CARBON FIBER IS THE MATERIAL OF THE FUTURE

Until recently, carbon fiber was generally a material for high-end products, such as sports equipment, medical devices and aerospace applications. However, there is a developing trend among the world's automotive companies to start using this material commercially as a way of manufacturing more economical cars without loss of performance.

This trend is confirmed by the research programs and collaborations of all the world's major car manufacturers. To achieve their common goal, the price of manufacture must be reduced and automated processes implemented. Any secure process is highly dependent on reliable sensing solutions. With the series 500 the secure detection of carbon fiber is guaranteed.

- ✓ Reliable detection of carbon fiber
- ✓ Sensing solution for future technology
- ✓ Detection at extended sensing distances
- ✓ Cost effective and efficient solution

CONTRINEX

ALL OVER THE WORLD

EUROPE
Austria
Belgium
Croatia
Czech Republic
Denmark
Estonia
Finland
France
Germany
Great Britain
Greece
Hungary
Ireland
Italy
Luxembourg
Netherlands
Norway
Poland
Portugal
Romania
Russian Federation
Slovakia
Slovenia
Spain
Sweden
Switzerland
Turkey

AFRICA
Morocco
South Africa

THE AMERICAS
Argentina
Brazil
Canada
Chile
Colombia
Mexico
United States
Venezuela

ASIA
China
India
Indonesia
Japan
Korea
Malaysia
Pakistan
Philippines
Singapore
Taiwan
Thailand
Vietnam

AUSTRALASIA
Australia
New Zealand

MIDDLE EAST
Israel
Syria
United Arab Emirates

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CONTRINEX

Secure distance?

SERIES 500
Sensors with 4 times standard distance

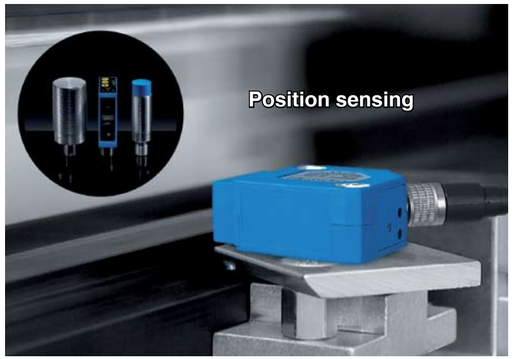
COMPANY

The Contrinex vision for innovation and technological enhancement means that this company has constantly set new standards in the world of sensors.

Contrinex laid the cornerstone for enhanced sensing technology with the extremely long sensing distances of its series 500 inductive sensors.

Many years later these products are still unique in terms of performance and quality.

By implementing ASIC technology Contrinex took these sensors to the next level.



BEYOND THE STANDARD

- ✓ Long operating distance up to 4 times the standard
- ✓ Outstanding temperature stability from -25°C (-13°F) to +70°C (+158°F)
- ✓ High switching frequency
- ✓ Short housing versions available
- ✓ Perfect solution for applications with limited space
- ✓ High EMC protection

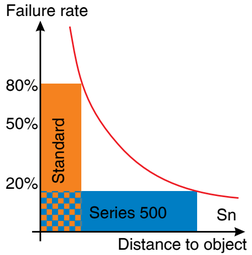
AVAILABLE PROGRAM

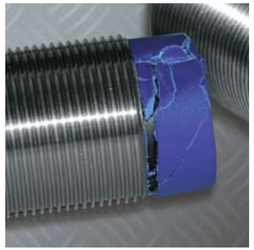
A COMPREHENSIVE PRODUCT RANGE FROM ∅4 TO M30 IS NOW AVAILABLE!

Size	Switching distance	Switching frequency	Type	Connection
∅ 4	up to 2.5 mm	up to 800 Hz	Embeddable	Cable / S8
M5	up to 2.5 mm	up to 800 Hz	Embeddable	Cable / S8
∅ 6.5	up to 3 mm	up to 1,000 Hz	Quasi-embeddable	Cable / S8 / S12
M8	up to 6 mm	up to 500 Hz	Non-embeddable	Cable / S8 / S12
M12	up to 10 mm	up to 400 Hz	Non-/ Quasi-embeddable	Cable / S12
M18	up to 20 mm	up to 500 Hz	Non-/ Quasi-embeddable	Cable / S12
M30	up to 40 mm	up to 200 Hz	Non-/ Quasi-embeddable	Cable / S12
C8	up to 3 mm	up to 1,000 Hz	Quasi-embeddable	Cable / S8

WHY LONG SENSING DISTANCES?

80% of all inductive sensor breakdowns are due to mechanical damage. Increasing the distance between a sensor and dangerous moving parts is the easiest and most effective way to reduce downtime!





KEY ADVANTAGES

- ✓ Downtime reduced by 60%
- ✓ Excellent sensing stability even with normally difficult to detect targets like small and thin parts, wires and non-ferrous metals
- ✓ Easy installation reduces setup time
- ✓ Perfect for applications with varying targets
- ✓ Reliable detection of vibrating objects

INTRALOGISTICS

Sensors used in fully automated, world class, intralogistics need to deliver reliable performance 24 hours a day, 365 days a year

CUSTOMER ADVANTAGES

- ✓ Secure distance from moving objects
- ✓ Reduced risk of sensor breakdown and consequent downtime
- ✓ Reliable and cost effective sensing solution

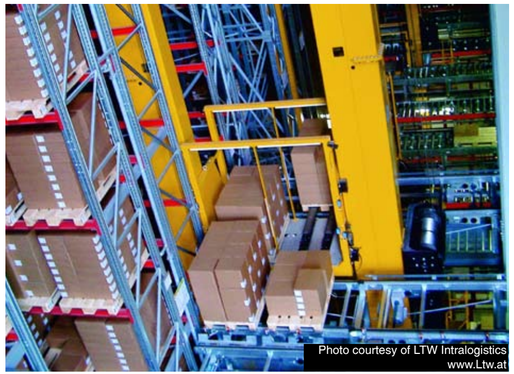


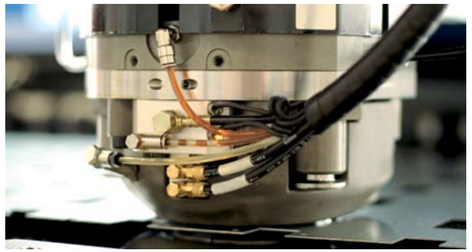
Photo courtesy of LTW Intralogistics www.Ltw.at

SHEET METAL WORKS

Extended sensing range for reliable detection of parts with large mechanical tolerances

CUSTOMER ADVANTAGES

- ✓ Excellent vibration resistance
- ✓ Downtime reduction due to increased distance between sensor and object
- ✓ Reliable detection virtually independent of object size



WIRE DETECTION

The series 500 offers a reliable sensing solution for difficult sensing applications

CUSTOMER ADVANTAGES

- ✓ Reliable detection virtually independent of object size
- ✓ Detection of non-ferrous metals
- ✓ Detection of different types of metal at extended distances
- ✓ Reliable detection of wires and cables

WIND TURBINES

Reliable and durable sensing solutions are of the utmost importance for efficient wind turbines

CUSTOMER ADVANTAGES

- ✓ Reliable detection with secure distance from moving objects
- ✓ Outstanding temperature stability over the whole temperature range from -25°C (-13°F) up to +70°C (+158°F)
- ✓ Detection of various types of metal at extended sensing distances