



S A F E
SERIALISATION
LABELLING
AUTOMATION



SEMI-AUTOMATIC LABELLING MACHINES



TURNKEY SOLUTIONS.

S A F E

SERIALISATION

LABELLING

AUTOMATION

- EXPERIENCED IN ALL INDUSTRIES

We, b+b Automations- und Steuerungstechnik GmbH, develop complete solutions in the fields of labelling, automation, serialisation and aggregation. Legal requirements as well as your wishes and needs are the focus here. In addition to our industry-specific standard systems, we offer complete solutions and project the necessary hardware and software modules for your application.

For this purpose, we integrate components from well-known partners in the fields of printing, sensor and vision technology. Our semi-automatic labelling systems are characterised by quality, modularity, user-friendliness and durability. Furthermore, we guarantee that most of the components installed in the semi-automatic machines can be reused if the machine will be converted to a fully automatic system in the future.



SEMI-AUTOMATIC LABELLING SOLUTIONS

All models can be extended by modules such as

- Printing unit
- Vision inspection (print presence, print data control, presence, alignment)
- Product rejection
- Serialisation (hardware and software)
- Audit Trail (21 CFR Part 11)

TNC-DS > WRAP-AROUND LABELLING OF CYLINDRICAL PRODUCTS

The TNC-DS series is used to label cylindrical products on the circumference. For this purpose, the product is manually placed in the product turning station. The labelling process is triggered by actuating the foot switch or the optionally available 2-hand control. The product is rotated, and the label is applied precisely to the circumference of the label. As standard, the model is available with different roll widths (100 to 300 mm) and different label applicators (60 to 250 mm wide) or print- and apply systems.

Optionally, the labels can be aligned using a welding seam or other product features.



If front and back labels are on one label roll, the system can also place several labels on the circumference. The distance between the labels can be adjusted in the PLC.

Depending on the operator, the output of this model is between 10 and 15 products/min.

Model

TNC-DS-60/100

TNC-DS-80/100

TNC-DS-120/150

TNC-DS-160/200

TNC-DS-200/250

TNC-DS-250/300

Products

Label width up to 60 mm / Semi-automatic machine with roll width 100 mm

Label width up to 80 mm / Semi-automatic machine with roll width 100 mm

Label width up to 80 mm 120 mm / Semi-automatic machine with roll width 150 mm

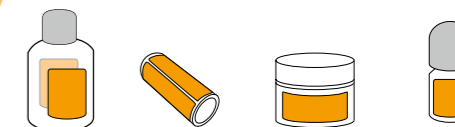
Label width up to 80 mm 160 mm / Semi-automatic machine with roll width 200 mm

Label width up to 80 mm 200 mm / Semi-automatic machine with roll width 250 mm

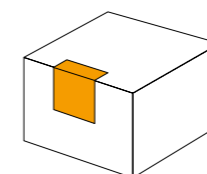
Label width up to 80 mm 250 mm / Semi-automatic machine with roll width 300 mm

TNC-F > DOUBLE-SIDED LABELLING OF SHAPED BOTTLES

Thanks to the TNC-F model series, semi-automatic labelling of shaped bottles becomes very easy. The front and back labels should be on a carrier material. The product is inserted into a product pickup device. As soon as the 2-hand operation is activated, the system starts to pick up the product in the two format pucks, rotates and aligns the product before the front and back labels are applied exactly to the desired positions. By exchanging the format parts of the product pick-up device, cylindrical or angular products can also be processed and labelled with several labels in addition to the shaped bottles.



TNC-L > SEAL LABELLING OF BOXES AND CARTONS



With the TNC-L model series, cardboard boxes and small cartons are provided with sealing or closure labels. The system can be infinitely adjusted to different formats.

We determine the format range together with the customer. Optionally, labelling can also take place at several points - for this purpose, the product must be relocated in the system.

TNC-T

> TUBE LABELLING |
CAP LABELLING

For precise labelling, products with an accessible cavity are manually placed on a format mandrel. By actuating the foot switch or the optionally available 2-hand control, the labelling process is triggered, the product is rotated, and the label is applied precisely to the circumference of the product. If front and back labels are on one label roll, the system can also place several labels on the circumference. The distance between the labels can be adjusted in the PLC.

Optionally, the labels can be aligned using a welding seam or other product features (such as opening tabs or lid recesses for tubes). A pneumatic ejection makes the removal process superfluous and blows the well labelled products into a collection box.



TNC-GG

> LARGE CONTAINER LABELLING
(cylindrical)

The TNC-GG model series was developed to apply one or more labels to large cylindrical containers at the circumference. Instead of using „die-cut“ labels, it is also possible to handle continuous label material from the roll. Depending on the size of the product, the material is cut inside the system. The largest area of application for these systems is in the beverage industry, where beverage barrels (KEGs) are provided with a deposit banderol on the circumference and thus clearly indicate the owner of the returnable containers. Highly permanent label material is used for these applications, which can no longer be removed from the product without leaving residues. We also offer fully automated solutions for this.



TNC-2F

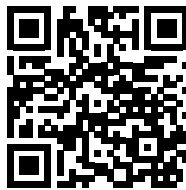
> LARGE CONTAINER LABELLING
(rectangular)

We offer the TNC-2F model for labelling large square containers such as canisters or cartons on one or more sides. For this purpose, the operator places the product in an adjustable product pick-up station. As soon as the operator actuates the foot switch, the labelling process is started, and the labels are applied.

Model

- TNC-2F-2 2- sided labelling with 2 apply systems
- TNC-2F-3 3- sided labelling with 3 apply systems





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