

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.

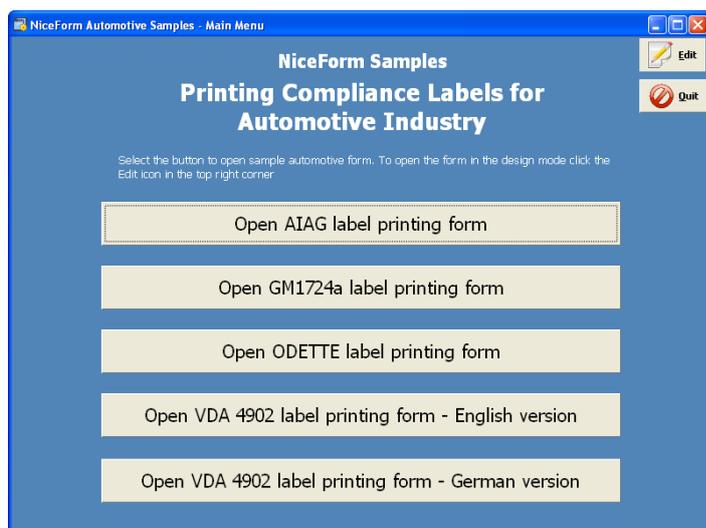
Several predefined label designs and samples of custom printing forms offer ideas and working templates with which to optimize the manufacturing process. Manual printing of automotive industrial standard labels, printing labels with data from different databases or even integration of printing into corporate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

PART NO. (P) BARCODE SOFTWARE	
	
QUANTITY (Q) 600000	P. O. NUMBER (K)  AQ123455
SUPPLIER (V) K98-0999	SUPPLIER PART NO. (1P) 2223U765432988
SERIAL (4S) 00000001	LOT NUMBER 12345678900987
NICE.COMPANY, WORLD WIDE	

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.

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.

FROM: ACME IDEAL AUTO PARTS 1 READRUNNER WAY TUCON, AZ 90150 PROBLEM@AIAP.COM ASSEMBLED IN USA		TO: GENERAL MOTORS CORPORATION ORION ASSEMBLY PLANT LAKE ORION, MI 48359 PLANT DOCK 54321ZES			
12345678 					
PCS REV: 20MAY1999		MATERIAL HANDLING CODE A6-987		REFERENCE G1155	
LICENCE PLATE (1-1)  UN 123456789 A2B4C6D8E				SHIPMENT DATE: 02AUG1999 CONTAINER TYPE: KLT3214 GROSS WEIGHT: 10 KG FREE TEXT	
Created with NiceLabel Pro http://www.nicelabel.com info@nicelabel.com				PCI SEGMENT 13 PCI SEGMENT 14 PCI SEGMENT 15 PCI SEGMENT 16 PCI SEGMENT 17	

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.

GM1724a

LABEL GM1724-A

This is a sample form of GM 1724-A compliance label. Fill in all the required fields below and click "Print label" to print the label.
The label was designed in NiceLabel, barcode labelling software and the form was designed in NiceForm, custom entry and printing application.

Edit form

From address: ACME IDEAL AUTO PARTS

To address: GENERAL MOTORS CORPORATION

Phone number: 800 123412345

Assembled in: ASSEMBLED IN USA

Plant dock: 54321ZES

Part number: 12345678

Optional Special symbol: none

Quantity: 1 PCS

Material handling code: A6-987

Reference: G1155

Engineering level: REV: 20MAY1999

Licence plate: 123456789

SupplierID: 123456789

Ship pack serial number: A2B4C6D8E

Shipment date:

Container type: KLT3214

Gross weight: 10 KG

Free text: FREE TEXT

PCI segment 13: PCI SEGMENT 13

PCI Segment 14: PCI SEGMENT 14

PCI Segment 15: PCI SEGMENT 15

PCI Segment 16: PCI SEGMENT 15

PCI Segment 17: PCI SEGMENT 17

Select printer: SATO CL408e

PRINT LABEL

Main menu

Quit Form

Created in NiceForm
http://www.nicelabel.com

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.

<small>RECEIVER</small> AUTOFIVE		<small>DOCK/GATE</small> 0123456789	
<small>(N) ADVISE NOTE NO.</small> 0123456789012 		<small>SUPPLIER ADD.</small> Industrial cone IV	
		<small>NET WT. (KG)</small> 500	<small>GROSS WT. (KG)</small> 600
		<small>NO. BOXES</small> 100	
<small>(P) PART NO.</small> 0123456789 			
<small>(Q) QUANTITY</small> 0123456789 		<small>DESCRIPTION</small> Zylinder mit Kolben	
<small>(O) SUPPLIER</small> 0123456789 		<small>(300) SUPPLIER PART. NO.</small> 012345 	
		<small>PROD. DATE</small> 10.02.15	<small>EXP. DATE</small> 12.02.15
		<small>HAZARD CODE</small> 0123	
<small>(S) SERIAL</small> 0123456789 		<small>(20) BATCH NO.</small> 0123456789 	
<small>ODETTE Ver. 1 Rev. 4</small>			

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.

