

OVERVIEW

Product marking

Precision - Made in Germany



For more than 30 years now cab has been developing and manufacturing label marking systems for industry, commerce and services. Our ultimate ambitions are always best quality and best technical solutions. Our device: "Always as good as possible" instead of "Only as good as necessary".

The constant requirements, duties and responsibilities of our customers and partners demand innovative ideas and form tomorrow's products.

Our development and the entire manufacturing -according to ISO 9001- is based in Germany. Due to the fact that we manufacture the better part of our components with the latest manufacturing machines und production processes ourselves, we

can ensure a continuous quality control and offer – on a competitive basis- to the international market.

Due to our wide experience, our high aims und our customers we have become an international accepted and leading manufacturer in our branch of trade.

More than 230 employees in Germany, five cab overseas branches and 350 fully-qualified distributors in nearly 60 countries are helping us to strengthen our position within the next years.

Please find here an overview of our current sales program "Label marking systems".

The specifications are according to our current technical knowledge. They are subject to change.



Environmentally sensitive
Energy-saving
Durable



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4 Transfer printer A-series

The professional printer for industrial demands

A2+ the small sized



A4+ the fast allrounder



A6+ the broad



A8+ the extra broad



Our professional printers can be used within a broad application range. Our ambition was to create easy handling and high reliability. The print mechanism and the chassis are made of first-class material, perfectly harmonized in form and function.

Any specific customer requirement can be realized with the extensive amount of periphery and software. Stand-alone operation, PC-application or network operation: A+ is the solution - any time.

■ Standard □ Option

Transfer printer	A2+	A4+		A6+	A8+
Printing method	Thermal transfer / thermal direct				
Print resolution dpi	300	203	300	600	300
Print speed up to mm/s	150	250	250	100	200
Print width mm	54,2	104	105,6	105,6	162,6
Labels					
Roll diameter mm	210	210		210	210
Label width mm	4 - 61	4-116		50-176	50-220
Label height min. mm	4	4		6	10
Ribbon					
Length up to m	500				
Internal re-winder/only peel off					
Total diameter up to mm	145				-
Dimensions printer					
Height x depth mm	274 x 446				
Width mm	190	242		302	352
Electronics					
(RAM) MB	64				
(ROM) MB Flash	8				
Slot for CF-card Typ I up to 2 GB	■				
Slot for Cardbus/PC-Card Typ II	■				
RFID read-write unit	□				
Interfaces					
Parallel Centronics bi-directional	□				
Serial RS232 C	■				
USB 2.0 for PC-connection	■				
Ethernet 10/100 Base T	■				
Serial RS422, RS485	□				
Peripheral connection	■				
WLAN card 802.11b/g	□				
USB Master for keyboard, scanner and USB-stick	2x		■		
Codes					
Linear barcodes	all standard barcodes				
2D-Codes	Aztec, Codablock F, Data Matrix, PDF 417, Micro PDF 417, UPS Maxicode, QR-Code, RSS 14 truncated, limited, stacked und stacked omnidirectional, EAN-Datamatrix				
Software					
Windows driver	2000, XP 32/64 bit, 2003 32/64 bit, Vista 32/64 bit				
Mac driver	OS X from 10.3				
Linux driver	CUPS based				
Printer language	J-Script/abc				
Label software	cablabel				

The complete technical data are listed in the product catalogue.

Only with the extensive periphery the user gains the whole benefit of the transfer printer.

The cutter or perforation cutter can cut tough materials.

We offer different modules for automatic or manual dispensing. The labels can be rewound for further treatment.

We deliver memory cards and keyboards for stand-alone-operation.

Please contact us in case you don't find the right application for your requirements.

Internal re-winder

The dispense edge is replaced by a rewind guide plate.



External re-winder

Label winding optional inside or outside.



External un-winder

Label winding optional inside or outside.



Applicator

For semi-automatic operation or for installation in production lines.



Cutter CU

Labels, cardboards, textiles and heat shrinkable tubes can be cut.



Barcode tester

The scanner tests horizontal barcodes directly after printing.



Peel-off version

For printing and dispensing labels. The label is peeled-off during the printing process.



