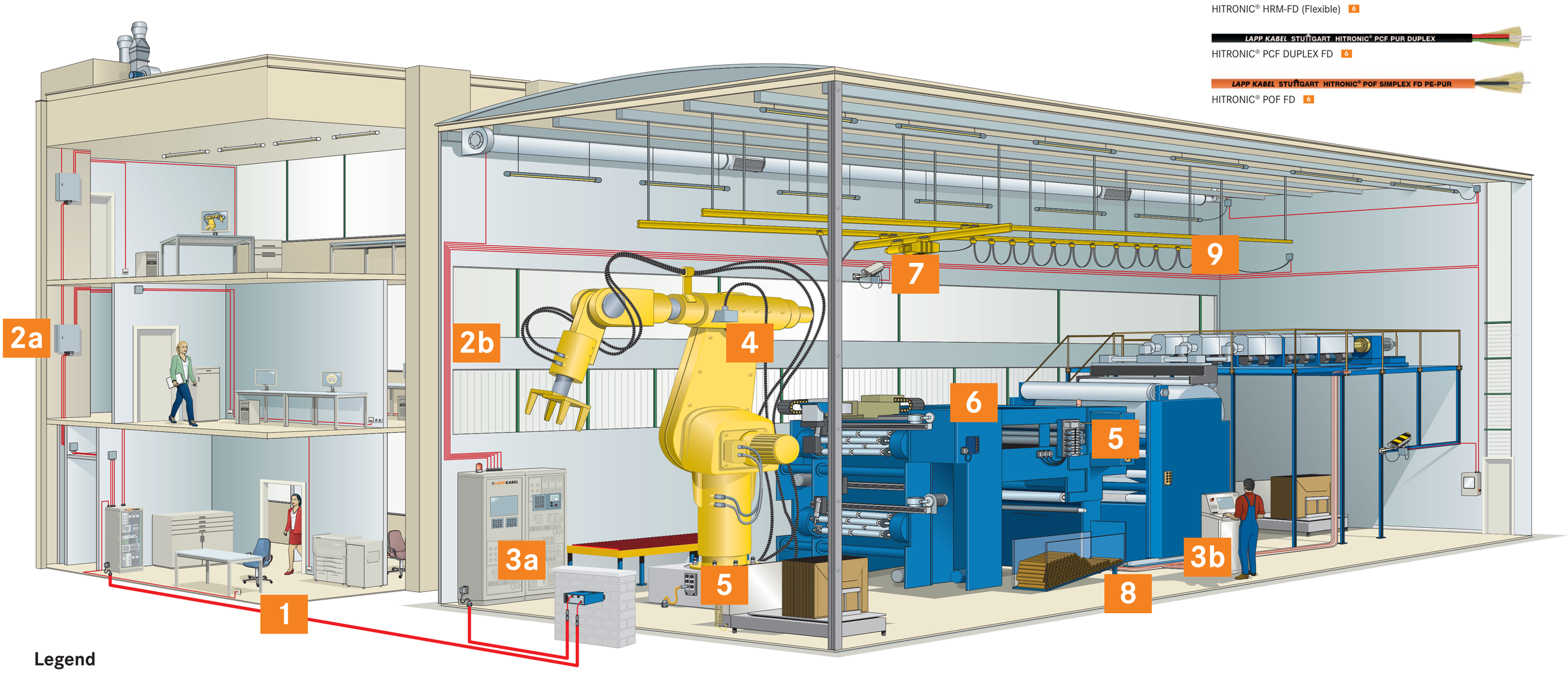
HITRONIC® HDH Mini Breakout 2a 2b

GOF Patchcord 3a

HITRONIC® HRM-FD (Flexible) 6

HITRONIC® PCF DUPLEX FD 6

HITRONIC® POF FD 6



Legend

1 = Interbuilding network/campus network
2a = Floor network distribution
2b = Intrabuilding network distribution
3a = Main network server
3b = Control station
4 = Robotics
5 = S/A distribution
6 = Drag chain
7 = Surveillance network
8 = Intermachine cabling
9 = Festoon application

Photographs are not to scale and do not represent detailed images of the respective products.

