cab

Apollo

The Transfer Printers
with a wide Range of Accessories

Edition 5

Advance development brings forth leaders.
Apollo leads the field.

Performance Features Apollo

- Serial data transfer up to 57,600 Baud or parallel Centronics interface

- LCD display to keep you informed on the current printer status

- Stand-alone operation with PC card and PC keyboard or scanner

- Comprehensive range of accessories: present sensor, cutter and external rewinder can be fitted at a later stage.

- The print head can be moved up for easy cleaning. This increases service life and ensures a constant print quality.

- The modular design of the complete Apollo family ensures fast and enconomical servicing.

- News you find on our homepage: **www.cabgmbh.com**

For 15 years cab has been the specialist for label printing systems in Europe and is at the forefront of new product development.
With the Apollo family of machines we can offer a complete programme of label printers with outstanding technology for all areas of label printing and component identification.

The high quality Apollo transfer printers provide character fonts, bar codes and graphics with precise definition, in the highest print quality. Apollo printers are the ideal solution for your exacting label requirements. You can start with the basic machine. A cutter, rewinder or applicator can be added at a later stage as required.

Practical Cutter
The cutter is easy to fit without any tools. Labels or endless material of up to 180 g/m^2 can be cut off individually, in groups or at the end of the printing job.
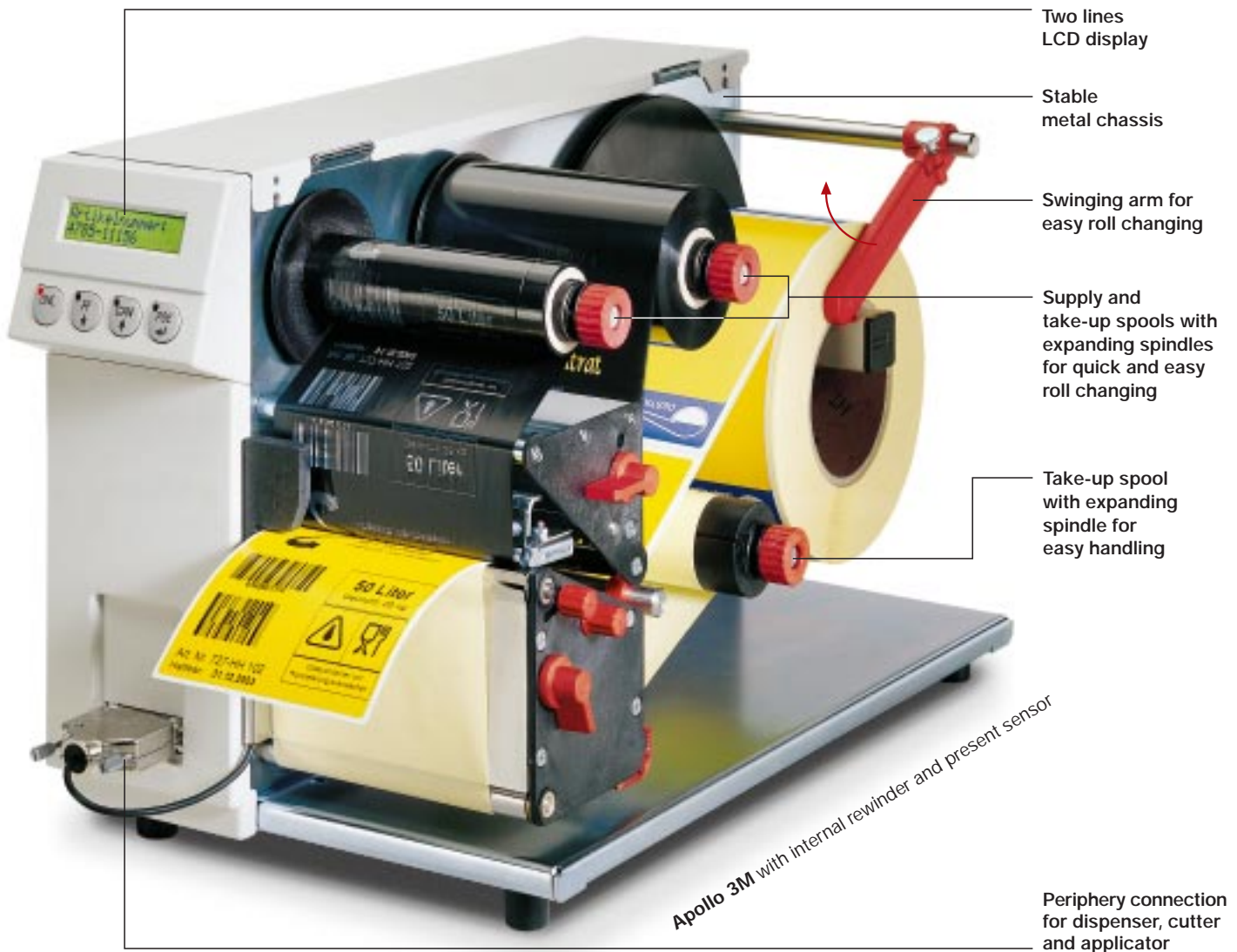
Powerful Rewinder
Fitted with a powerful winder motor, media rolls of up to 200 mm external diameter can be rewound with the labels facing inwards or outwards as required.

