



# L-PICK<sup>®</sup>

Paperless Order Fulfilment



pick to light  
systems

# Paperless

order preparation solutions

LPICK hardware optimizes order preparation ; it eliminates the use of paper, increases productivity and reduces errors to a minimum.

LPICK devices guide the operator by means of light signals, and show exactly the position and quantity to gather (pick-to-light) or deposit (put-to-light).

LPICK is a very flexible and innovative solution employed both in distribution and manufacturing processes (assembly/mounting).



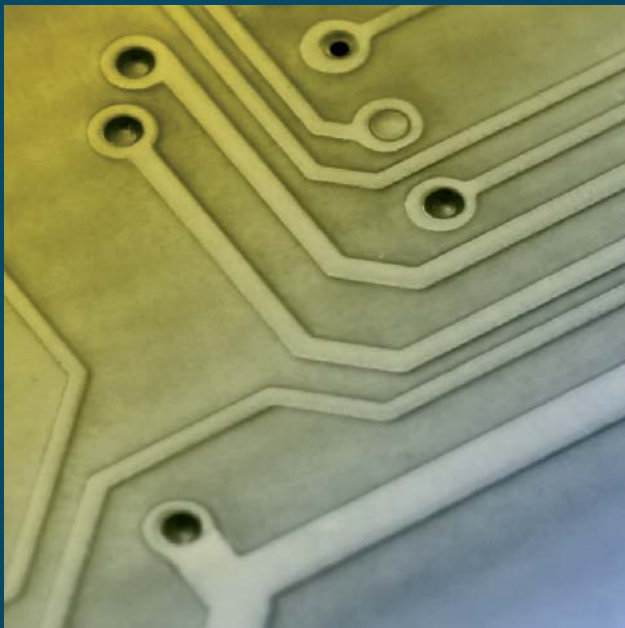
# Visible Results



- > **Eliminates paper use.**
- > **Greater productivity.**
- > **Greater speed:** significantly reduces runtime execution.
- > **Precision,** avoids errors.
- > **Formation not required,** intuitive work method.
- > Unbeatable **simplicity, reliability and flexibility.**
- > **Competitive installation and maintenance.**
- > **Custom-built systems,** easy to integrate into any operative or work environment.
- > **Improves management levels and service quality.**
- > **Monitoring** capabilities (progress, production ratios, tracking).
- > **Fast return on investment.**

# Technology

## Ai-net (Reduced Wiring System)



AI-NET is a communication network developed by AIOI SYSTEMS Co., Ltd, based on the principle of data transmission and electricity through a 2 wires, half of what is usually employed.

It employs a tiny chip that it is easily installed in any device and that allows integrated control of different devices from just one PC.

The chip's reversible polarity function eliminates installation errors, reducing time and cost in the installation process as well as in system maintenance.

# DPS

## System Structure

### CONTROLLER

- Receives commands from the PC and then controls the respective operations at the AI-NET.
- PCI Bus, Serial (RS-232C) and Ethernet Controllers are available.

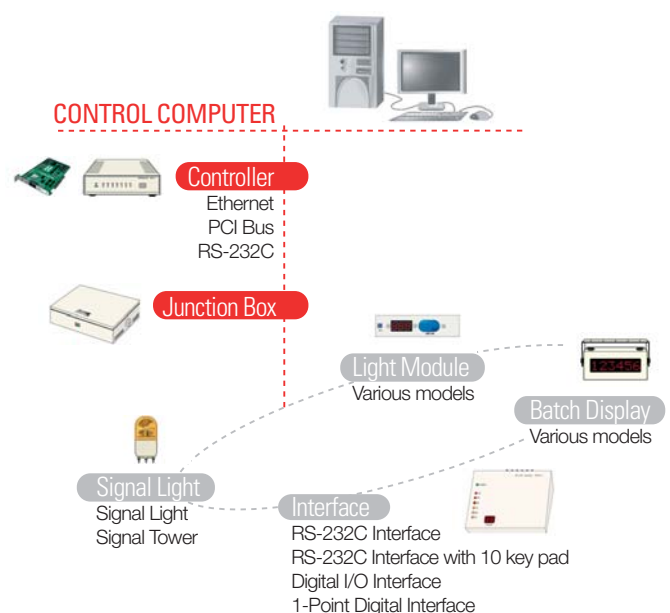
### JUNCTION BOX

Performs high speed data communication, supplies power and operates communication interface to each light module, batch display, signal light and interface unit.

