

REA LABEL

LABELING SOLUTIONS FOR
LOGISTICS AND AUTOMATION

REA LABEL

Product overview for labeling technology



REA LABEL: Labeling solutions for logistics and automation



Labels are used particularly in places where contact-free coding and marking technologies do not provide an adequate solution. When putting markings or machine-readable 1D or 2D codes directly on products is not an option, this is where labeling shows its true potential.

REA LABEL labeling systems are a reliable component in the production environment of today and provide for capable processes.

The labeling solutions of REA LABEL have been developed and manufactured in-house for reliable operation in challenging environments.

- Standard systems and implementation of customer-specific requirements by means of our own special-purpose machine building
- Precise labeling using advanced control technology
- Labeling applications: e.g. continuous, wrap-around, bottom, top, corner-overlap, front, cross-web labeling, etc.
- Shipping logistics, servo labeling, pallets, small load carriers, cage pallets, robotic marking, wood marking, grinding discs, canisters, etc.

REA LABEL ES: Labeling systems for fully automatic applications

REA LABEL ES label dispensers are specially developed for applying preprinted adhesive labels.

The REA LABEL ES has a compact design with an integrated control system, meaning it can be conveniently incorporated into existing production environments.

The modular design of the dispensers plus the use of high-quality materials and user-friendliness ensure that the dispensers can be used efficiently and flexibly for a wide variety of fully automatic labeling applications.

REA LABEL ES benefits:

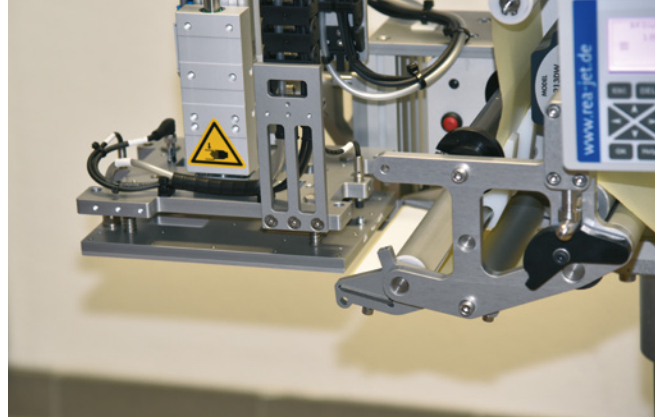
- Compact, rugged and modular design for easy incorporation into existing production environments
- Integration of REA standard or customer-specific pneumatic and servo applicators
- Can be expanded by adding the high-resolution REA JET HR inkjet printer coding and marking system or with REA laser systems
- Precise and fast labeling through state-of-the-art control technology
- Standard pass-through width 4", 6" and 8"
- Speeds of up to 60 m/min (optionally expandable)
- High system availability due to fast label changes