Internal Rewinder
Labels up to a diameter of 145 mm can rewound with the internal rewinder. Therefore the tear off plate is replaced by the rewind guide plate.

Two lines LCD display

Stable metal chassis

Swinging arm for easy roll changing

Supply and take-up spools with expanding spindles for quick and easy roll changing

Take-up spool with expanding spindle for easy handling

Apollo 3M with internal rewinder and present sensor

Periphery connection for dispenser, cutter and applicator

PC card (PCMCIA)

With the PC cards from 2 MB to 16 MB the printers can be used as stand alone. The PC cards are available in Flash and SRAM format.

Data Input with PC Keyboard or Scanner only

To use a PC keyboard or a scanner for data transfer, plug the cab keyboard adapter into the serial port. Basic label data is transferred from the PC card and variable data input is done via a keyboard or a scanner and printed out on the printer. The LCD display shows all relevant data.

![cab logo]

Internal Rewinder

The modular rewinder retrofit kit for the Apollo 3M.

To rewind labels or backing paper, when labels are presented.

Cut and dispense adapter

Cuts and despenses on request.

Released by an external signal, esp. by a key or a foot switch, the next label is printed.

Printing and Labelling in one Process

The Apollo 1 makes automatic labelling affordable for every place of work. Both very small as well as larger labels can be quickly and economically applied.

- Computer controlled, the labels which can each have individual information shown, are printed, dispensed and applied – fast and exact.
- The items to be labelled can be fed either by hand or automatically. Apollo adapts to your requirements.

Consult our product specialist to solve your labelling tasks.

Printing all Bar Codes

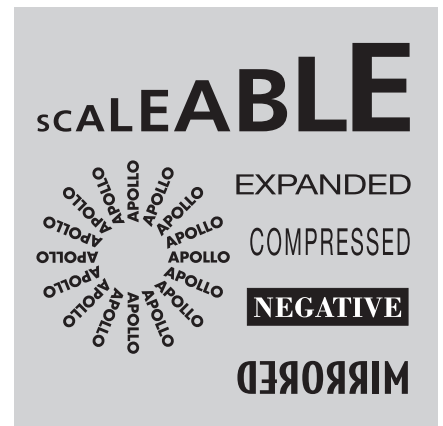The A8 printer precisely prints all usual bar codes including two-dimensional codes such as Data Matrix.

13000005964

Quality becomes visible with clearly defined labels

Optimal label design is only possible when the printed characters can be formed as you wish.

Whether inverted, oblique, rotated to any desired angle, circular or mirrored; vector fonts cater for every requirement.

Due to the use of Windows™ True Type fonts, all printers in the Apollo family offer an almost limitless choice of characters.

sCALEABLE

EXPANDED

COMPRESSED

NEGATIVE

MIRRORED

EASYLABEL 32/Windows Driver

With EASYLABEL or the Windows driver you can create your labels quickly and easily. Ask for a leaflet and download the demo software from our website.

Labels to your Requirements

We can supply many different standard label sizes, and also produce label stock according to your requirements in a wide range of differing materials.

Transfer Ribbons in all Widths

To ensure a high quality of print, both label stock and transfer ribbons have been developed to be fully compatible. We offer eight different standard widths in five different qualities.

Technical Data

	Type	Apollo 1 300RS	Apollo 2 300R	Apollo 3 200M	Apollo 3 300M
	Part No.	5536400	5534700	5942200	5942201
Print resolution dpi		300	300	200	300
Print speed mm/sec		200	200	125	85
Print width up to mm		108	108	104	106
Ribbon saver		●			
Printhead lifted during the label backfeed		●			
Cutter	5560433	○	○	○	○
Collecting box for cutter	5539114	○	○	○	○
External Rewinder	5560945	○	○	○	○
Internal Rewinder	5942210	●	●	○	○
Present sensor manuell	5534375	○	○	○	○
Dispense adapter automatik	5533265	○	○	○	○
Cut and dispense adapter	5537050	○	○	○	○
PC-Card Flash 2 MB	5560406	○	○	○	○
PC-Card Flash 4 MB	5560405	○	○	○	○
PC-Card SRAM 2 MB	5561412	○	○	○	○
PC-Card SRAM 4 MB	5561413	○	○	○	○
PC keyboard adapter	5533900	○	○	○	○
Cable parallel/parallel	5550771	○	○	○	○
Cable serial/serial at PC 9 pin	5550807	○	○	○	○
Cable serial/serial at PC 25 pin	5550806	○	○	○	○
Numeric PC keyboard	5560250	○	○	○	○
Coax Converter	5551280	○	○	○	○
Twinax Converter	5551279	○	○	○	○
Minilink wireless set	5570334	○	○	○	○
Windows driver	5580132	●	●	●	●

● = Standard ○ = Optional

Method of printing Thermal/thermal transfer

Print head   Thin-film transfer head

Character fonts
5 Bitmap fonts including OCR-A, OCR-B,
2 Vector fonts available internally, loadable
Speedo and True Type fonts.

