# cab

# Gemini

## The real Windows Printers

- Fast data transfer
- First label printout in a second
- NT compatible
- Including all usual bar codes
- Simple operation

Edition 5

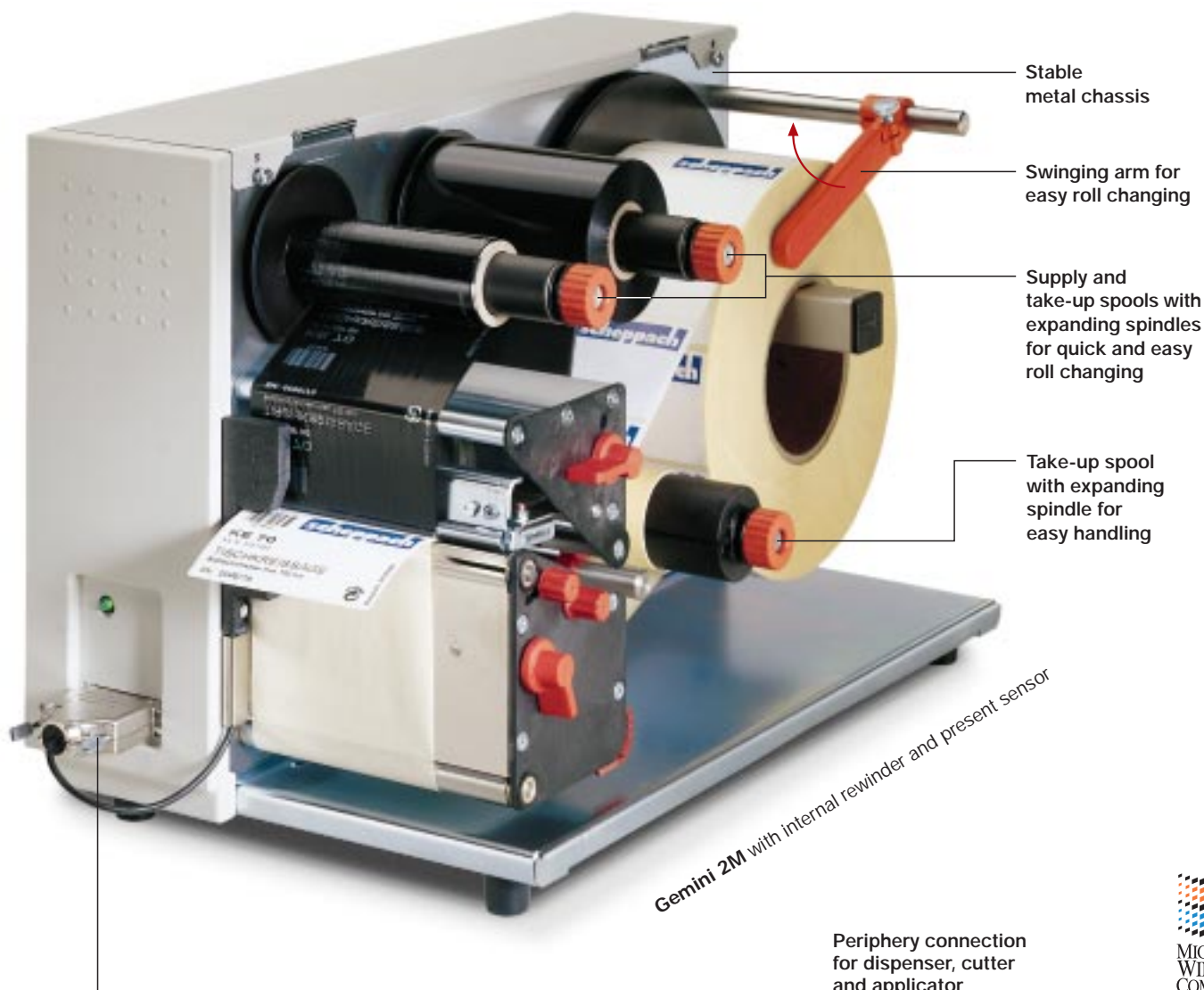# The Economical Label Printer from cab: Specially Designed for Windows™

Until now the purchase of a label printer required that special software had to be purchased too.

Gemini is the new range of printers which has been developed by cab for use under Windows™. They allow labels to be simply produced using your Windows™ program.

The Gemini series of label printers are especially economical when labels must be produced quickly and flexibly in various formats and high quality. Address, Brochure, Product or Dispatch labels can be printed directly alongside the PC on the work desk. Of course cab provides labels and ribbons in accordance with to your individual requirements.

The new Gemini series of printers makes the design and printing of labels as easy as writing a letter! All printing functions can be controlled under Windows™ - special software is not required. The powerful printer driver eliminates any delays. Your input will be printed out within seconds, in brilliant quality.

Gemini prints every label within one second irrespective of texts, graphics or bar code. This performance can only be achieved with the high speed parallel interface. Gemini is a first in label printers, nowhere else you will get your first label faster.

**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**

*Gemini 2M with internal rewinder and present sensor*

**Periphery connection for dispenser, cutter and applicator**

## Gemini T
The compact printer with tear off plate, the good value standard model.

## Gemini 2M
The printer supply-able with cutter, internal and external rewinder.
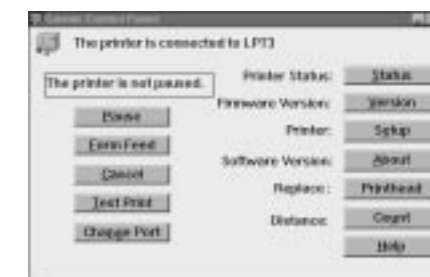
## Internal Rewinder
The modular rewinder retro-fit kit for the Gemini 2M.

