

Engineered to Manage your X-factor®



EMX INDUSTRIES INC

EMX

INDUSTRIES

EMX Industries, Inc.

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Color Sensors

Opaque and Transparent Materials



COLORMAX

Technical Data

- High Intensity white LED works on dark materials
- Up to 500mm operating range - far from moving materials
- 20 kHz switching frequency - fast moving targets
- USB and RS232 interface - easy to connect for programming
- Color and Color + Luminosity detection - fine resolution between close color shades

Applications

- Automotive assembly
- Pharmaceutical manufacturing
- Packaging
- Wood Manufacturing

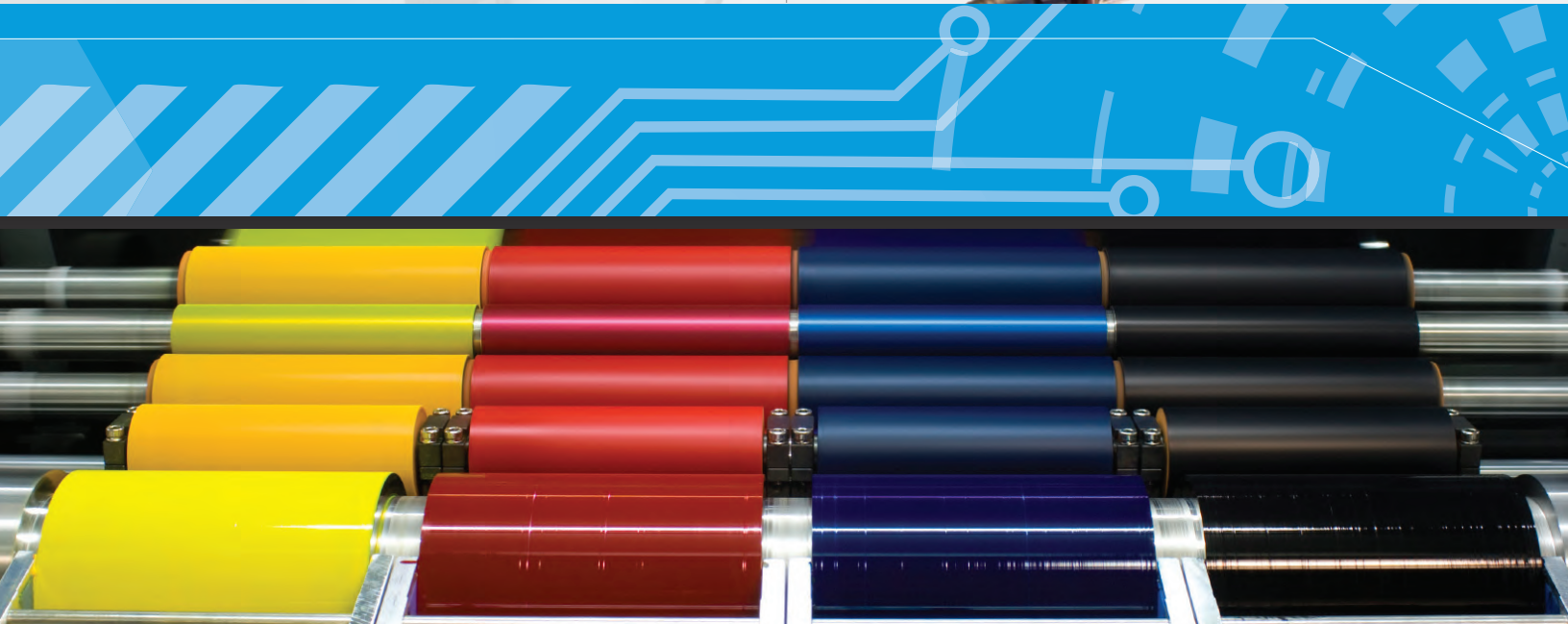
COLORMAX VIEW

Technical Data

- High Intensity white LED works thru dark materials
- Up to 500mm operating range - far from moving materials
- 20 kHz switching frequency - fast moving targets
- USB and RS232 interface - easy to connect for programming
- Color and Color + Luminosity detection - fine resolution between close color shades

