

Gracias!Danke

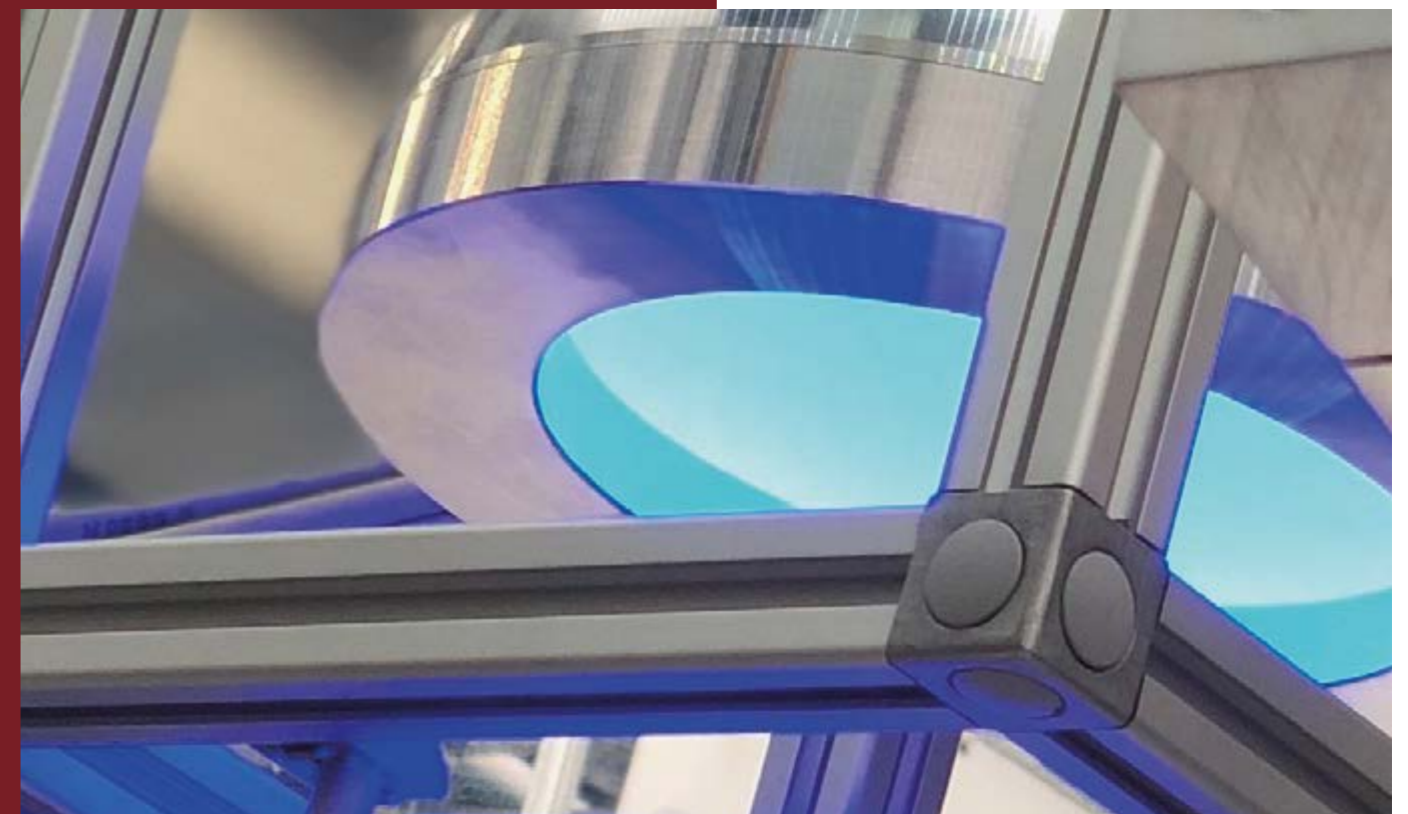
Dear
Customer

Cretec Cybernetics specialises in machine vision-based automation solutions and multidimensional image processing. Cretec Cybernetics was created from the merger of Cretec GmbH and VisionOnline S.L. - incorporating more than 20 years of real-world industrial automation experience. Our mission is, to provide a pan-european response to globalized and local industrial production companies needs, for better, faster and more reliable inspection solutions.

Intelligent and digitally interconnected systems are the technical basis for this. With the growing help of Artificial Intelligence and Deep Learning, we today solve tasks, that seemed impossible yesterday. We match modern industrial robots and cobots perfectly into cutting-edge machine vision based solutions for handling, inspection and assembly.



