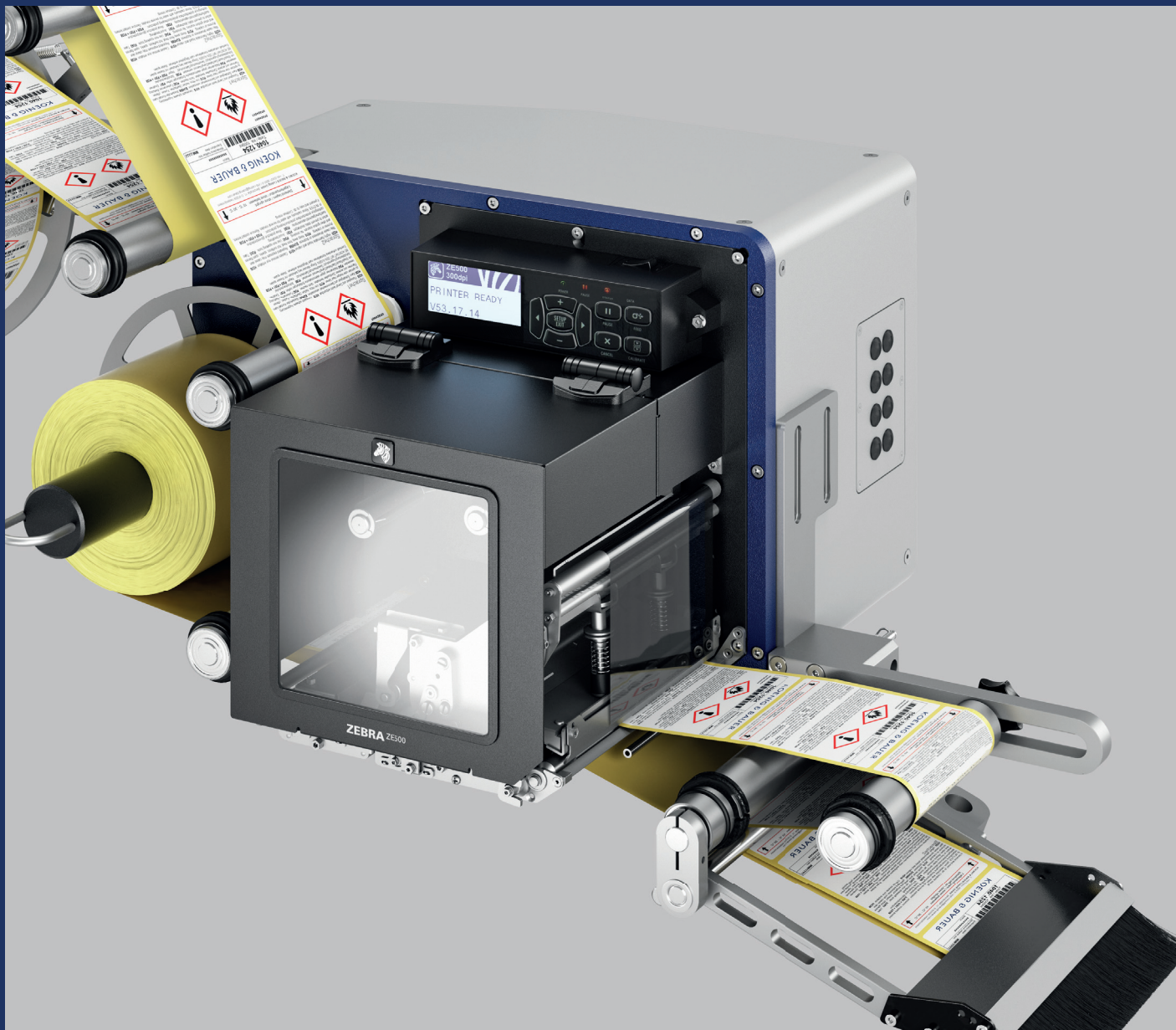


KOENIG & BAUER

4PL

Print & Apply



we're on it.