REA LABEL ES label dispenser



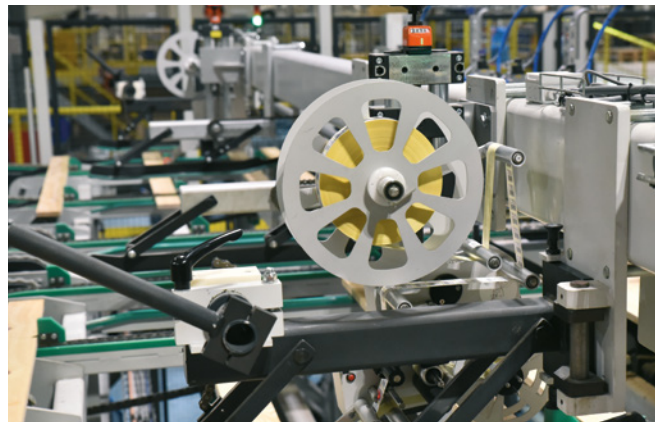
Applying labels to shrink hoods



REA LABEL ES with pneumatic applicator



Dispenser for multi-labeling



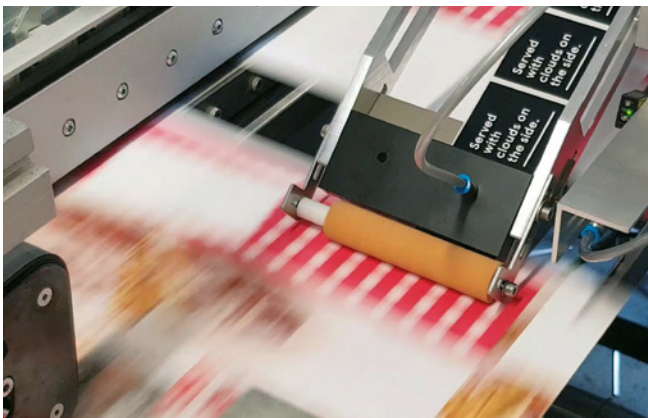
Labeling of wooden strips



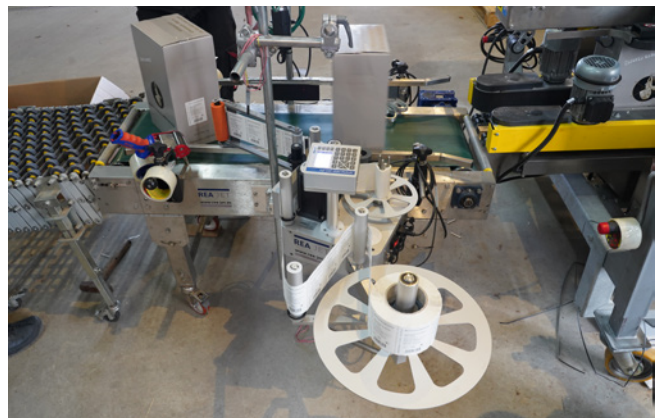
REA LABEL ES with integrated REA JET HR



Labeling of paper bags



REA LABEL ES with pneumatic suction plate



Labeling of wine boxes

REA LABEL DS: Printing, dispensing and applying labels Print and apply systems for a broad range of applications



REA LABEL DS print and apply systems have the functions of printing, dispensing and then applying labels to the product combined into one system.

Our print and apply systems can be equipped with common industrial printing modules and flexibly integrated into machines and systems or used as stand-alone solutions.

The solid construction makes it easy to maintain and handle and provides for even greater efficiency. Our REA LABEL print and apply systems feature peak performance at printing and dispensing speed as well as high print quality.

REA LABEL DLS continuous labeler:

- In-line printing, dispensing and then applying the labels in a continuous flow without stopping
- Intelligent overall concept for maximum degree of automation and uninterrupted production flow
- Modular design for customized selection of components
- Prepared to accept standard industrial printing modules (e.g. Novexx, CAB, Sato and Zebra)
- Flexible integration into packaging machines or production lines owing to the compact design

REA LABEL DS benefits:

- Direct and fully automatic printing and applying in one work step
- Suitable for customized workflows
- Prepared to accept standard industrial printing modules (e.g. Novexx, CAB, Sato and Zebra)
- Flexible REA LABEL microprocessor or Siemens S7 controller
- Integration of camera and scanner systems
- Flexible operating options via standard input terminal, touchscreen or machine control panel (HMI)
- Use of REA standard or customer-specific pneumatic applicators or high-speed servo applicators
- Different standard applicators for applying labels by rolling, blowing or pressing them onto products and packaging
- The entire system can be controlled through the REAnet protocol
- Optionally with Profinet and Profibus connection