External panel



Numerical keyboard



Compact keyboard



Standard keyboard



Memory card



6 Transfer printer MACH4 / E4

Detailed perfection

**MACH4
with tear off plate**



**MACH4
with dispense function**



**MACH4
for cutting**



E4 with tear off plate



The future “made by cab”: MACH4, the new label printer which sets new, innovative benchmarks. It offers all the features of a high class industrial printer with a wide application range. Labels and ribbons can be inserted from the front. The print mechanism and the cover are made of premium materials and are perfectly harmonized in their form and their functions. Easy and comfortable handling and high reliability were the requirements during development. The large display with

white backlight offers best readability. The navigation pad with the additional “Enter” button simplifies the operation - thereby only the operated functions are indicated. The centred label path makes adjustments unnecessary and avoids wrinkling of the ribbon.

On the high-tech electronic board all required interfaces are serially integrated and applicable for every adapter.

**Optional: with 24 Volt removable battery
RFID read-write unit**

■ Standard □ Option

Transfer printer	MACH4			E4	
Printing method	Thermal transfer/Thermal direct			Thermal/Thermal transfer	
Print resolution dpi	203	300	600	200	300
Print speed up to mm/s	200	200	100	100	76
Print width mm	104	105,6	105,6	108	106
Labels					
Roll diameter mm	210			152	
Label width mm	6 - 116			25 - 106	
Label height mm	5 - 1000			10 - 1000	
Ribbon					
Length up to m	360			360	
Dimensions printer					
Height x depth	312 x 435			200 x 329	
Width mm	240			256	
Electronics					
(RAM) MB	64			4	
(ROM) MB Flash	8			2	
Slot for CF-card Type I up to 2 GB	■			-	
Slot for Cardbus/PC-Card Typ II	■			-	
RFID read-write unit	□			-	
Interfaces					
Parallel Centronics	□ bi-directional			■	
Serial RS232 C	■			■	
USB 2.0 for PC-connection	■			■	
Ethernet 10/100 Base T,	■			■	
WLAN card 802.11b/g	□			-	
USB Master for keyboard, scanner and USB-stick	■ 2x			-	
Codes					
Linear barcodes	All standard barcodes			All standard barcodes	
2D-Codes	Aztec, Codablock F, Datamatrix, PDF 417, Micro PDF 417, UPS Maxi-code, QR-Code, RSS 14 truncated, limited, stacked und stacked omnidirectional, EAN-Datamatrix			PDF 417, Maxicode	
Software					
Windows driver	2000, XP 32/64 bit, 2003 32/64 bit, Vista 32/64 bit			2000, XP 32 bit, 2003 32 bit	
Mac driver	OS X up to 10.3				
Linux driver	CUPS based				
Printer language	J-Script/abc				
Label software	cablabel			e-label	

The complete technical data are listed in the product catalogue.

It is made for fully automatic printing and labelling in a superior industrial environment. The PX print module prints and dispenses in every installation position and can be integrated in every production line.

The print mechanism and its function units are made of buckling resistant cast

materials and are perfectly harmonised in their form and their functions.

Spare and wear parts are easy to change.

■ Standard □ Option

Transfer printer	PX4			PX6
Printing method	Thermal transfer / Thermal direct			
Print resolution dpi	203	300	600	300
Print speed up to mm/s	200	200	100	200
Print width up to mm	104	105,6	105,6	162,6
Labels				
Label width mm	10 - 116			50 - 176
Label height mm	6 - 1.000			
Ribbon				
Length up to m	600			
Dimension printer				
Height x depth mm	300 x 330			300 x 390
Width mm	245			
Electronics				
(RAM) MB	64			
(ROM) MB Flash	8			
Slot for CF-card Type I up to 2 GB	■			
Slot for Cardbus/PC-Card Typ II	■			
Interfaces				
Parallel Centronics bidirectional	□			
Serial RS232 C	■			
USB 2.0 for PC-connection	■			
Ethernet 10/100 Base T	■			
Serial RS422, RS485	□			
WLAN card 802.11b/g	□			
Wireless Bridge 802.11b	□			
USB Master for keyboard, scanner and USB-stick	3x ■			
Peripheral connection	■			
Codes				
Linear barcodes	All standard barcodes			
2D-Codes	Aztec, Codablock F, Data Matrix, PDF 417, Micro DF 417, UPS Maxi-code, QR-Code, RSS 14 truncated, limited, stacked und stacked omnidirectional, EAN-Datamatrix			
Software				
Windows driver	2000, XP 32/64 bit, 2003 32/64 bit, Vista 32/64 bit			
Mac driver	OS X up to 10.3			
Linux driver	CUPS based			
Printer language	J-Script/abc			
Label software	cablabel			

The complete technical data are listed in the product catalogue.

