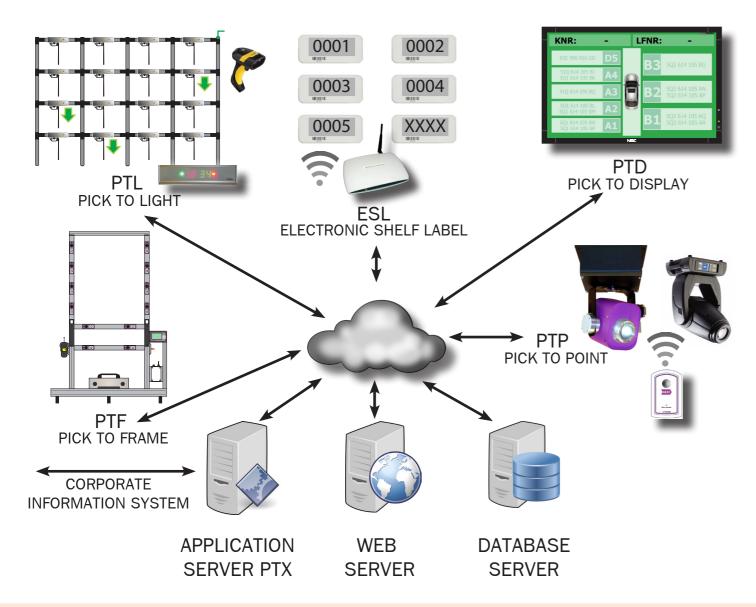
PICK TO SYSTEMS

SYSTEM ARCHITECTURE

PICK TO SYSTEMS provides complete system solutions in the faultless supply and picking materials and goods in industrial and commercial sector. The proposed architecture of the system allows customization demanding customer requirements.



PICK TO SYSTEMS



PICK TO SYSTEMS are based on techniques Poka-yoke, which solves minimizing human errors at work. Idea Poka-yoke is based on respect for the intelligence of the worker. When a worker does not have to think about repeated tasks, have more space for more creative activities that add more value.

ACCELERATION OF PRODUCTION ELIMINATE INTERCHANGINGS DURING INSTALLATION

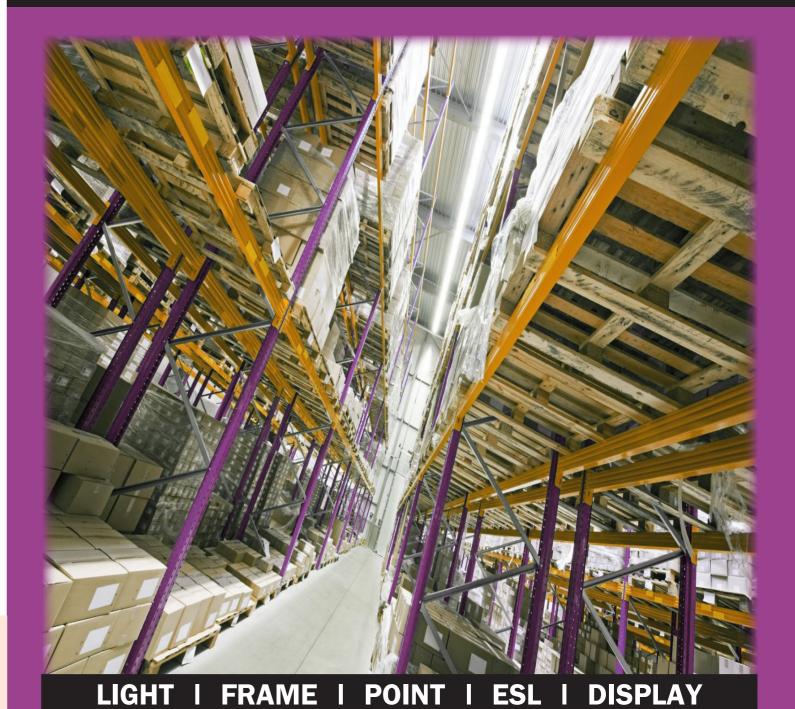
HIGH RELIABILITY SIMPLE SYSTEM SETUP

PICK TO SYSTEMS

SYSTEMS FOR MONITORING PICKING AND PUTING **MATERIALS IN INDUSTRY**



SYSTEMS FOR REGISTRATION IN WAREHOUSE MANAGEMENT





PICK TO DISPLAY

MATERIAL PICKING VIA DISPLAY

EMBEDDED MODULE VM02



MATERIAL PICKING VIA LIGHT SIGNALIZATION

- Tricolor module, 2x double display
- Possibility of connecting additional Banner Enlightenment necessary areas (KLT, GLT)

EMBEDDED MODULE VM04



- · Module for control RGB led strip



Banner

- Signalization of a wrong choice
- Identification of an employee (in colour)
- Sound signals of the choice (including the wrong choice)
- Feedback via photoelectric sensors
- · Direct or right-angled sensors
- Up to 4 sensors per module

DESCRIPTION

PICK TO DISPLAY is a compact, universal system for material picking via the display. The display can be located e.g. on the assembly line or sequential workplace. The system is used for the monitoring of picking material in the automotive industry and logistics.

VISUALISATION EXAMPLE



Pravá 10	03E9060	019T 1
1	2	3
4	5	6
7	8	9
10	11	12
	NEC	

WEBADMIN

ADMINISTRATION PICK TO SYSTEMS

REFLEXIVE SENSOR

BENEFITS PTL

per module

workplace

Simple maintenance

 Easy module replacement Easy connection via connector



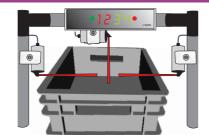
Scanning distance up to 6 m

• Displaying the number of parts to be picked, show destination position

• The ability to connect multiple sensors

• Simple racks relocation to another

DIFFUSION SENSOR



Scanning distance up to 2,5 m

EXAMPLE OF CONNECTION PTL



DESCRIPTION

Web administration is a single system to manage all components of Pick To Systems. Use this software to due to simple and intuitive interface easily set the parameters for a given workplace (management racks, cell parts) with the option of online monitoring of all activities of individual workplaces and the states in which they are set (faults during processing, etc.).