REA LABEL DLS continuous labeler



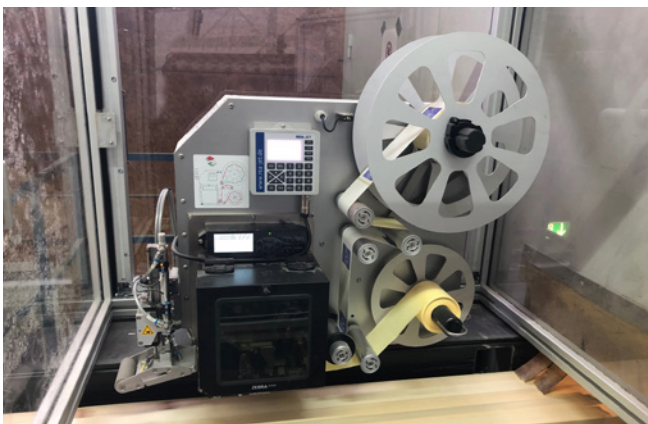
REA LABEL DS print and apply system



Print and apply system for wrap-around labeling



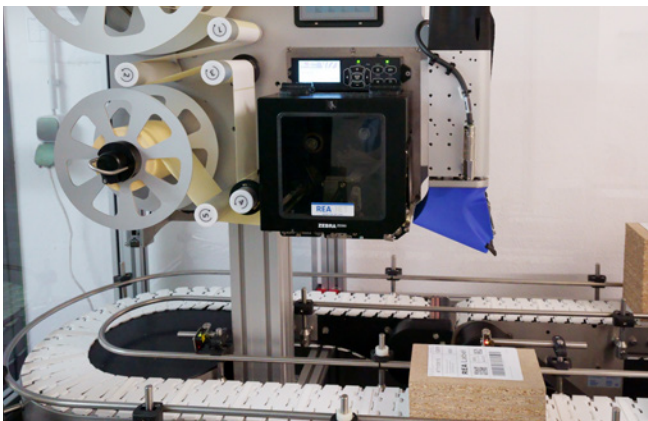
Labeling over an edge



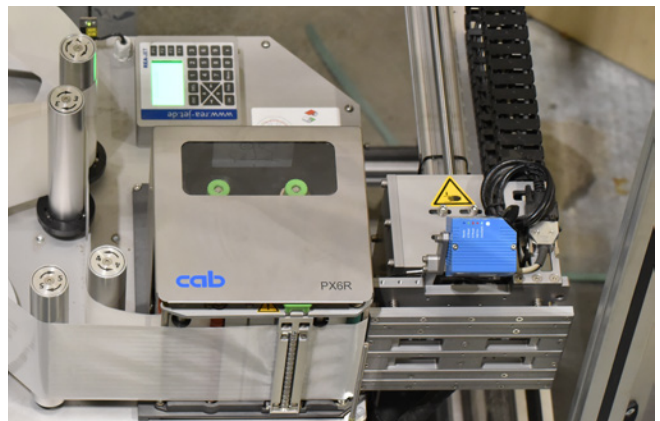
Continuous labeling of composite lumber



Labeling of canisters



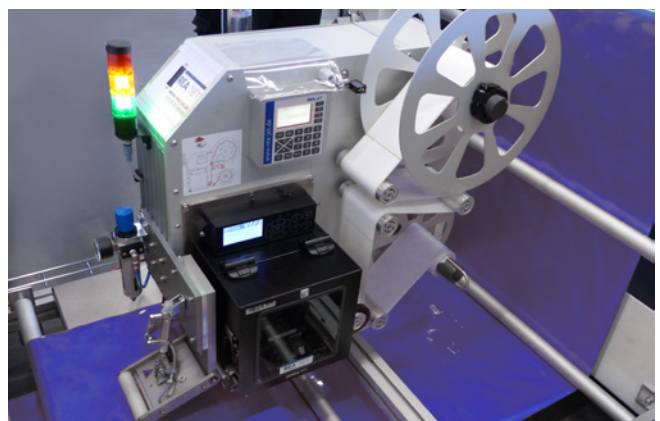
High-speed servo dispatch labeler



REA LABEL DS-ST print and apply system



Labeling of food packaging made of plastic



Labeling of packaging film



PLU

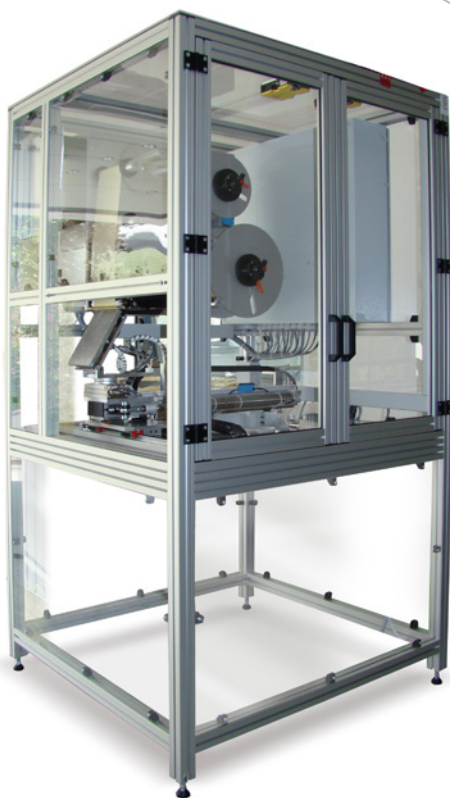
REA LABEL PLU: Pallet Labeler Unit Efficient labeling of pallets

REA LABEL pallet labeling systems have been developed specifically for integration into logistics and production lines. The modular design allows for fast and flexible configuration. This means that even special customer requirements can be implemented.