UNITRONIC® Fieldbus

BUS M12 connectors that can be assembled 3a 3b 6 8

Field mountable S/A connectors M12 5

AS-Interface Distributor 5

S/A cable: M12 connector on M8 socket 5

S/A cable: M12 socket on free conductor end 5

S/A M12 flush-type connectors with M16 fastening thread 3a 3b

PROFIBUS I/O Modules 5

CANopen I/O Modules 5

AS-Interface I/O Modules (IP67) 5

S/A-box with M12 slots and master cable 5

AS-Interface I/O Modules (IP30) 5

ETHERLINE®

UNITRONIC® LAN OUTDOOR 1

UNITRONIC® LAN 1000 S/FTP Cat.7 2a

UNITRONIC® LAN FLEX 2a

UNITRONIC® LAN 1500 S/FTP Cat. 7_A 2a

ETHERLINE® Cat.5e FD 2-pair/4-pair 6 7

ETHERLINE® PN Cat.5 3a 3b

ETHERLINE® PN Flex 3a 3b 8

ETHERLINE® Cat.5e Flex 2-pair/4-pair 2b 3a 3b 8

ETHERLINE® Cat.5e 2b 8

ETHERLINE® PN Cat.5 FD 6

ETHERLINE® CAT.6 FD 6

Industrial Ethernet Patchcord 3a 3b 8

Module RJ45 fieldmountable 3a 3b 6

Connector RJ45 Cat.6_A fieldmountable 3a 3b 6

LAPP GROUP

www.lappgroup.com

Image source title: iStockphoto

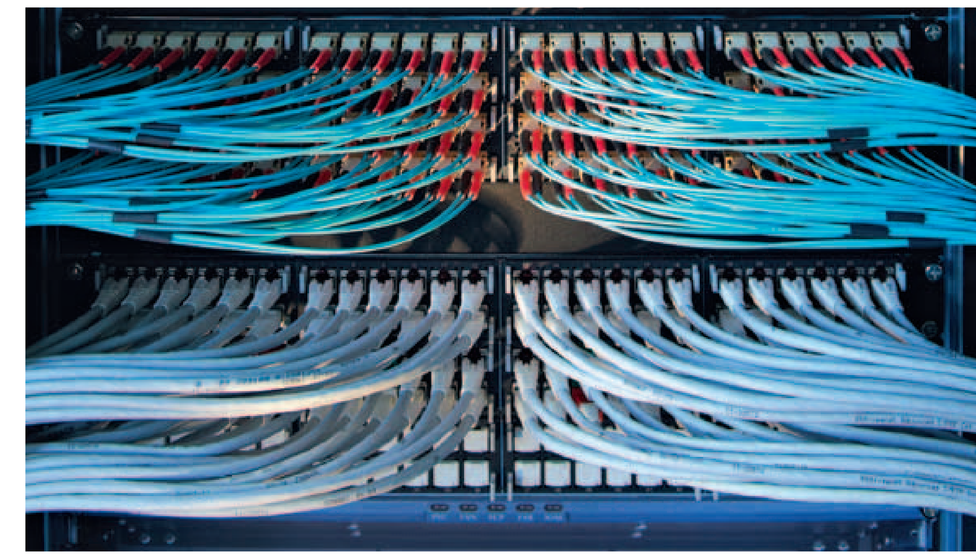
Firmly established: the Lapp Group

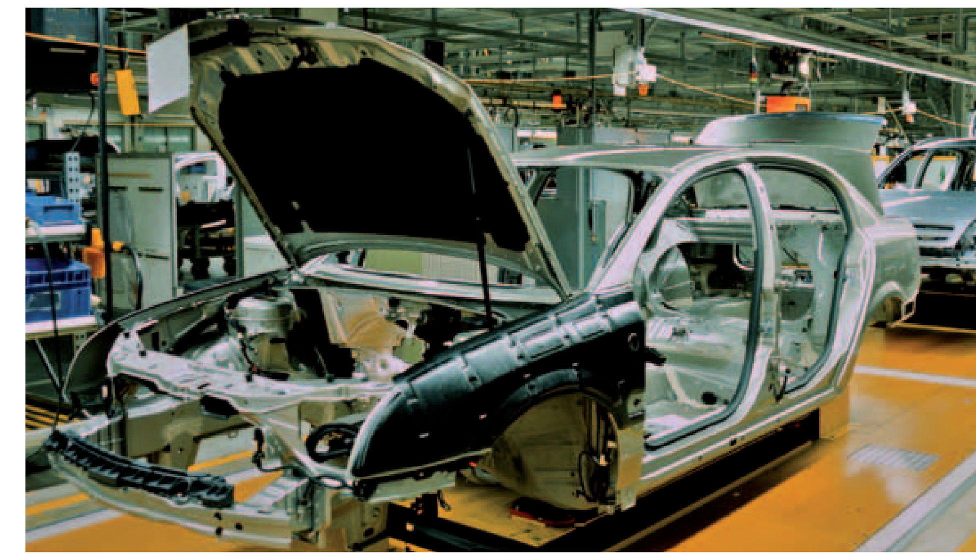
3,000 employees worldwide, 15 production sites around the globe, 41 sales companies and around 100 local branches abroad – when it comes to the size and importance of a company, numbers often speak louder than words.

Despite all this international growth, the consortium founded in 1959 is to this day family-owned – and based in Stuttgart, where it was founded.

We are one of the leading providers of integrated solutions and branded products for cable and connection technology based in Stuttgart, and in our portfolio you will find the right solution for virtually every application: whether it be simply cable or highly flexible cable; industrial connectors or screw technology; customised system solution, automation technology or technical accessories.

Automation & Network made by Lapp





Trust is good. Testing is better.

Welcome to the Lapp lab

Our laboratory is a fundamental part of the technical development at U.I. Lapp GmbH. International test orders from the entire Lapp Group are carried out here in Stuttgart. Whether it be inspections on cables, cable glands or connectors.

Example: in order to ensure reliable use in drag chains or robots, our highly flexible cables are tested here for their suitability for continuous flexing uses.

In the Lapp laboratory, newly developed products are put through their paces, while others are prepared for approvals. Series products are also checked on the test bench to ensure a consistently high level of quality, and customised resistance tests are carried out.