Odette Automotive ODETTE Compliance Labels

SHIPPING DETAILS

RECEIVER:

DELIVERY NOTE NUMBER (N):

DOCK / GATE:

SUPPLIER ADDRESS:

NET WEIGHT IN KG:

GROSS WEIGHT IN KG:

NUMBER OF BOXES:

RECEIVER: AUTOFIVE		DOCK / GATE: 00001245	
DELIVERY NOTE NUMBER (N): 0123456789		SUPPLIER ADDRESS: Industrial cone IV.	
NET WEIGHT IN KG: 500	GROSS WEIGHT IN KG: 600	NUMBER OF BOXES: 100	

PART DETAILS

PART NUMBER (P):

QUANTITY (Q):

SUPPLIER (V):

SERIAL (S):

DESCRIPTION:

SUPPLIER PART NUMBER:

REVISION (RP):

PRODUCTION DATE:

HAZZARD CODE:

S.I.D. NUMBER (2S):

LOT NO (H):

Select the printer:

Number of printed labels:

PRINT

NOTE: The label preview might look incomplete if your default printer does not support selected label dimensions.

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.

(1) WARENEMPFÄNGER < empty > < empty >	(2) ABLADESTELLE - LAGERORT - VERWENDUNGSSCHLUESSEL < empty >		
(3) LIEFERSCHEIN - NR. (N) < empty > 	(4) LIEFERANTENANSCHRIFT (KURZNAME, WERK, PLZ, ORT) < empty >		(7) ANZAHL PACKSTUECKE < >
(8) SACH-NR. KUNDE (P) < empty > 	(5) GEWICHT NETTO < >	(6) GEWICHT BRUTTO < >	(7) ANZAHL PACKSTUECKE < >
(9) FUELLMENGE (Q) < empty > 	(10) BEZEICHNUNG LIEFERUNG, LEISTUNG < empty >		
(12) LIEFERANTEN-NR. (V) < empty > 	(11) SACH-NR. LIEFERANT (30S) 30S < empty > 		
(15) PACKSTUECK-NR. (S,M,G) < empty > 	(13) DATUM 10.01.25	(14) AENDERUNGSSTAND KONSTRUKTION < empty >	
(16) CHARGE-NR. (H) < empty >  A	WARENANHAENGER VDA 4902, VERSION 3		

VDA 4902 German language

Printing V D A 4 9 0 2 transport label English version

Edit form

Receiver 1 (1) <input type="text" value="AUTOFIVE"/>	Dock Gate (2) <input type="text" value="Lager IX"/>
Receiver 2 (1) <input type="text"/>	Supplier address (4) <input type="text" value="Industrial c. V"/>

Advice note number (3) <input type="text" value="012345678901"/>	Netto (5) <input type="text" value="500"/>
	Brutto (6) <input type="text" value="600"/>
	No of boxes (7) <input type="text" value="100"/>

Parts number (8) <input type="text" value="01234567890"/>

Quantity (9) <input type="text" value="0123456789"/>	Description (10) <input type="text" value="Zylinder mit Kolben"/>
	Supplier ref. (11) <input type="text" value="01234567890"/>
Supplier ID number (12) <input type="text" value="0123456789"/>	Date (13) <input type="text" value="10.02.15"/>
	Engineering change (14) <input type="text" value="01234567890"/>
Serial number (15) <input type="text" value="0123456789"/>	Batch number - code (16) <input type="text" value="600"/>

SET NUMBER OF PRINTED LABELS:

PRINT **MENU** **QUIT**

VDA 4902 German language

Drucken V D A 4 9 0 2 Transportetikette Deutsche Version

Edit form

Warenempfänger 1 (1) <input type="text" value="AUTOFIVE"/>	Abladestelle Lagerort (2) <input type="text" value="Lager XII"/>
Warenempfänger 2 (1) <input type="text"/>	Lieferantenanschrift kurz (4) <input type="text" value="Industrial c. V"/>

Lieferschein Nummer (3) <input type="text" value="0123456789"/>	Gewicht netto (5) <input type="text"/>
	Gewicht brutto (6) <input type="text"/>
	Anzahl Packstücke (7) <input type="text"/>

Sachnummer Kunde (8) <input type="text" value="0123456789"/>
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Füllmenge (9) <input type="text" value="0123456789"/>	Bezeichnung, Lieferung, Leistung (10) <input type="text" value="Zylinder mit Kolben"/>
	Sach-Nummer Liefernat (11) <input type="text" value="0123456789"/>
Lieferanten Nummer (12) <input type="text" value="0123456789"/>	Datum (13) <input type="text" value="10.02.15"/>
	Änderungsstand Konstruktion (14) <input type="text" value="0123456789"/>
Packstück Nummer(15) <input type="text" value="0123456789"/>	Chargen - Nummer (16) <input type="text" value="0123456789"/>

Die Anzahl der gedruckten Etiketten stellen:

DRUCKEN **MENU** **ENDE**