REA LABEL PLU benefits:

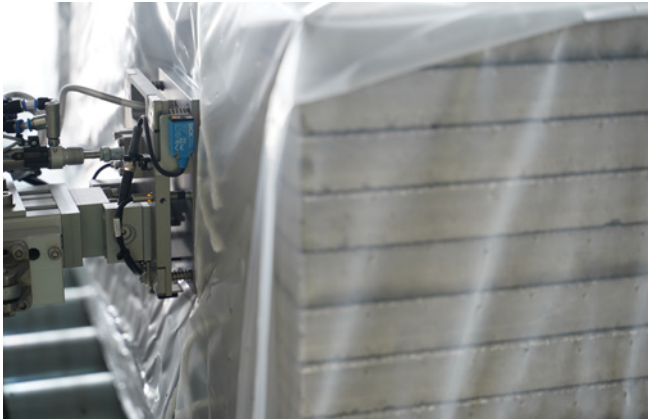
- Increased degree of automation and optimized performance
- Marking in a continuous flow or at a standstill
- Rugged enclosures made of aluminum or stainless steel, sturdy mechanical system with air-conditioning and/or heating
- Deep-freeze applications down to -28 °C
- Single-side labeling on the longitudinal side in the direction of flow
- Double-sided labeling on the longitudinal and back-sides (CCG/GS1)
- Triple-sided labeling on the front, longitudinal and back sides
- Pneumatic or servomotor-controlled vertical and horizontal movement (optional)
- Easy integration into existing logistics and production environments
- User-friendly software, state-of-the-art interfaces
- Flexible data link to higher-level ERP systems

A flexible system was created by using high-quality components, a flexible REA LABEL microprocessor or Siemens S7 controller.

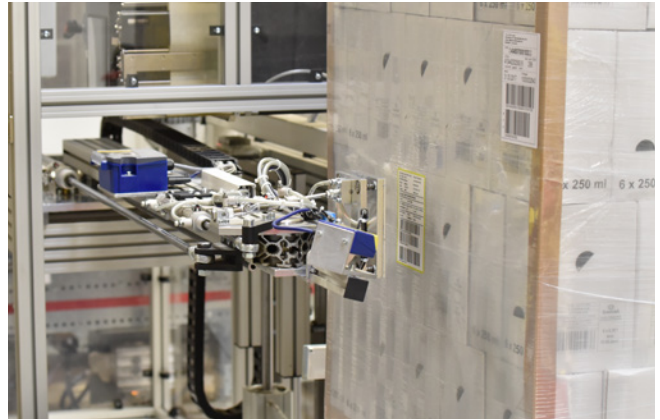


REA LABEL PLU

REA LABEL



Front labeling on plastic film



Triple-sided pallet labeling on the longitudinal, front and back



Applying labels to stacks of corrugated cardboard



Double-sided labeling on the longitudinal and back sides



Lateral pallet labeling



A4 Pallet Labeler Unit with vertical movement



Pallet labeling with code verification



Front labeling at various heights

REA LABEL ColorJet 2: Cost-effective, flexible and versatile

The REA LABEL ColorJet 2 is a compact inkjet full-color printer for small and medium print volumes, which enables industrial applications with its robust powder-coated housing. The majority of the printer components are made of recyclable metal. All parts are interchangeable.

The inkjet printer is ideal for use in production, logistics, automation and all places where high-quality color labels need to be printed on-demand - from a single label to a full roll.

He prints and dispenses full-color labels with a print width of up to 210 mm and in the highest resolution of up to 1200 dpi.

Three models are available:

- REA LABEL ColorJet 2S (standard) with manual tear-off edge
- REA LABEL ColorJet 2C (cutter): with automatic label cutting function (circular knife)
- REA LABEL ColorJet 2P (peeler): industrial print-on-demand inkjet label printer with integrated label dispensing function
 - Full color 1:1 label printing (print and peel)
 - Rewinding of the backing paper from an external rewinder
 - Use e.g. for manual workstations or fully automated applications in applicator operation or robot system
 - Flexible SPS I/O interface

Depending on the selected model, the cut or peeled-off label is directly processed further, saving time and additional process steps.



