AUTOMOTIVE SAMPLES

Most industries use standardized barcode labels for information exchange between customers and suppliers. Automotive industry defined a few of the globally known standards.

Several predefined label designs and samples of custom printing forms offer ideas and working templates with which to optimize the manufacturing process. Manual printing of automotive industrial standard labels, printing labels with data from different databases or even integration of printing into corporate applications - the flexibility of NiceLabel adapts the solution to your needs.

NiceLabel concentrates particularly on the following company or industry standards. These standard forms can be printed immediately after installation:

- AIAG Automotive Industry Action Group
- GM General Motors®
- GTL Global Transport Label
- Odette Organization for Data Exchange by Tele Transmission in Europe
- VDA and VDA BeloM (VDA-4902 Transport Label, Verband der Deutschen Automobilindustrie)

To start, run the main form “Automotive-MainMenu.xff”. You will be able to select one of the following automotive industry printing forms:

- AIAG label printing sample form
- GM1724a label printing sample form
- ODETTE label printing sample form
- VDA label printing sample form in English and German language

Label files following automotive standards are available in the Labels folder. ("VDA 4902-German.lbl" "VDA 4902-English.lbl" Odette.lbl GM1724a.lbl "AIAG B-10.lbl")

AIAG label standard

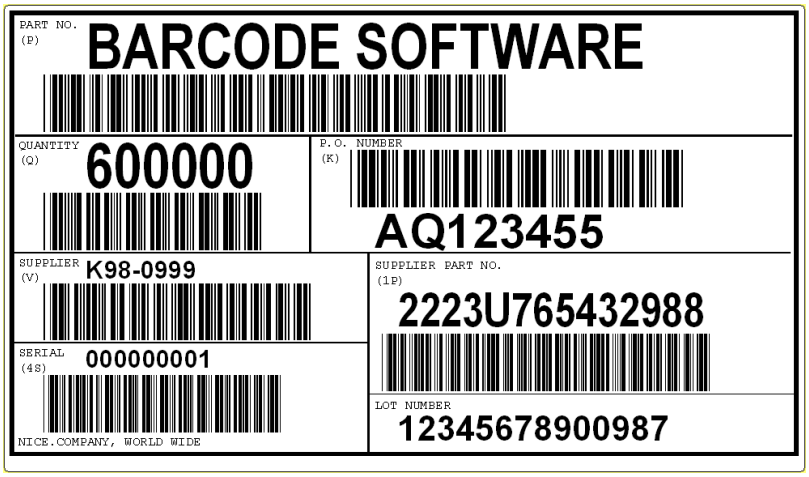
AIAG (Automotive Industry Action Group) has standardized a barcode protocol for shipping labels, automotive parts, and other applications.

NiceLabel offers you a wide range of prepared label formats in adherence to the AIAG standard. AIAG label formats are available locally after an installation of NiceLabel software.

The full range of sample labels is available at: "c:\Program Files\EuroPlus\NiceLabel 5\Samples\Labels\Compliance Labels\.."

- AIAG B-10
- AIAG B-3
- AIAG_B-10_6 x 3_Minimum Data EDI Label
- AIAG_B10_6.25x5_BMW
- AIAG_B-10_6 x 3_Minimum Data EDI Label
- AIAG_B-10_6 x 4_Minimum Data EDI Label
- AIAG_B-10_6 x 4_Mixed Load
- AIAG_B-10_6 x 5_SinglePackOfLikeParts
- AIAG_B-10_6 x 6_MasterLabel
- AIAG_B-10_6 x 9_PrimaryMetalsTag
- AIAG_COPYSPEC
- AIAG_PT1
- AIAG_PT2
- AIAG_VIN

This sample includes the AIAG B-10 label file and the custom printing application "AIAG b-10.xff". The form file is created by NiceForm for user-friendly entry of label data and printing.



Printing labels in the production environment requires a special attention. Printing applications should help the user print labels easily while maximally reducing his opportunities to make a mistake.

On the other hand, the production requirements and the complexity of label printing solutions should not be neglected.

