Solutions that stick

Die SRD Maschinenbau GmbH, based in Enger, Germany, has a well-earned reputation going back over 25 years as an efficient and innovative supplier of automatic labelling systems.

Range of products

- Semi- and fully automatic labelling systems for self-adhesive labels
- Automatic labellers with built-in thermal transfer printing systems
- Automatic pallet labellers
- Handling equipment for product infeeding and outfeeding
- Roller and belt conveyor systems
- Labelling and sorting machines for audio and video media and books
- Robot operated automation systems

In addition to a wide range of standard equipment we offer custom-made solutions for practically all industries.

Full Service from A-Z

We offer one-stop shopping, from design, manufacturing and control system software development through to integration of our products with existing computer and inventory control systems. Consultancy, support and reliable after-sales service are all part of the package.

SRD

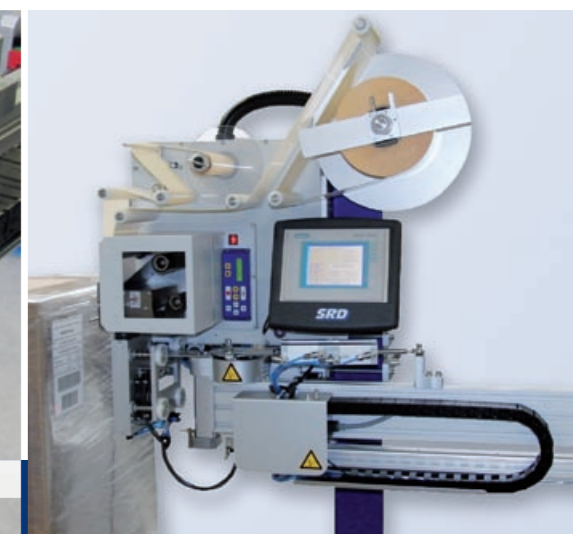*SRD Maschinenbau GmbH*

SRD

SRD Maschinenbau GmbH

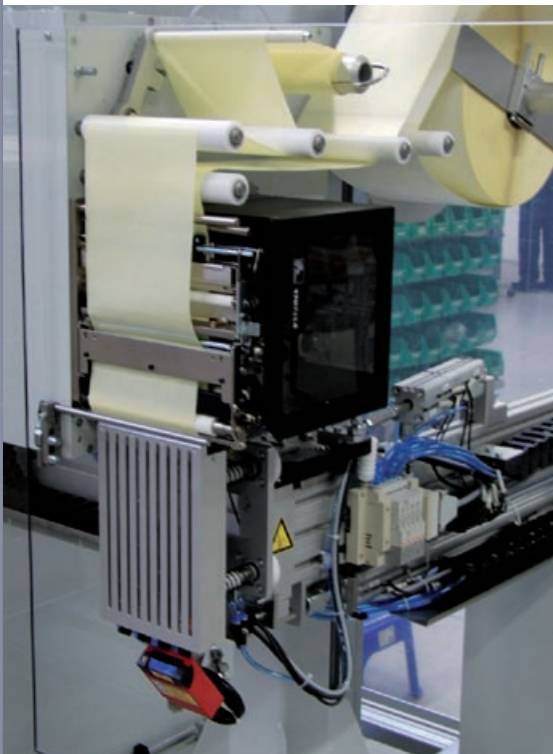# Multi-Sided Pallet Labelling

EAN128, RFID or both.
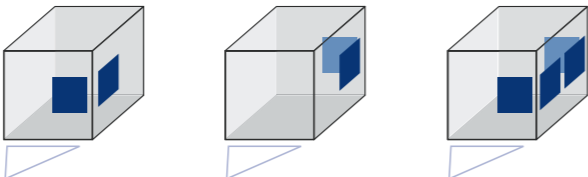
A128 Pallet Labelling System

The A128 pallet labelling system prints and applies labels up to size of A5 onto loaded pallets or other packages frontally or laterally, providing product labelling in conformity with the GS1 standard.

The **A128** is an innovative printing and labelling system based on our modus6 that is able to apply labels on up to three sides of a pallet using pneumatic drives. Just before the label application takes place specific labelling data can be printed onto the labels. To make this possible the **A128** integrates with thermal transfer print engine such as those made by Valentin, SATO, Datamax, Avery, Zebra or CAB. The pallets are labelled while stationary. Each corner to be labelled requires just one pallet stop. During each application procedure the labels are pressed on and additionally blown on using compressed air.

The labelling system may be installed to the left or right of the conveyor system.

Large-Roll Unwinder
The large-roll unwinder is capable of processing label rolls with a diameter of up to 450 mm. Roll unwinding is an active process using a 400V gear motor and a swivelling indexing lever. The printing module is not affected by the heavy weight of the label roll.

Dust protection casing
The entire labelling system can be provided with various protective enclosures as required. Protective casing is available for
- finger protection
- dust protection
- complete enclosure with automatically opening labelling flap

Control scanner
If needed a control scanner can be installed next to the labeller's transfer stamp. This device verifies the readability of a printed bar code. Since the pallet is stationary while the label is being stuck, a label can be reprinted automatically in case of a negative control result.

Control system variants
Three types of control system are available for the A128. The default type is a micro controller system specially suited to the A128 functions. However, the labelling system is also available with a built-in PLC Type SIEMENS S7-300 or as a fieldbus slave for a direct integration in a SIEMENS Profibus DP environment.

Frontal labelling

Lateral labelling

Technical specifications

Label format [1] [2]	50 x 50 mm
(label width x length of forward feed)	150 x 210 mm
Generation of air depression	ventilator
Free adaptation of suction plate to the label format	yes
Stroke length of transfer cylinder (X-axis)	500 mm (optionally up to 750 mm)
Stroke length of transfer cylinder (Y-axis)	500 mm
Automatic product recognition	yes
Press-down force adjustable	yes
Adjustable travel speed	yes
Variable product spacing	yes
Label roll diameter	320 mm
Label roll core diameter	76 mm
Aufstellfläche [3]	1.480 x 1.350 mm
Connection data	230V-50Hz / 230V-60Hz
	6 bar air pressure (oil-free, non-condensing)

1) more formats on request
2) depending on label format
3) the measurements may vary depending on the given application

Efficient RFID

Many pallets nowadays bear a transport label to the EAN128 standard. However, clients increasingly require RFID labelling for their outgoing pallets.

The A128 is an economic and efficient solution for this. The **„Efficient RFID"** adapter can be built into the automatic labeller as an additional unit. The adapter stores RFID tags provided as rolled material - without any supporting material or glue.

Only in the case of pallets requiring an RFID label the system will write the variable information into the tag using the built-in UHF read/write unit (868 MHz). It then verifies it, cuts it and sticks it onto the glued surface of the actual thermotransfer label that has simultaneously been printed to provide article-related information.

Both labels together are then stuck onto the pallets laterally or frontally as required.

Of course there is a verification procedure for the RFID write process. Faulty tags won't be dispensed but fed into a „bad tags" container without interfering with the production in any way.

Cutting device
RFID read/write unit
Gripper
Tag-onto-label transfer point
Tag dispenser
Tag takeover point
,Bad tags' container