Applications

- Bottle manufacturing
- Film manufacturing
- Soft drink manufacturing
- Oil recycling
- Plastic bottle recycling



Luminescence Sensors

UVX

Technical Data

- Detection range of up to 1000mm
- Calibration option
- High-speed, 40kHz switching
- Numeral display (on some models)
- Teach function

Applications

- Detect adhesives
- Tamper evident seals verification
- Label detection
- Assembly and packaging QC



Contrast Sensors



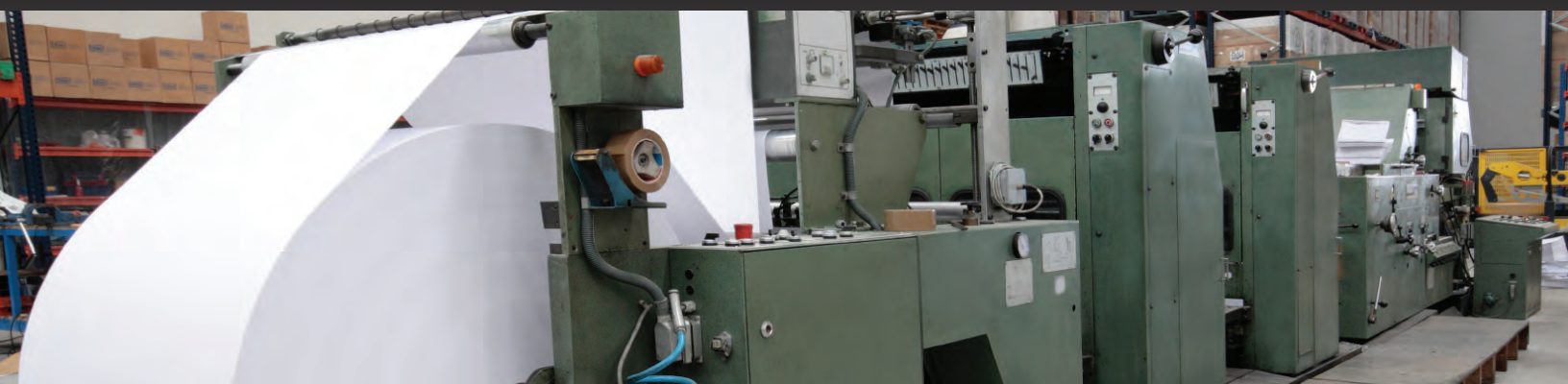
CNTX

Technical Data

- High-speed, 40kHz switching
- Teach function
- Broad spectrum white LED
- Numerical display (on some models)

Applications

- Plastic and metal color contrast
- Assembly and packaging QC
- Registration marks detection



Light Evaluation

Sensors

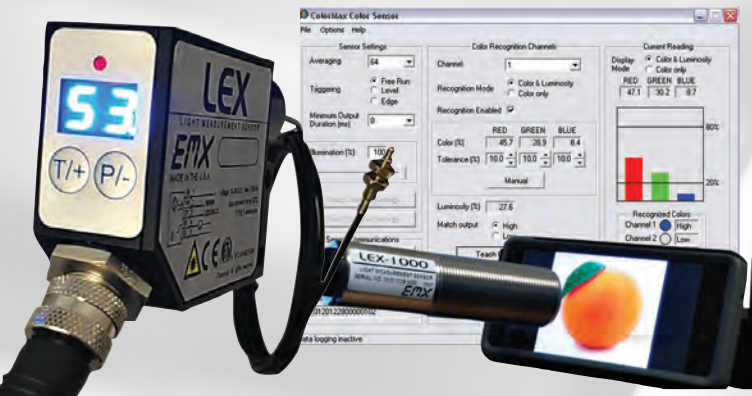
LEX-100 AND LEX-1000

Technical Data

- High sensitivity and high resolution
- Fast response
- Display range 00-99
- Adjustable gain
- Analog output
- PNP/NPN discrete output
- PC-based configuration software
- Serial data output
- Analog outputs (RGB)
- USB/RS232 interface