EN

4PL

Print & Apply technology is ideal for printing variable data and information directly and accurately applying it individually with respect to shape, colour and material onto a variety of products and packaging with pinpoint precision.

4PL labelling solutions rely on the tried-and-test Zebra technology and can be modularly configured with different applicators.

4PL Print & Apply with modular applicators is designed for modern production and high quality standards. From a stand-alone solution to implementation into databases and ERP systems, the 4PL labelling solution offers you the opportunity for stepless integration. Even ready-made modules for monitoring by scanner or camera can be found in our modular system. There is nothing to prevent you from starting with automation.

4PL-Applicator

Cobot	collaborative robot arm, certified according to ISO 13849-1, repeatability +/- 1mm
Tamp/ E-Tamp	left / right with stroke up to 200 mm or 400 mm, vacuum / fan pad
Rotary	left / right
Swipe	left / right for labels up to 180 mm high
Pallet	pneumatically controlled applicator with corner stand



4PL in Action

<https://youtu.be/--d7l08I0-g>

4PL-Print options	Zebra ZE521 6"	Zebra ZE511 4"
Print resolution, dpi	300	300
Label width, mm	76 - 180	16 - 114
Print width max., mm	168	104
Print speed max., mm/s	305	305
Design	right / left	right / left
Touch display PC	option	
Electrical power	115 - 230 V / 50 - 60 Hz / 110 VA	
Air supply (Tamp)	6 bar, compressed air clean and dry	

The **thermal transfer printer** generates print images for label design from all common software on request.

In addition, you receive a free Windows printer driver. With this, content can be transferred to the printer from all Windows programmes. This makes it easy to convert existing print images.

When developing the 4PL product range, we focused on **high-quality components** from international market leaders. The print image automation is therefore realised by NiceLabel.

Adding a **touch screen** makes the 4PL a stand-alone device. With a user interface tailored to your application, operation becomes simple and intuitive.

Do you want to be sure that the correct barcode has been printed? Then we will implement a **barcode scanner** on the applicator for you. This will check the labelled product directly afterwards.



Key advantages 4PL

- Attractive price-performance ratio with best quality.
- Highest flexibility through easy exchange of modular components.
- Expertise over many years supports from stand-alone solutions to label management and complete process automation.
- No protective fence required under the machinery directive.
- Maximum availability and simple operation.
- Minimised service effort optimises costs.
- Process-safe and gentle labelling of sensitive goods thanks to automatic product detection.

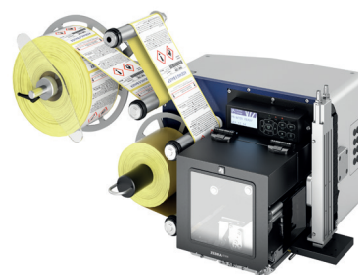


More Information:

<https://coding.koenig-bauer.com/en/products/print-and-apply/>



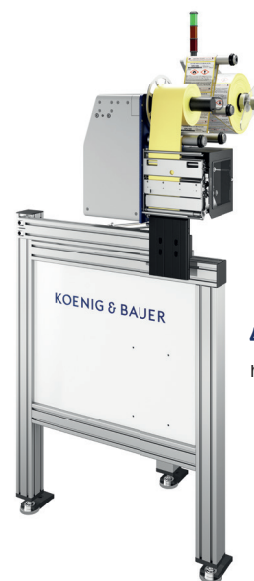
4PL Swipe labels the product in a linear movement. A brush or roller additionally presses the label onto the product and thus also enables labelling on curves or slight slopes.