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

## Windows™ Printer Driver

All of the Gemini labels printers are supplied with a fast and powerful Windows™ printer driver.

You can print your labels from nearly all Windows™ programs, e.g. from word-processing programs (Word, Word-Pad, Write), combination programs (Works, Lotus), data banks (Paradox, dBase, FoxPro, Access) or graphic software (PaintBrush, CorelDraw).

## Bar Codes

In addition to the Windows™ printer driver there is a complete program of all common bar codes. You can print bar codes fast and effectively.

EAN/UPC | Codabar
Interleaved 2/5 | PDF 417

All Windows™ character fonts can be printed, e.g.:
Bodoni City STENCIL Helvetica Rockwell Officina MACHINE Senator Rounded ✻☆✆ ηρτΖκ

All character fonts which have been installed under Windows™ can be printed by the Gemini. You have a huge choice of character fonts to choose from.

## Operation and Service

Operation is performed simply and comfortably directly via your PC monitor screen. Help is available at the press of a key. The printer can be tested by using the service menu.

MICROSOFT® WINDOWS™ COMPATIBLE

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## 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 be rewound with the internal rewinder. Therefore the tear off plate is replaced by the rewind guide plate.

## Label Software EASYLABEL
The additional software EASYLABEL for professional use. Serial numbers can be organized, characters and graphics can be rotated, squares and circles can be drawn, databases can be imported, etc.

## 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 can offer eight different standard widths in five different qualities.

# Technical Data

| | | Gemini T | Gemini 2M |
|---|---|---|---|
| 230 V~ | Part No. | 5534100 | 5942204 |
| 115 V~ | | 5534203 | |
| Print resolution **dpi** | | 200 | 200 |
| Print speed **mm/sec.** | | 70 | 100 |
| Label width up to **mm** | | 116 | 116 |
| Print width up to **mm** | | 104 | 104 |
| Roll diameter max. **mm** | | 150 | 200 |
| Cutter | 5560433 | | ○ |
| External rewinder | 5560945 | ○ | ○ |
| Internal rewinder | 5942210 | | ○ |
| Present sensor manuell | 5534375 | | ○ |
| Windows™ driver | 5580140 | ● | ● |

● = Standard  ○ = Optional

## Method of Printing
Thermal/Thermal Transfer
**Print Head**          Thin-film transfer head

## Character Font Size and Style
As according to the PC or Windows™ program installed.

## Character Orientation
All directions supported by Windows™.

## Graphics
All graphics supported by Windows™.

## Bar Codes
Installed as Bitmap fonts:

| | |
|---|---|
| Codabar | EAN/UPC Appendix 5 |
| CODE 39 | Interleaved 2/5 |
| CODE 128 A,B,C | MSI |
| EAN 8, 13 | Postnet |
| EAN/UCC 128 | UPC A, E |
| EAN/UPC Appendix 2 | |

2-D Bar Code: PDF 417

Further codes are being prepared.

## RAM
256 kByte

## Interfaces
Parallel: Centronics
Transfer Rate          40 kByte/sec.
With Fast Print          70 kByte/sec.

## External connector (Gemini 2)
Interface for cutter and present sensor

## System Settings
Thermal/Thermal Transfer mode
Batch mode, Present/Cut
Label/Endless Material, mm/inch
Print Normal/Inverted
Label orientation Portrait/Landscape
Heat Energy, Present Offset, No. of Labels, Fast Print, Print Speed.

## Monitor Controlled Functions
Pause, Form Feed, Cancel, Test Print, Port, Distance, Status.

## Monitor Screen Reports
Number of labels still to be printed, End of Paper, End of Transfer Ribbon.

## Label and Endless Material
Core Diameter          bigger than 40 mm
Thermal Paper, Normal Paper,
Plastic Ribbon: PE, PP, PVC Polyamide
Adhesive Labels/Weight          60 - 160 g/m²
Cardboard/Weight          up to 180 g/m²
Label Height          6 - 300 mm
Label Width   Gemini T          25 - 116 mm
          Gemini 2M          12 - 116 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.

## Label Backfeed
To ensure that each new printing job always starts at the top edge of the label; when the label is removed in present mode, or after cutting or at the end of printing, the label stock is slightly withdrawn.

## Internal Rewinder (Gemini 2M)
To rewind the backing strip following printing in present mode, retrofit.
Core Diameter          40 mm
Roll Diameter          up to 145 mm

## Label Sensor
For horizontal print positioning
Gemini T:          See-through sensor:
    Clearance from material edge 20 mm.
Gemini 2M:
See-through reflective photocell from below.
    Clearance from material edge 3 - 48 mm, adjustable.

## System Check
End of Paper, End of Ribbon

## Dimensions          Height x Width x Dept
    Gemini T    225 x 234 x 332 mm
    Gemini 2M    280 x 250 x 432 mm

## Weight
    Gemini T          10 kg
    Gemini 2M          13 kg

## Working Voltage
Gemini T:    230V~ or 115V~          50 - 60 Hz
Gemini 2M: 230/115V~ 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).

## Driver Software
For Windows™ programs from version 3.0, Windows™ 95/98/2000, Windows™ NT from version 4.0