The sample form includes edit fields, which are used to assign values to variables on the label. This is the optimal solution for users who do not know or do not need to know how to operate NiceLabel. The user simply fills the required fields and clicks the "Print" button, and NiceLabel prints the label.

GM1724 Label Standard

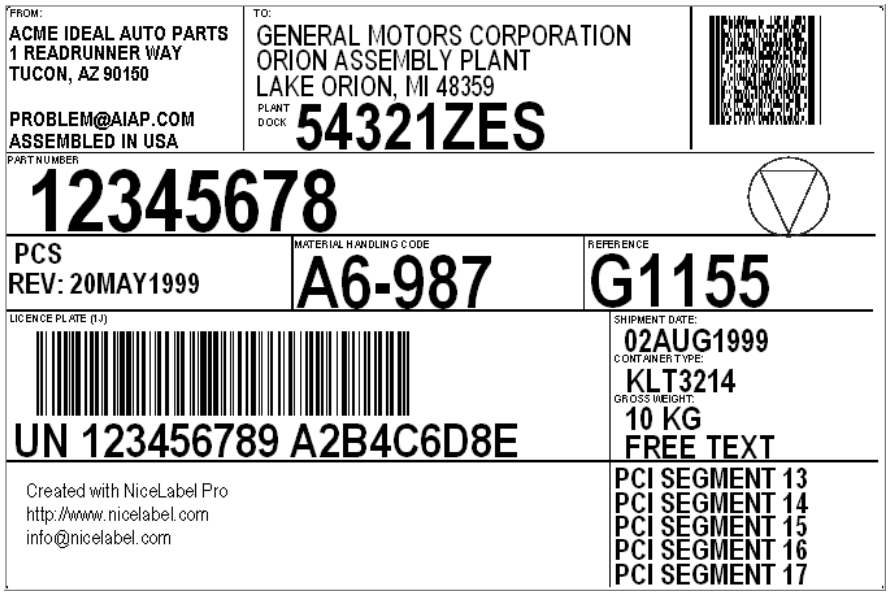
NiceLabel has been certified by General Motors as compliant with the GM1724 label standard. The labeling standard precisely determines two types of barcodes - two-dimensional PDF417 bar code and a traditional one-dimensional CODE128 bar code. The layout of the label is also defined. Compliant labels must include all required information, use specific fonts and include bar codes that can be scanned successfully at all points in the supply chain.

At this time, shipments by GM suppliers use the GM1724 label standard, but General Motors has offered the GM1724 label series as a model for an international standard to be used in the automotive industry. General Motors is working with automakers, suppliers, industry associations, and standard bodies worldwide to gain support.

The GM1724-A Individual Container Label Template is used with single containers containing one or more single part numbers. The label template is also the foundation for the other standards in this series, including European Version 4/KLT and the 1724B master label for multiple containers.

Label format "GM1724A .lbl"