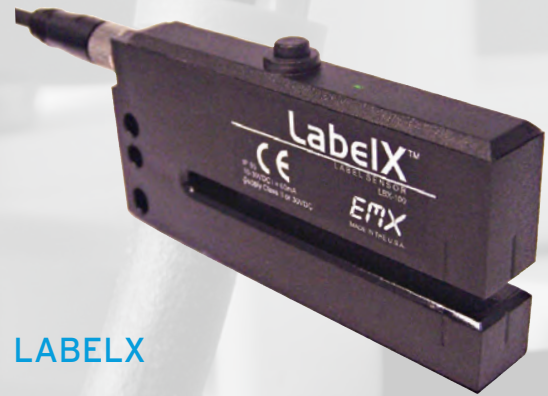
Applications

- Automotive lighting verification
- LED, relative color measurement
- LCD and LED display quality
- Evaluation of all visible light sources



Label

Sensors



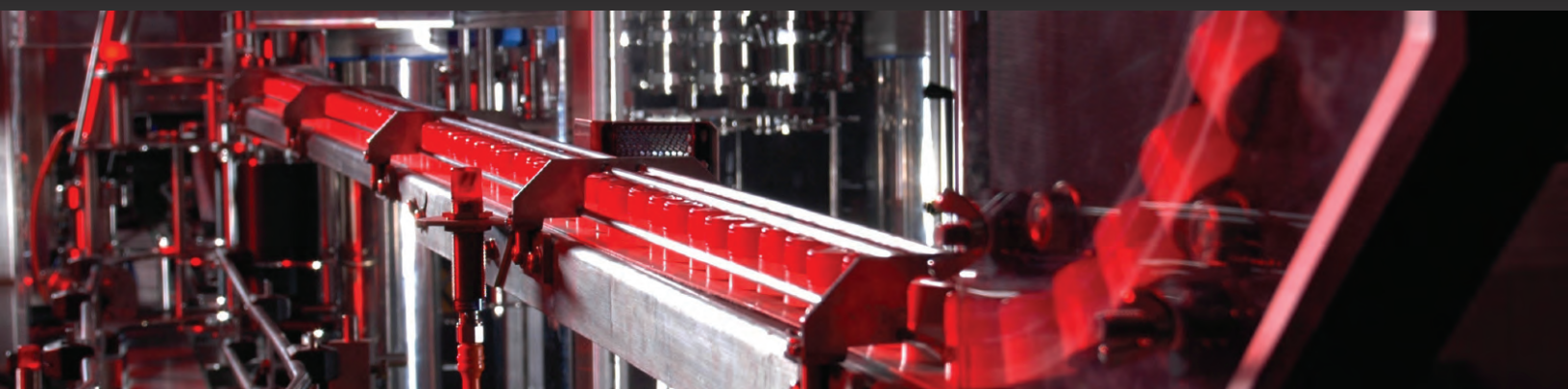
LABELX

Technical Data

- Fast and easy teach-in
- Remote teach-in
- Output status indicator
- Adjustable gain
- PNP or NPN output
- Light-on/dark on connections
- M8 connector
- Key lock

Applications

- Label applicator machines
- Label counting
- Double sheet detection
- Mark detection on translucent film
- Splice detection
- Winder, re-winder
- Label registration
- High-speed dispensing



Opacity and Turbidity Sensors

Brightness Sensors

OPAX

Technical Data

- Calibration option
- High resolution analog output
- 99 levels of relative opacity scale
- Laser mark position sensor
- Numerical display