What we're best at testing:

- **Heat, cold and climate tests for ageing resistance**
- **IP Protection Rating tests**
- **Static and dynamic pulling protection testing**
- **Resistance tests**
- **Application-related inspections**
- **Carrying out electrical tests**
- **Materials analyses**
- **Climatic tests**

You make demands – we provide the answer

Your demands are as high as ever – our developments fulfil even the highest quality requirements. Because our branded products – varied as they may be – always include two inherent components: expertise and innovation.

Recipe for success – in-house production
Our developments also belong to us. That's why we manufacture our products at Lapp Group locations. We focus on our own global manufacturing competence at 15 production facilities – whether in America, Europe or Asia.

For us, good is not good enough
We ourselves are our sharpest critics. Our products are therefore subjected to unique quality standards, which go far beyond the standard requirements that are generally applicable. This is how we ensure our customers always get the best quality.

Customised tests for all our customers – including you
Special applications require special test runs. We are delighted to put your products to tests which have been determined by you. This ensures that you get the right answer for your individual demands.

Brand quality from Stuttgart

ÖLFLEX®
Power- and control cables
The world's first brand cable is available in the most varied of versions to match maximum requirements.
Key features: Oil-resistant, flexible and available to match almost any requirement or environmental condition – also free of halogens.
Fields of application: Multipurpose. Special variants are more and more in demand in the area of renewable energies.

EPIC®
Industrial connectors
The brand for strong and reliable connections.
Key features: Robust square and circular connectors. Flexible system consisting of housings, inserts, contacts and accessories – for every requirement, the tailor-made solution. Similarly, EPIC® SOLAR plugs for photovoltaics are also part of the extensive product range.
Fields of application: Mechanical and systems engineering, drive technology, Automation.

UNITRONIC®
Data communication systems
The ideal brand for fast, trend-setting and reliable data transfer.
Key features: UNITRONIC® are not only data lines, but also bus lines, which together with active sensor/actuator modules or gateways provide a perfect system for automation.
Fields of application: Measurement, control, regulation, bus or LAN networks.