Τx	x Server - Webová administrace					Příhlášen užívatel Petr Cermak (a	
	Přehled Správa	Vyhledávání	Reporty	Logy	Hastavení	K ápověda	Odhlásit
	Přehled pracovišť		Přehled CarRfid	Přehled WebAdminu			
	Název	Popis		Typ pracoviště	Adresa	Stav	Akce
~	Název M13 - Řídící jednotky motoru	Popis		Typ pracoviště Standardní	Adresa 10.220.32.178	Stav Bez zpracování	Akce
✓ ✓		Popis					
	M13 - Řídící jednotky motoru	Popis		Standardní	10.220.32.178	Bez zpracování Bez zpracování	•
✓	M13 - Řídící jednotky motoru M1 - Stropní díly	Popis		Standardní Standardní Kumulatívní podle	10.220.32.178	Bez zpracování Bez zpracování	•
4	M13 - Řídící jednotky motoru M1 - Stropní díly M1 - KBky dveří	Popis		Standardní Standardní Kumulativní podle zboží	10.220.32.178 10.220.20.223 10.220.20.224	Bez zpracování Bez zpracování Bez zpracování	•
4	M13 - Řídící jednotky motoru M1 - Stropní díly M1 - Kilky dveří M1 - Řídící jednotky	Popis		Standardní Standardní Kumulativní podle zboží Standardní	10.220.32.178 10.220.20.223 10.220.20.224 10.220.20.225	Bez zpracování Bez zpracování Bez zpracování Bez zpracování	•

PICK TO LIGHT

PICK TO DISPLAY

Advanced paperless technology replaces printed labels material or goods (name, type code, price, weight, expiration date, barcode, etc.).

ESL TAG



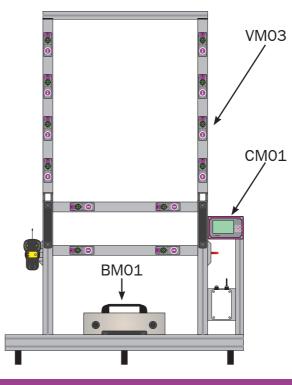
- 2,8" and 4" display
- E-ink technology
- Battery life up to 5 year
- Encrypted data transmission
- Visibility text from the angle of 175°
- Variable text display
- Instant reflection of changes
- Shock and Waterproof

E STATION



- Connection between server and E-TAGs
- Encrypted data transmision on frequency 433 MH
- Connect up to 20,000 ESL TAGs
- Radius range up to 25 m

DESCRIPTION

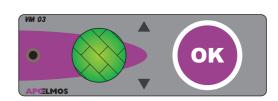


- Wireless communication with superior system
- Light signals (red, green, blue) via dispersive lens
- The auxiliary signal arrows
- Capacitive confirmation button
- Signaling the state of charge
- Easy replacement of the discharged Battery module BM01
- Backlight 3.4 "graphic display Control module CM01
- Displaying various information (part number, quantity)
- Buttons for control option
- Possibility of a wireless reader and the tower light

CONTROL MODULE CM01



EMBEDDED MODULE VM03



BENEFITS ESL

- Wireless transmision
- Easy installation and maintenance
- Low cost
- Graphic logos
- High degree of protection IPX6
- Maintenance-free
- Simple setup via Web administration
- High contrast

EXAMPLE



BATTERY MODULE BM01



BENEFITS PTF

- Easy handling
- Lightweight aluminum construction
- Battery life at least 72 hours in normal operation
- Variable frame construction
- Simple replacement of the battery
- Fixlocks the racking or truck
- Signaling the state of charge

ESL

PICK TO POINT

MATERIAL PICKING VIA INTELIGENT LIGHT

DESCRIPTION

Inteligent rotatable light head PTP-IS a ROBE DLX Spot are designed for industrial application.

Head includes high luminious LED with long life, low consumption and minimal heating. LED guarantee extremly light output with high visibility on long distance. Colors stability is ensured by dichroic colors filters. Exact position is ensured by 16-bit Pan/Tilt movement driver. Heads are designed for continuous operation. Czech quality optical system ensures sharp point at a distance.

INTELIGENT LIGHT PTP - IS



- Power CREE Xlamp LED
- Dichroic colours
- 5 colors
- Light intensity 3500 lx on 4 m
- Endurance up to 15000 hours
- Pan 360°
- Tilt 360°
- 48 VDC, RS485

INTELIGENT LIGHT ROBE DLX



- RGBW LED module
- Beam angle 10° 45°
- Possibility logs and arrows
- Iris, focus a zoom
- Life up to 20000 hours
- Pan 540°
- Tilt 280°
- 100–250 V, 50–60 Hz

PICK TO POINT ON THE TRACK LINE



IQRF BUTTON





- · Wireless device with its own operating system
- The frequency of 868 MHz or 916 MHz with wide possibilities of intelligent remote control or the interconnection of digital signals between two points
- Reach of 25 m from the antenna
- LED indication
- Continuous operation one month on charge

FUNCTION









Tranciever

Receiver

Application

BENEFITS PTP

- High luminous
- Different colors
- Color stability
- Possibility to display images (eg. arrows)
- Continuous operations
- Stacionar version
- Version with travel
- More rotary heads in one system

PICK TO POINT