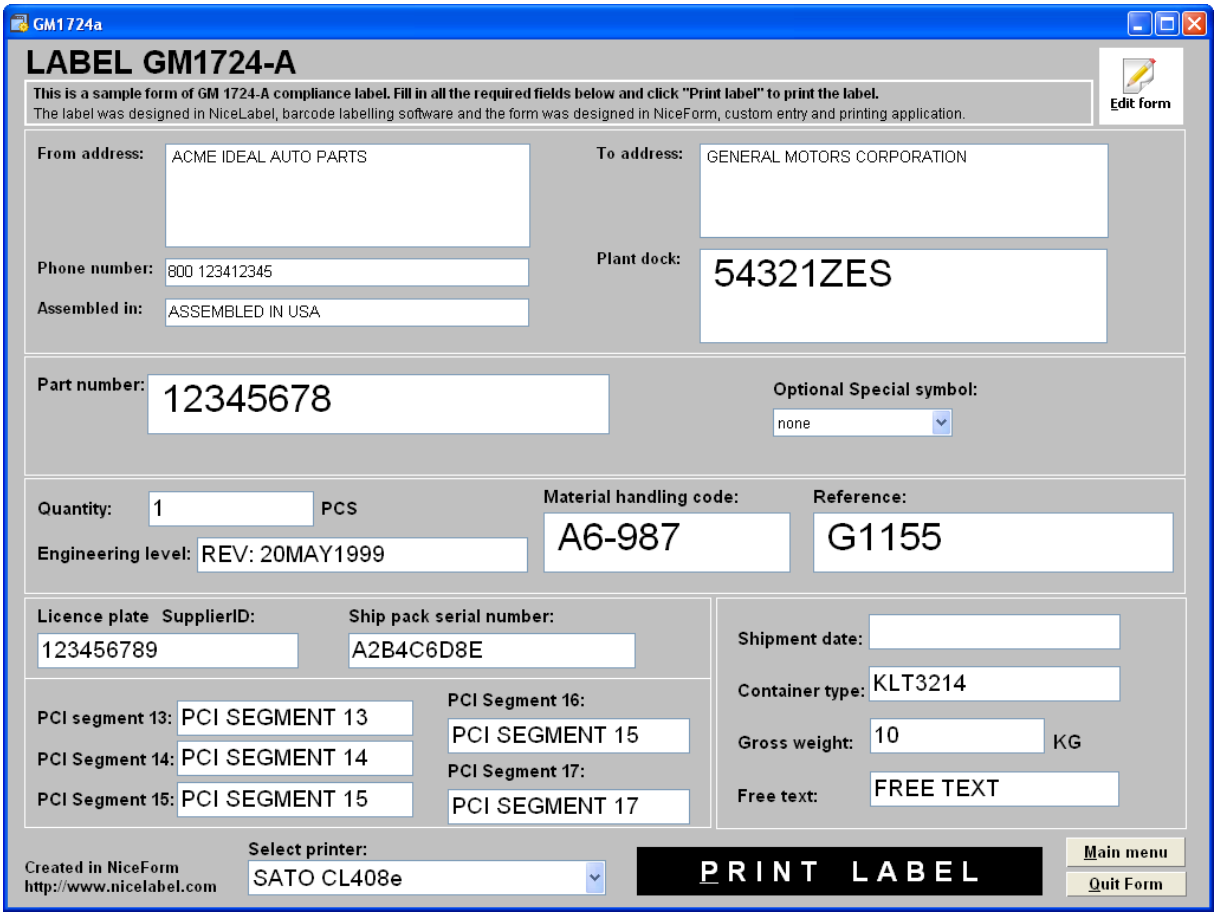
The layout of the label is fixed and designed according to the standard. The only things that need updating are the data fields on the label, which change with every printed label. The user enters appropriate values for variables before printing. This is done in the printing dialog box when label production is initiated.



NiceForm label printing application "GM1724a.xff"

GM 1724a label printing sample form is the label data entry interface. The user is presented a form that has the same layout as the label. The form contains edit fields, which are used to assign values to variables on the label. The custom printing applications made by NiceForm allow unskilled users to enter data and print labels with no need for additional training.

The label solution could be further enhanced by implementing database support.



ODETTE Label Standard

ODETTE stands for “Organization for Data Exchange by Tele-Transmission in Europe”.