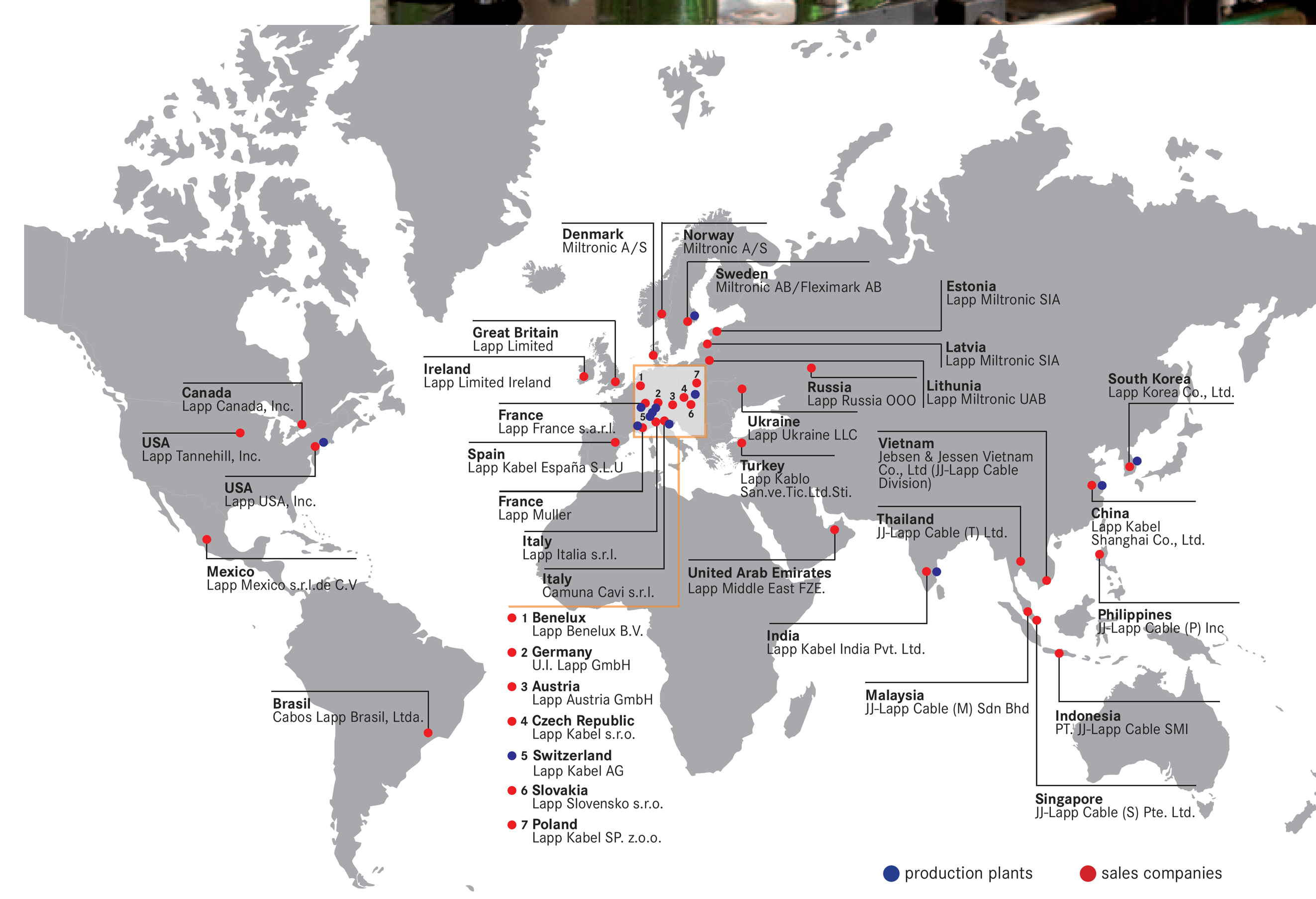
SKINTOP®
Cable glands
The brand for multipurpose cable entries in line with the following: quickly fastened, centred and hermetically sealed.
Key features: Large clamping areas, optimum strain reliefs, the most diverse of versions such as SKINTOP® CLICK, COLD or CUBE.
Fields of application: Everywhere, where cables must be fastened reliably and quickly.