Applications

- On-line opacity verification
- Paper, Plastic and glass
- Films and Containers



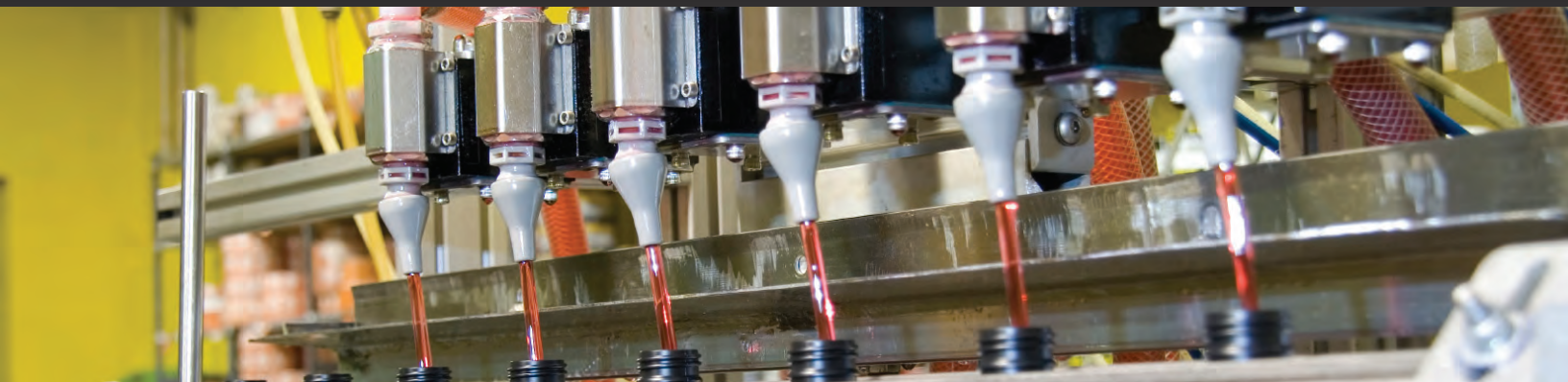
BRITE X

Technical Data

- Calibration option
- High resolution analog output
- 99 levels of relative brightness scale
- Detection range up to 1000mm
- High speed in line operation

Applications

- Paper brightness
- Pulp brightness
- Sugar brightness
- Textile brightness



Company Overview

ABOUT US

EMX Industries, Inc. was established in 1987 with the primary goal of supplying the gate, overhead door and parking industries with innovative sensors and controls.

EMX also designs, manufactures and sells specialty sensors for factory and process automation. EMX sensors are used in automotive, packaging, labeling, metal stamping, paper and wood processing, plastics, electronics, sugar, pharmaceutical manufacturing and many more industries.

Our manufacturing facility is situated in Cleveland Industrial Park in Cleveland Ohio USA with our fully automated electronic manufacturing lines, engineering and customer support functions. Our stringent quality controls and adherence to our ISO 9001 certification assure the highest quality of our products.

OUR PHILOSOPHY

EMX stands for Engineered to Manage your X factor and we design our products performance characteristics with an ample amount of safety margin to counter act surprises that invariably do present themselves in all automation applications.

We are well aware that when the parameters of the controlled process change the customer wants to keep using the same sensors that are already installed in the application.

When we design our sensors we engineer them to be faster, with higher resolution and a higher operating range than necessary. We also make sure to take into account the human factor and most of our sensors have a numerical display, or PC operating software for easy setup.

Some of our sensors come with a calibration function that enables all calibrated sensors to read the same value when detecting the same target. This saves a tremendous amount of time and money when implementing a solution across an enterprise with locations dispersed between several countries and continents.

We provide our customers with total value that is not limited only to the best product in its category but also the best engineering support. For example we offer complimentary testing of our customer's target material with our recommended sensor. This test is accompanied with written and video reports that provide our customer with actual results.

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