Cretec Cybernetics



Global Knowledge & Local Support

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Your Solution

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20 reading

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Fast Reader

Your OCR/OCV/code verification solution

Products in **modern industrial** production are frequently identified with ID and batch codes, in food and beverage industry specially with best before dates.

Today's bottling and packing lines **work at very high speeds**, up to **20 units a second** is perfectly common.

Awareness for quality and no errors is very high, therefore, printed codes need to be verified to make sure only perfect identification is sent to the client. **Human verification is, of course, not possible at high speeds.**

FastReader's OCR/OCV tool is your perfect solution for automatic verification based on machine vision.

Whether you want to install FastReader on your existing lines or introduce a stand-alone Cretec Cybernetics system, FastReader can be adapted to your requirements.





Fast Reader

20 units per second

FastReader reads and verifies characters and codes, both 2D and 1D, at very high speeds, up to 20 units per second.

Different algorithms, including Artificial Intelligence and Deep Learning, are used to read even low or variable quality markings. Cretec Cybernetics wide experience in machine vision technologies provides ideal lighting settings even for demanding verification tasks.

Fast Reader

Deep Learning

Deep Learning is an Artificial Intelligence method, emulating human learning process. It's a structured, multi-layer automatic algorithm that helps a machine to improve performance over time.

It does not require pre-programmed rules, is rather trained and "learns" based on labeled images.

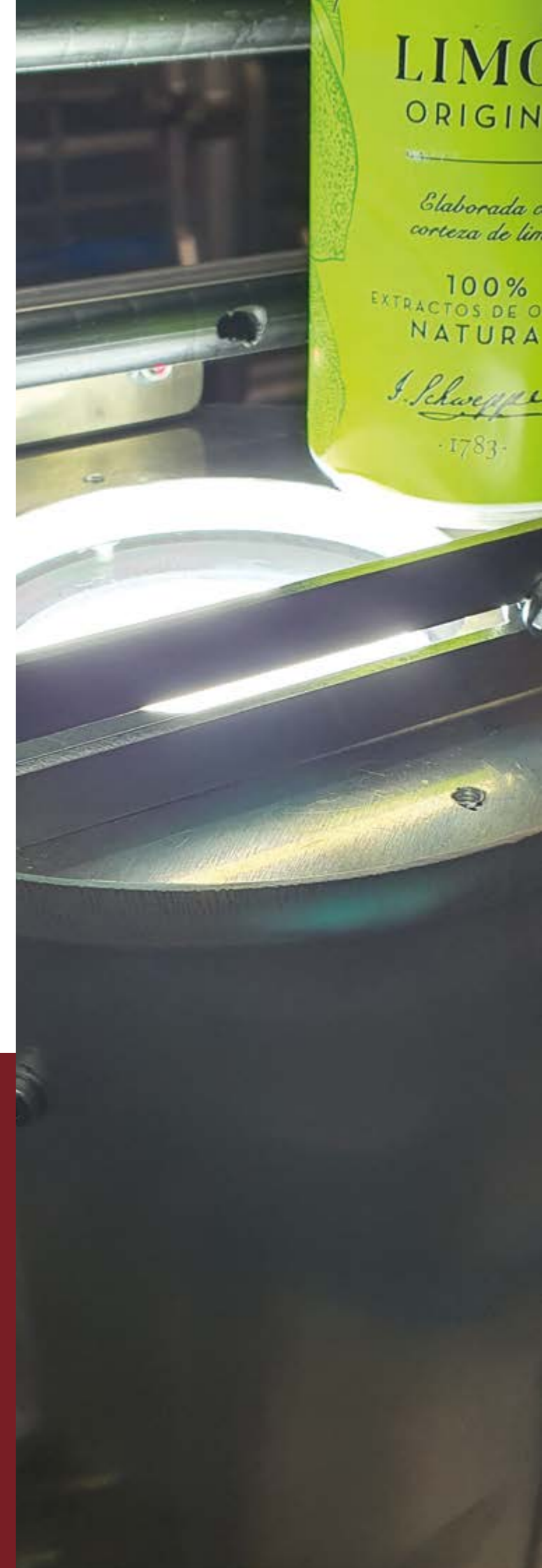
FastReader uses Deep Learning technologies when reading marks with poor or variable print quality.

Fast Reader

Laser & Ink-Jet marking systems

Reading and verifying codes is basic for modern product identification and traceability systems. Codes, both human-readable and dot or bars-based, are printed onto products and packaging with ink-jet or laser markers.

Marking quality may vary according to marking and feeding technology, posing special demands to reading and verification. FastReader is ideally equipped with patented Cretec Cybernetics lighting technology and cutting-edge algorithms to make your read a success.



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