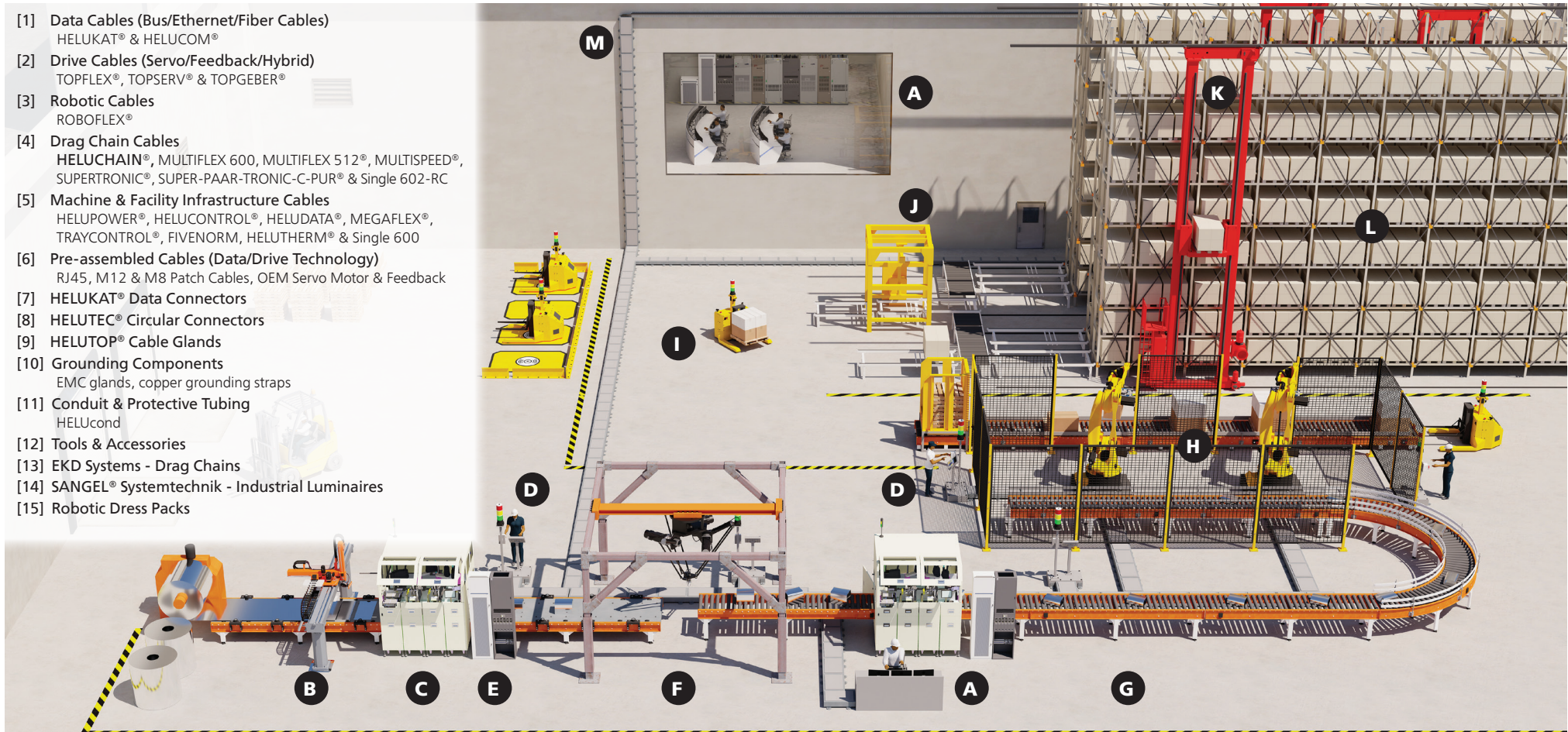


# Electrical System Solutions for Industrial Automation

- [1] Data Cables (Bus/Ethernet/Fiber Cables)  
HELUKAT® & HELUCOM®
- [2] Drive Cables (Servo/Feedback/Hybrid)  
TOPFLEX®, TOPSERV® & TOPGEBER®
- [3] Robotic Cables  
ROBOFLEX®
- [4] Drag Chain Cables  
HELUCHAIN®, MULTIFLEX 600, MULTIFLEX 512®, MULTISPEED®,  
SUPERTRONIC®, SUPER-PAAR-TRONIC-C-PUR® & Single 602-RC
- [5] Machine & Facility Infrastructure Cables  
HELUPOWER®, HELUCONTROL®, HELUDATA®, MEGAFLEX®,  
TRAYCONTROL®, FIVENORM, HELUTHERM® & Single 600
- [6] Pre-assembled Cables (Data/Drive Technology)  
RJ45, M12 & M8 Patch Cables, OEM Servo Motor & Feedback
- [7] HELUKAT® Data Connectors
- [8] HELUTECH® Circular Connectors
- [9] HELUTOP® Cable Glands
- [10] Grounding Components  
EMC glands, copper grounding straps
- [11] Conduit & Protective Tubing  
HELUcond
- [12] Tools & Accessories
- [13] EKD Systems - Drag Chains
- [14] SANGEL® Systemtechnik - Industrial Luminaires
- [15] Robotic Dress Packs



## **A Control Station**

Key point for controlling and monitoring manufacturing and logistics processes.

[1] [2] [5] [6] [8] [9] [12]

## **B Laser Cutting Machine**

System for separating workpieces using laser radiation.

[1] [2] [4] [5] [6] [7] [8] [9] [12] [13] [14]

## **C Machining Centre**

Machine tool containing several functions such as turning, milling and drilling.

[1] [2] [4] [5] [6] [7] [8] [9] [10] [11] [12] [13] [14]

## **D Control Panel**

Stationary or mobile device with display and/or keyboard for operating machines and systems.

[1] [3] [6] [8] [9] [11] [12]

## **M Cable Trays**

Load-bearing structure made of sheet metal or plastic for routing and protecting cables and wires.

[1] [2] [5] [11] [12]

## **E Switch Cabinet**

Contains all electrical and electronic components that are not directly installed in the machine or system.

[1] [2] [5] [6] [7] [8] [9] [10] [11] [12] [14]

## **F Pick & Place Area**

Device that independently grips, sorts and places goods or workpieces.

[1] [2] [4] [6] [7] [8] [9] [13] [14]

## **G Conveyor System**

Stationary conveyor system for transporting various goods or workpieces.

[1] [2] [5] [6] [7] [8] [9] [10] [11] [12]

## **H 6-Axis Robot**

Articulating robotic arm with six axes of movement for carrying out a wide range of movements and tasks.

[1] [2] [3] [4] [6] [7] [8] [9] [10] [11] [12] [13] [15]

## **I Automated Guided Vehicles**

Mobile transporter with its own travel drive, which is automatically controlled and guided without contact.

[1] [2] [5] [6] [8]

## **J Labeling Area**

Used to apply barcodes or labels to goods and workpieces.

[1] [4] [5] [6] [8] [9] [12] [13] [14]

## **K Stacker Crane**

Rail-guided, single-track vehicle used to store and retrieve goods in a high-bay warehouse.

[1] [2] [4] [5] [6] [7] [8] [9] [12] [13]

## **L High-bay Warehouse**

Storage area with permanently installed shelving units where goods or workpieces are stored vertically.

[1] [2] [4] [5] [7] [8] [9] [12] [13]

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