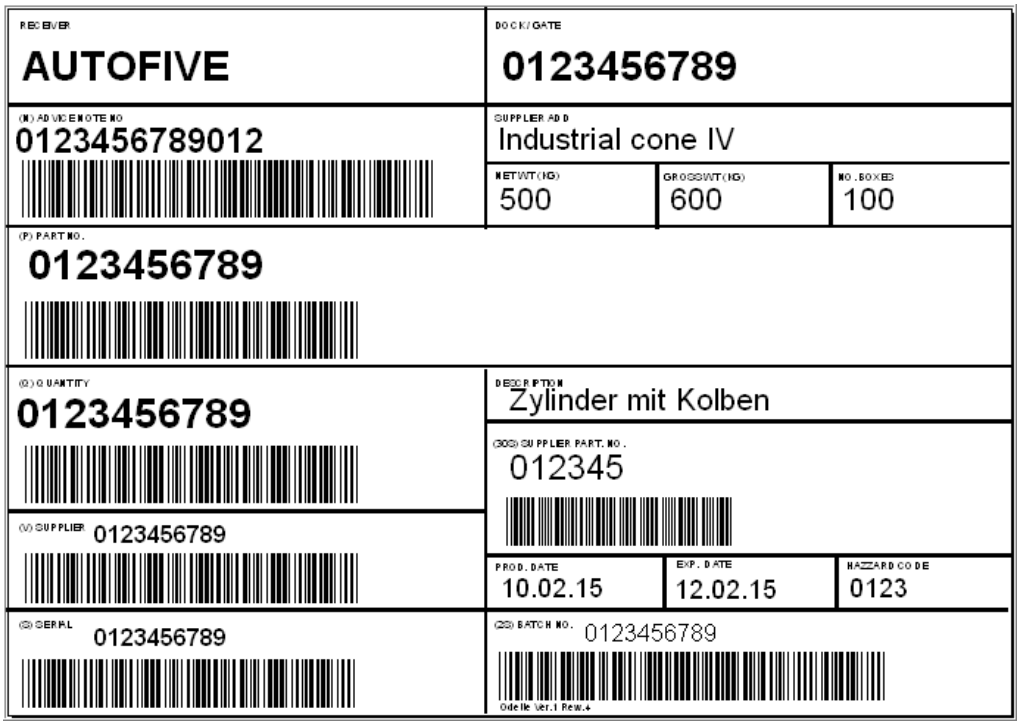
Odette International is an organization, formed by the automotive industry for the automotive industry. It sets the standards for e-business communication, engineering data exchange and logistics management in the European motor industry and their global trading partners.

Global Transport Label

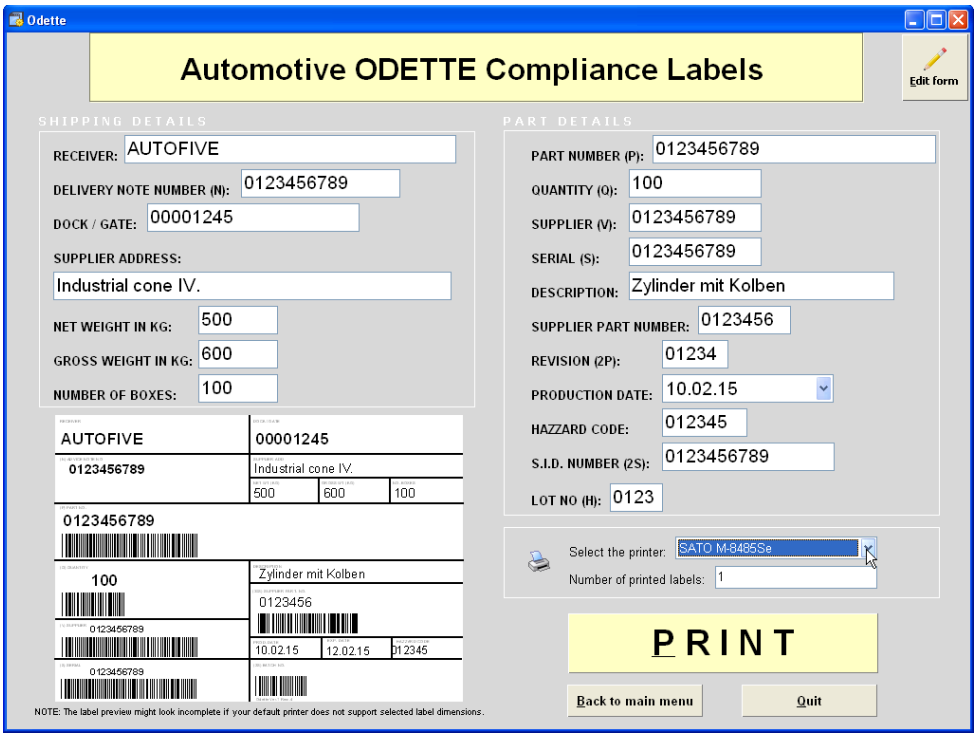
The label has been developed by Odette International in conjunction with the US Automotive Industry Action Group (AIAG), the Japan Automobile Manufacturers Association (JAMA) and the Japan Auto Parts Industries Association (JAPIA), together representing over 80% of world-wide automotive production. IT is widely used throughout the automotive industry in Europe.