### DEVICES (Light Module - Batch Display - etc.)

They are controlled from a controller through a Junction Box.

- **Light Module:** a display-response device with a location lamp, numeric display and buzzer sound. Various types are available.
- **Batch Display:** a large display device which shows the operation status such as operation number, lot number, customer code, shipping item code, etc.
- **Signal lights:** Rotating lamp type and signal tower type are available. Multiple operation status can be shown with the signal tower.
- **Interface:** Operates digital signal input and output.



# Customized solutions

**INNOVATION.** The 3 LPICK types of hardware (TW, AW, SW), with a full range of models, allows adjustment to any need.

**FLEXIBILITY.** Outfitted with multicolour LEDs, the LPICK hardware is based on a colour code that facilitates new creative operatives and flexible job management. Various operators working simultaneously in the same area, an operator preparing various orders at the same time, etc.

**RESISTANT.** They operate in extremely cold weather conditions - 30°C and heat + 50°C. They tolerate, without any problems, condensation and humidity (IP67g). Compatible with any type of software and easy to integrate into any solution.

**“PLUG & PLAY”.** The LPICK hardware is installed and substituted instantaneously. The absence of polarity and its reduced cabling, greatly simplifies its handling and installation.

**AUTO-MAINTENANCE.** LPICK's simplicity and reliability allows for auto-maintenance without the need of specialised technical assistance.



# TW



**Cable-less:** they are stored in a duct and freely slide.

**Position indicator & Confirmer:** lighted response button with various coloured LEDs, visible at lengthy distances.

**FN Push button** configurable for various functions (replenishment, full box, etc.).

**+/-** quantity correction (inventory control).

**Alphanumeric Display.**

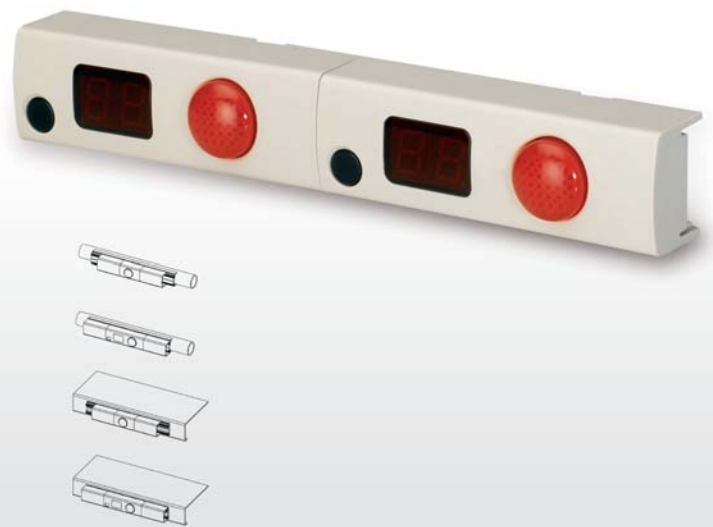
**Acoustic Signals.**

**Functions at - 30°C / + 50°C.**

**Large quantity of models.**

# AW

# SW



**Module:** it connects directly to the cable without polarity.

**Adaptable** to flat and tubular surfaces.

**Does not require tools:** easy to install and replace.

**Position indicator & Confirmer:** with 7 coloured LEDs visible at great length.

Confirmation and response **Rod** in the same picking movement.