ETHERLINE®
Data communication systems for ETHERNET-Technology
The brands for network solutions, safety systems and firewalls in the industrial networking sector.
Key features: System solutions consisting hardware, software, consulting, network design and support.
Fields of application: Factory automation, Renewable Energy, Building technology, Structured cabling.

SILVYN®
Protective cable conduit- and cable carrier systems
The brand for all-round cable protection.
Key features: The product range includes SILVYN® cable protection hoses for perfect protection against mechanical and chemical loads, along with SILVYN® CHAIN energy supply chains for highly-dynamic applications.
Fields of application: Everywhere that cables have to be additionally protected or routed.

HITRONIC®
Optical transmission systems
The brand for split-second, fault-free, intercept-free data transport.
Key features: The HITRONIC® product range includes fibre optic cables in the most varied of versions, along with suitable accessories such as splice boxes, wall distributors or couplings.
Fields of application: Office and industrial sector, Renewable Energy.

FLEXIMARK®
Marking systems
The brand for permanent, clearly-arranged cable markings.
Key features: Comprehensive range – from manual labelling solutions onto digital identification. Withstands high chemical, thermal and mechanical loads.
Fields of application: All cable, single cores, control cabinets.



At home in Stuttgart, but known all over the world

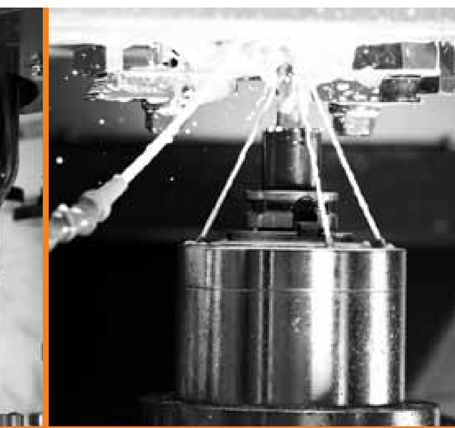
The World of Lapp is based in Stuttgart. This is where it all started for our company, which was founded in 1959 as U.I. Lapp KG (now U.I. Lapp GmbH). From its headquarters in Stuttgart we have determinedly evolved to become a global player – with currently 15 production plants in Europe, Asia and America, 41 sales companies, more than 100 sales partners and 3,000 employees. The larger Lapp companies such as Russia, India, China, Canada and Mexico have their own warehouses. The others are promptly supplied through our high-performance logistics centres. At our Lapp Centres we are also strongly committed to enhancing the knowledge of our employees and customers. After all, knowledge is the ink with which the future is written down.

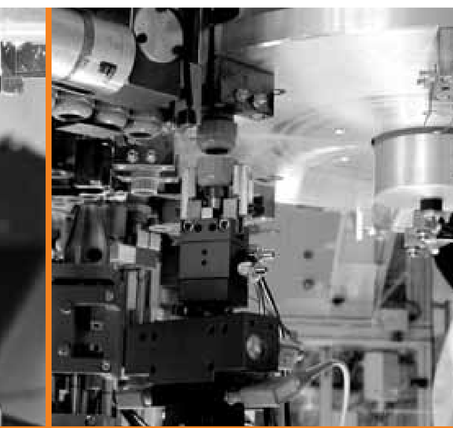
One of our most successful "products" is that of proximity to our customers. On the one hand, we practice intensive dialogue with designers and planners, manufacturers and users. This enables us to identify new requirements and trends at a much earlier stage, to quickly provide you with suitable solutions. Innovation leadership put into active practice.

On the other hand, proximity to our customers really means something to us: our presence extends all round the globe. As a reliable partner on a local basis we support our customers in exploiting markets by providing them with short delivery times and low logistics costs.

Our current addresses see
www.lappgroup.com/worldwide

LAPP GROUP





THE WORLD OF LAPP

Automation & Network at a glance

AVS Stuttgart

ÖLFLEX®
UNITRONIC®
ETHERLINE®
HITRONIC®
EPIC®
SKINTOP®
SILVYN®
FLEXIMARK®

11 / 12.7.500.91110861

Terms of Trade:
Our general conditions of sale can be downloaded from our website
www.lappgroup.com/terms

LAPP GROUP
www.lappgroup.com

To contact your local Lapp Group representative please visit **www.lappgroup.com/worldwide**