The ODETTE Transport Label travels with the goods from consignor to consignee. It is usually attached to the container or package in which the goods are packed. Its purpose is to accurately identify the goods via bar coding and to relate the physical arrival of the goods to the previously received ODETTE Despatch Advice message.

The Standard Transport Label, typically A5 size, is divided into a number of boxes, called fields. These fields are divided into two categories, shipping details and part details.



Manual printing of Odette bar code labels is simplified by a simple form created by NiceForm. Even untrained users are able to use the application immediately.

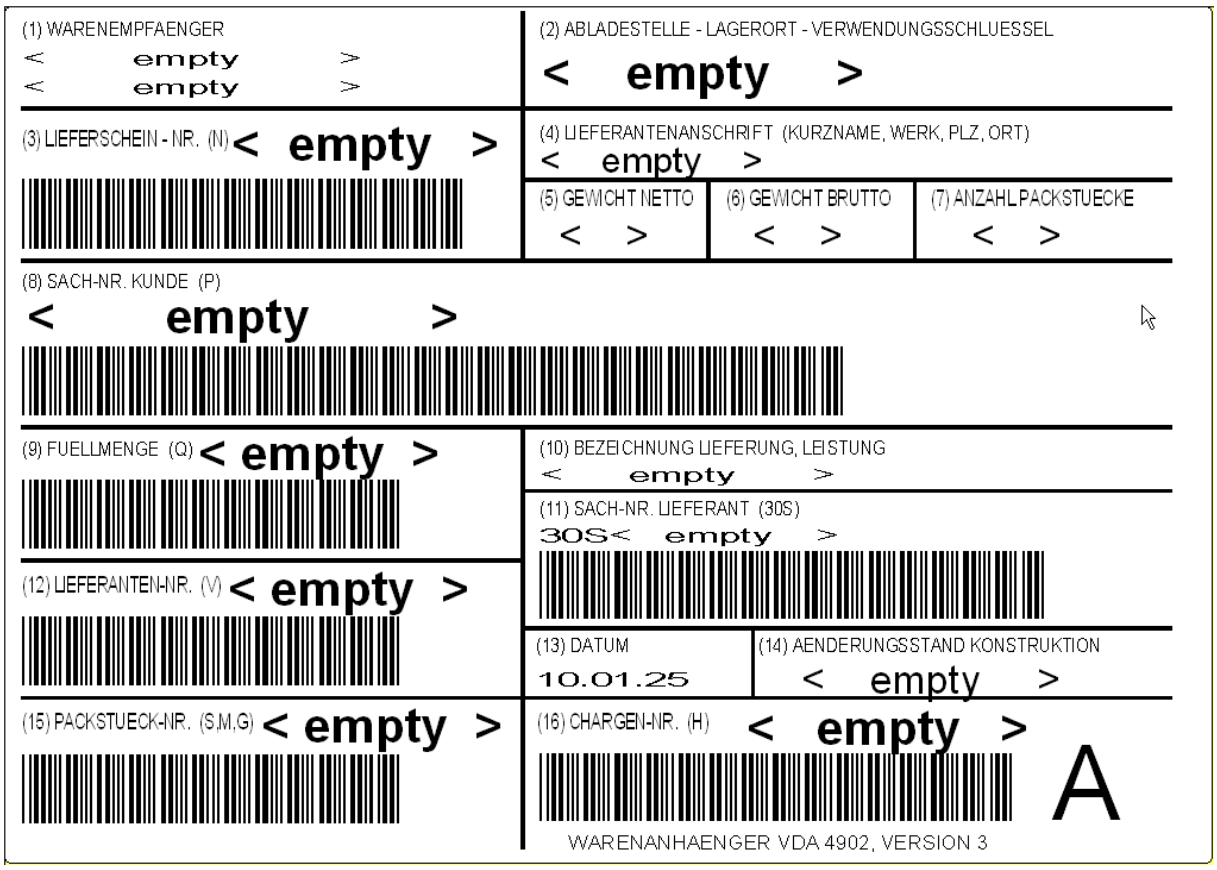


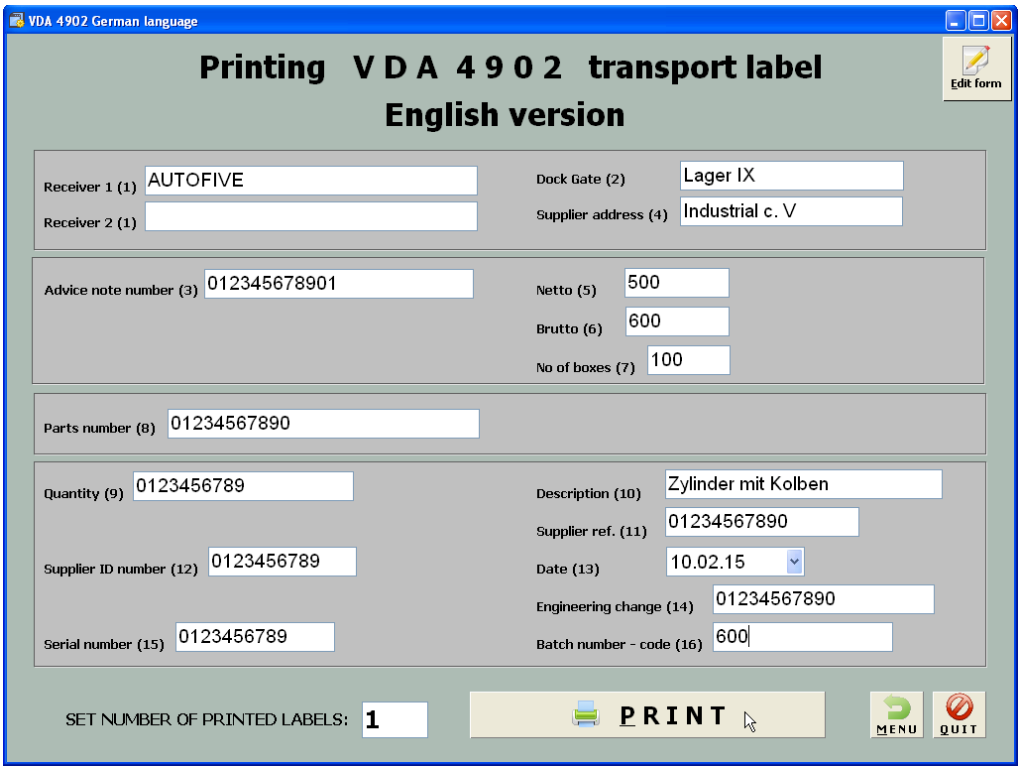
The contents of the printed labels is based on manual data input. The label layout or the form file can easily be changed and used as a template in any real production environment. Data can then be imported from an external data source or supplied via program code by an application.