Alphanumeric **Display.**

**Acoustic Signals.**

**Functions at -30°C / +50°C.**

Ideal for dynamic work environments

**Cable-less:** they are stored in a duct and freely slide.

**Adaptable:** to flat and tubular surfaces.

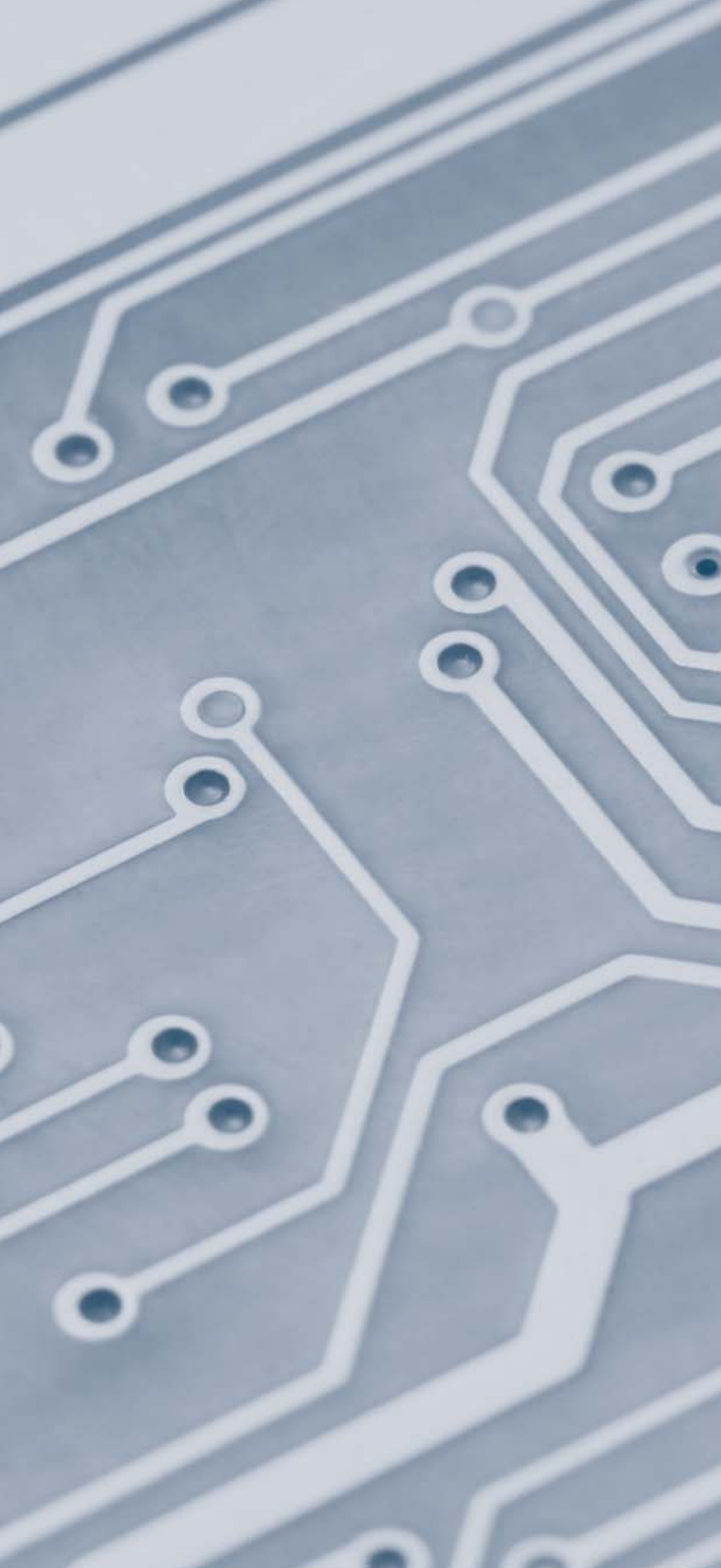
**Does not require tools:** easy to install and replace.

**Position Indicator & Confirmer:** with red colour LED.

**Alphanumeric Display.**

**Functions at -30°C / +50°C.**

Ideal for reduced space working environments



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