Special inks for all requirements:

Dye Ink



For especially color-intensive, consistent and high-contrast labels in photo graphic printing (dye-based ink).

Nanopigmented black ink



Complies with the requirements of a pigmented ink. Absorbs instantly into glossy or polyethylene labels. For BS 5609 and GHS compliant labels.

Pigmented ink



For extra long-lasting, infrared-readable, waterproof and UV-resistant applications on porous label material (paper).

REA software solutions: Standardized or customized



REA provides professional standard and customized software solutions for industrial label printing. The solutions are based on standard programs from Loftware NiceLabel and Codesoft. These programs can be flexibly adapted to meet individual customer needs.



Label creation with Loftware NiceLabel

We are a certified partner of the following manufacturers:



Extensive product range: ink ribbons, cartridges and labels



The labeling technology is ideally complemented by ink ribbons, cartridges and labels in a wide range of qualities, sizes and specifications.

Requirements-based label printing for daily labeling tasks through customized design of blank and preprinted labels.



The mark of responsible forestry
FSC® C106855

Valid for REA Systemtechnik GmbH



Code verification systems: Verified label printing – all from a single source



The label ink ribbon combinations are optimally complemented by verification of 1D / 2D codes with REA VERIFIER systems.

REA VeriCube is a state-of-the-art matrix and barcode verification system that can be used in any industry. Whether lying down, standing up or from top to bottom. Nearly every test sample can be measured here in optimal position.

The measured values are sent to a computer via network interface and a standard network cable for evaluation and processing using the REA TransWin32 evaluation software.

By using REA VeriCube, you find out quickly how you can improve the read rates of the verified codes. Optimize the print quality of the labels with the help of detailed measurement results.



Verified label printing
with REA VeriCube

Flexible code verification

The REA VeriMax Mobile is configured for mobile use in production, incoming goods and quality assurance.

The offline verification device is suitable for measurements of samples and comes with its own tablet PC. It verifies the quality of 1D/2D codes to ensure that regulatory quality specifications as well as user specifications are met.

By ensuring high code quality and eliminating incorrect code content, the REA VeriMax Mobile can significantly help reduce costs. This is because unreadable barcodes force manual entries, which increase the risk of errors and delay the entire operational process.



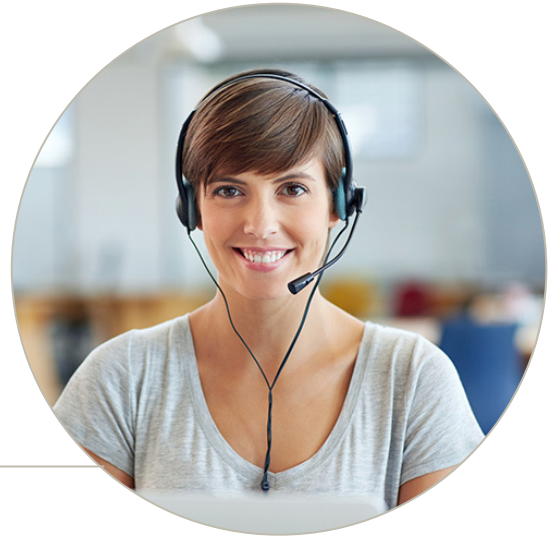
REA VeriMax Mobile variants



Always ready to help: Service from our Specialists

Cutting-edge technologies and dedicated employees from various departments are a major reason why our products are successful and our customers are satisfied.

Fast and flexible reaction to customer requests as well as competent and unbureaucratic help are services that further underline the quality of REA products.



Professional and friendly service is very important here.

Always on the cutting edge: Customized training and service on-site

Fast and flexible responses to customer requests as well as competent and unbureaucratic help are services that additionally underscore the quality of REA products.

Training courses are offered for the entire REA LABEL product line and are tailored to your wants and requirements. The investment of training your personnel pays off.

When they know how to handle the system properly, perform maintenance and upkeep during operation, and take the measures required for troubleshooting malfunctions, it ensures maximum availability of your labeling technology system.



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