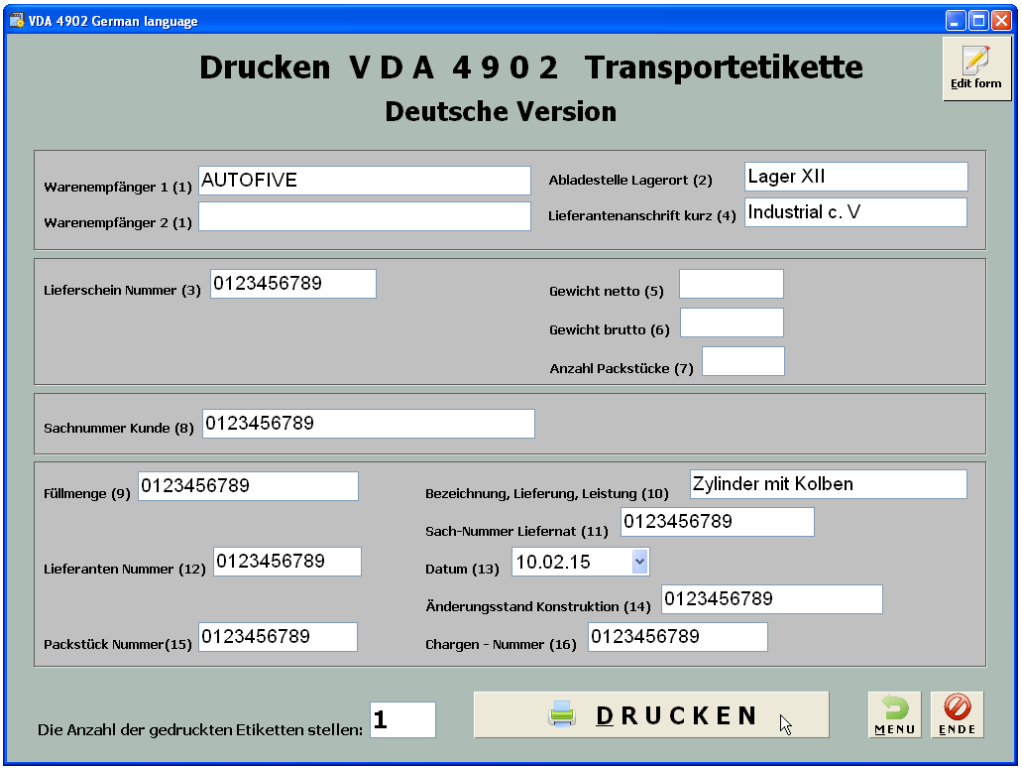
VDA-4902 Label Standard

The VDA-4902 shipping label is mostly used in the automotive industry in Europe. The VDA-4902 label uniquely identifies means of transport and load carries in the internal material flow and in transit between the supplier, forwarder, and recipient of the goods. All suppliers must ensure that all means of transport and load carries carry a current and accurate barcoded goods tag in accordance with VDA Recommendation 4902 Version 4 or later.

NiceLabel supports all VDA 4902 standard recommendations. This industry label format sample is available as a NiceLabel label format in the **German** and **English** language.




VDA 4902 German language
Printing V D A 4 9 0 2 transport label
English version
Edit form
Receiver 1 (1) AUTOFIVE
Receiver 2 (1)
Dock Gate (2) Lager IX
Supplier address (4) Industrial c. V
Advice note number (3) 012345678901
Netto (5) 500
Brutto (6) 600
No of boxes (7) 100
Parts number (8) 01234567890
Quantity (9) 0123456789
Description (10) Zylinder mit Kolben
Supplier ref. (11) 01234567890
Supplier ID number (12) 0123456789
Date (13) 10.02.15
Engineering change (14) 01234567890
Serial number (15) 0123456789
Batch number - code (16) 600
SET NUMBER OF PRINTED LABELS: 1
PRINT
MENU
QUIT


VDA 4902 German language
Drucken V D A 4 9 0 2 Transportetikette
Deutsche Version
Edit form
Warenempfänger 1 (1) AUTOFIVE
Warenempfänger 2 (1)
Abladestelle Lagerort (2) Lager XII
Lieferantenanschrift kurz (4) Industrial c. V
Lieferschein Nummer (3) 0123456789
Gewicht netto (5)
Gewicht brutto (6)
Anzahl Packstücke (7)
Sachnummer Kunde (8) 0123456789
Füllmenge (9) 0123456789
Bezeichnung, Lieferung, Leistung (10) Zylinder mit Kolben
Sach-Nummer Liefernat (11) 0123456789
Lieferanten Nummer (12) 0123456789
Datum (13) 10.02.15
Änderungsstand Konstruktion (14) 0123456789
Packstück Nummer(15) 0123456789
Chargen - Nummer (16) 0123456789
Die Anzahl der gedruckten Etiketten stellen: 1
DRUCKEN
MENU
ENDE