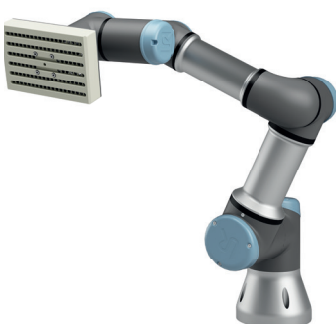
4PL Tamp / E-Tamp labels your product from one side while stationary or in motion. The all-electric E-Tamp does not require any compressed air at all.



4PL Rotary for labelling from two sides in one step or around corners. Alternatively, the coding can be done from the front and then directly from the side. With two 4PL Rotary devices a wrap-around labelling can be achieved.



4PL Pallet can label pallets reliably and safely.



4PL with Cobot applicator uses the cobot arm which can be taught-in at the touch of a button, to apply labels to any areas of your product, even hard-to-reach areas (e.g. the inside of a crate).

Does the position of the labelling vary?

We can integrate a fitting scanner.

You need the 4PL Cobot for different tasks or products?

Taught-in processes can be saved and easily reproduced.

Tailor-made services

Good coding is a quality feature for production reliability - from logistics to the end consumer. It is important to maintain this at a consistently high level. We support you and your team with our customised services.

- Safeguarding your production by minimising operator errors and reacting quickly on your own.
- Maintaining excellent print quality through optimal operation on and in the system.
- Reduction of downtimes and the associated costs.



Training

Operation, service and maintenance.

Especially in a running production, a quick reaction is required in case of emergency. Well-trained employees know the tricks and tips!

We pass on our know-how in-house, at your site or in an online training course:

- correct handling
- self-reliant maintenance
- independent troubleshooting



Service and maintenance

You dedicate yourself to your core business, we ensure the availability of your coding device.

An unexpected production stoppage always has negative consequences. In addition to the sudden loss of production, there is also the stress on the line. By choosing our service plans, we will automatically remind you when maintenance is due. Regular servicing

- keeps your print image perfect
- maximises the life of your coding and marking system
- minimises the cost of unscheduled service calls

In brief: you can prevent printer breakdowns, avoid repairs and save money.



Project planning and customised application

From analysis to implementation.

Our competent engineers support you with comprehensive and long-standing expertise - also in special machine construction. Individual integration into your existing production lines is handled by our applications department with direct access to our in-house CNC machinery.

Your advantages are obvious:

- full-range supplier for industrial coding and marking
- contact partner for your individual project
- comprehensive partner network



Managed Services

Up-to-date and forward-looking.

Managed Services is an optional virtual assistant that keeps a permanent and seamless eye on the alphaJET systems and all their functions and provides live, real-time information via a dashboard. This increases performance and makes your production even safer.

- display of consumables, equipment performance and availability
- fast and qualified support via remote access
- reduction of unplanned costs due to unexpected production downtime



Consumables and spare parts

Standardised or individual.

The large portfolio of consumables for all technologies, including new in-house developments, and the close technical coordination between our development departments for equipment and consumables, leads to continuous use in production:

- optimum running properties
- broad and constantly growing portfolio, tailor-made to customer requirements
- high quality and reduced consumption



Framework contracts and call-off orders

Clever purchasing strategies save time and money.

By concluding blanket and call-off orders, you show supply bottlenecks and price fluctuations the red card. Benefit from:

- short delivery routes
- stable and plannable conditions
- outsourced warehousing



Rental concepts

An attractive alternative to buying. The principle: rights of use instead of ownership.

Reduce the capital investment for your assets. You can rent our marking and coding devices very easily and cost-effectively. This does not tie up your capital and does not require depreciation.

- You invest and yet remain liquid.
- You are flexibly moving with the times and always use modern, high-performance equipment.
- You set the rate individually to your requirements with transparent costs.

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Contact

Your non-committal inquiry by email or by telephone is the first step.
Please contact us.

Analysis

Our experts will work with you to clarify your current situation and identify your demands.

Concept

According to your demands we will make you an attractive offer and, if you wish, carry out a test run in your production.

Result

If you agree with that concept, we will realise your order and support you throughout the entire implementation process.

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