Engineered to Manage your **X**-factor®

APPLICATION DRIVEN SENSORS

EMX INDUSTRIES INC

ColorMax and ColorMax View

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

COLORMAX

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Applications

- Automotive assembly
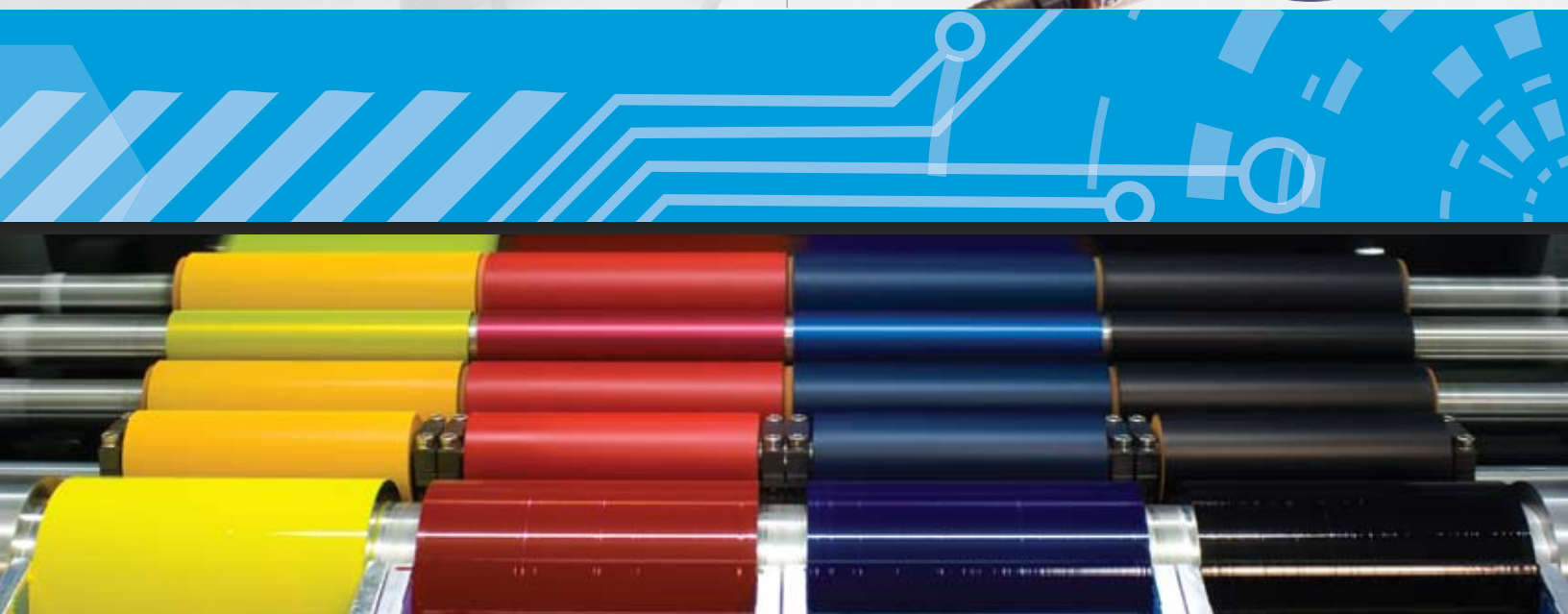- Pharmaceutical manufacturing
- Packaging
- Wood Manufacturing

UVX

UVX 300

Technical Data
- Detection range of up to 1000mm
- Calibration option
- High Speed 40 kHz switching speed
- Remote controls lock out
- Teach function

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

UVX300G-REM

Technical Data
- Remote head configuration
- Calibration option
- High Speed 40 kHz switching speed
- Remote controls lock out
- Teach function

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

CMYX AND CNTX

CMYX

Technical Data

- High resolution 0.4mm light spot
- 99 levels of gray scale
- 40 kHz switching speed
- Teach function
- Broad spectrum white LED

Applications

- Detects any color registration mark
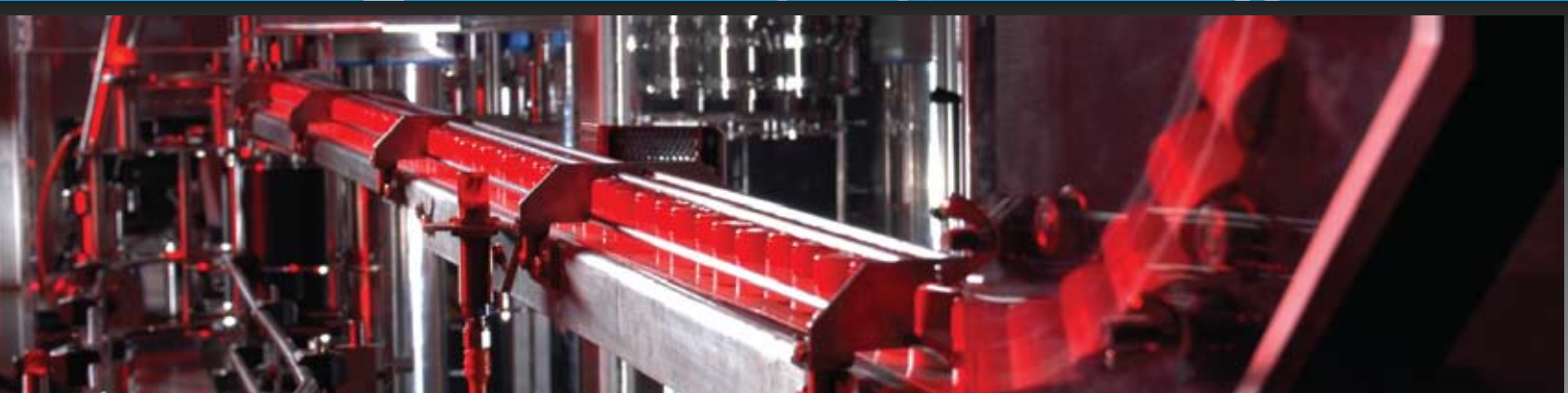- Print to cut control
- PHARMA code detection

CNTX

Technical Data

- High color contrast sensitivity and resolution 40 kHz switching speed
- Teach function
- Broad spectrum white LED
- Numerical display

Applications

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

OPAX AND BRITEX

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

BRITEX

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

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.