Character sets
Windows 1250/1252, IBM Codepage 850/852,
EBCDIC, ISO 8859-1, ISO 8859-8, Macintosh.
All West and East European, latin characters
are supported, Euro sign possible.

Character sizes
Vector fonts: width and height 0,9 - 128 mm,
               infinitely variable
Bitmap fonts: width and height 1 - 3 mm, vari-
               able in steps up to a factor of 10

Font formats
Bold, italic, underlined, outline, negative, grey
(in all cases dependent upon the character font).

Print direction
Bitmap fonts and bar codes: 0°, 90°, 180°, 270°.
Speedo fonts and True Type fonts: any direc-
tion of rotation, circular text, mirrored label
image.

Graphic elements
Line, box, circle, ellipse, filled segments, arrow.

Graphic format
PCX, IMG, BMP, TIF, GIF, MAC

Bar Codes
CODE 39, CODE 93	Interleaved 2/5
CODE 128 A, B, C	Deutsche Post AG
Codabar	Identity and Lead Code
EAN 8, 13, 128	Jan 8, 13
EAN/UCC 128	MSI
EAN/UPC Anhang 2	Plessey
EAN/UPC Anhang 5	Postnet
FIM	UPC A, E
HIBC	

2-D Bar Codes: Data Matrix, PDF 417,
                UPS Maxicode

Bar codes variable in height, module width,
and ratio. As required with test code, printed
characters and start/stop code.

Prozessor   32 Bit, Motorola

RAM   2 MByte

PCMCIA slot   for PC card
Apollo 1/2   2, 4 MByte
Apollo 3   2, 4 MByte
Apollo 3   16 MByte on request

Interfaces
Serial/8 Bit: RS-232 C 1,200 - 57,600 Baud
               RS-422   1,200 - 57,600 Baud
               RS-485   1,200 - 57,600 Baud
Parallel: Centronics

External connector
Connector for cutter, present sensor and
stamp applicator.

Test facilities
System diagnosis upon switching ON,
Self-test with print-out of system data.

Labels and endless material
Roll diameter   up to 200 mm
Core diameter   bigger as 40 mm
Thermal paper, standard paper
Plastic foil: PE, PP, PVC, Polyamide
Adhesive labels/weight $60 - 160 \text{ g/m}^2$
Cardboard/weight   up to 180 g/m^2
Width of material passage up to 118 mm
Label width   12 - 116 mm
Label height Apollo 1 and 2   5 - 546 mm
              Apollo 3/200M   5 - 934 mm
              Apollo 3/300M   5 - 417 mm
Labels wound facing inwards or outwards

Transfer ribbon
Length   360 m
Width   up to 114 mm
Core diameter   25 mm
Coated side facing inwards or outwards

Ribbon saver for Apollo 1
Automatically engages from 12 mm unprinted
label length. The print head is lifted during the
material feed and the transfer ribbon feed
stopped.

Label backfeed
To ensure that each new printing job always
starts at the top edge; when the label is
removed in present mode, or after cutting,
the label stock is slightly withdrawn.
To avoid the transfer ribbon rubbing on the
surface of a sensitive material, printhead of
the Apollo 1 is lifted during label backfeed.

Internal rewinder
To rewind the backing strip following printing
in presenta mode, retrofit.
Core diameter   40 mm
Roll diameter   up to 145 mm

System checks
Stop of printing and indication in the LCD
display if:
    end of transfer ribbon
    end of labels/endless material
    Apollo 1 print head moved up

Label sensor
For horizontal print positioning,
adjustable 3 - 48 mm
See-through sensor
    for labels on carrier ribbons or cutouts in
    case of endless material
Reflective sensor from below
    for printed marks on the back of endless
    material or translucent labels on carrier
    ribbon
Reflective sensor from above for Apollo 1, 2
    for printed marks on the front side of
    endless material

Other features
Real-time clock for print-out of date and time,
displays No. of labels still to be printed.

Control panel
4 control keys with LED's, illuminated LCD,
2x16 characters, status reports available in
6 languages.

Dimension (HxWxD)   280 x 250 x 458 mm

Weight	Apollo 1	Apollo 2	Apollo 3
	16.5 kg	15 kg	13 kg

Supply voltage
230 V~/115 V~ switchable/50 - 60 Hz

Temperature range
Operational 10 - 35° C, Humidity 10 - 85 %

The machines comply with the safety and
health regulations of the EC Directive (an EC
Declaration of Conformity is enclosed with
the machine).

cab

Distributor