Print module PX4
Dispensing to the left



Print module PX4
Dispensing to the right



Print module PX6
Dispensing to the left



Print module PX6
Dispensing to the right



8 Transfer printer Hermes A



New

A2L
Dispensing to the left.

A4L
Dispensing to the left.

A4R
Dispensing to the right.

A5L
Dispensing to the left.

A5R
Dispensing to the right.

The Hermes A is the result of more than 30 years of product development and technical know-how.

The system is especially designed for fully-automated print and apply processes in production lines.

Precise label positioning and a robust design make the Hermes A the choice for around the clock industrial labeling applications.

■ Standard □ Option

Transfer printer	A2	A4	A5
Printing method	Thermal / Thermal transfer		
Print resolution dpi	300	300 / 600	
Print speed up to mm/s	150	250 / 100	
Print width bis mm	54,2	105,6	
Labels			
Roll diameter mm	210	210	300
Label width mm	4 - 61	4 - 116	
Label height mm	4 - 200		
Ribbon			
Length up to m	500		
Internal re-winder			
Total diameter up to mm	145	145	200
Dimensions printer			
Height x depth mm	390 x 420	390 x 420	542 x 527
Width mm	220	276	276
Electronics			
(RAM) MB	16		
(ROM) MB Flash	4		
Interfaces			
Parallel Centronics bi-directional	■		
Serial RS232 C	■		
USB 2.0 for PC-connection	□		
Ethernet 10/100 Base T	□		
Serial RS422, RS85	□		
Wireless Bridge 802.11b	□		
USB Master for keyboard, scanner and USB-stick	■		
Digitale I/O-Schnittstelle	■		
Peripheral connection for cab-applicator	■		
Codes			
Linear barcodes	Alle standard barcodes		
2D-Codes	Aztec, Codablock F, Datamatrix, PDF 417, Micro PDF 417, UPS Maxi-code, QR-Code, RSS 14 truncated, limited, stacked und stacked omnidirectional, EAN-Datamatrix		
Software			
Windows driver	2000, XP 32/64 bit, 2003 32/64 bit, Vista 32/64 bit		
Mac driver	OS X ab 10.3		
Linux driver	CUPS based		
Printer language	J-Script/abc		
Label software	cablabel		

The complete technical data are listed in the product catalogue.

Label transfer in real time



The labels can be applied from downwards, upwards or sideways onto the product. The size of the tamp is customized to any label dimension. Depending on the operation mode the inclined surface is stiff, damped or spring-mounted.

The guides have ball bearings and are therefore applicable for a three-shift operation. The adjustable induction air and the lifting speed ensure a high process reliability, which is monitored by sensors.

New

Dispensing module

Applicator	1005	1300	4200	4400	5100
Blow/Tamp For blow-on or tamp-on of labels, optionally with fast change device.	Tamp For applying larger-sized labels with spring-mounted support surface for adjusting inclined surfaces.	Tamp For applying very small labels with additional horizontal label rotation of 90 or 180°.	Tamp For applying very small labels with additionally adjustable label positioning in x- or y-direction.	Roll on Mechanical dispensing module. The print speed and conveyor speed have to be synchronized.	



Further types on request.

Transfer method	Blow	Tamp	Tamp	Tamp	Tamp	Roll on
Label width mm	10 - 116	8 - 116	80 - 116	4 - 80	4 - 110	25 - 116
Label height mm	10 - 80	5 - 80	80 - 200	4 - 20	4 - 80	20 - 200
Stroke of tamp mm	100 - 400	100 - 400	100 - 400	100 - 400	100 - 400	-
Compressed air/bar	5 - 6		5 - 6	5 - 6	5 - 6	-
Product height						
variable	-	■	■	■	■	-
fixed	■	-	-	-	-	■
Product						
fixed	■	■	■	■	-	-
in motion	■	-	-	-	-	■
in rotation	-	■	-	-	■	-
Cycle time						
print and apply rate, labels/min.	30		20	12	12	60

The complete technical data are listed in the product catalogue.

10 Software tools

Printer Control

Direct programming with J-Script

J	Job Start
H 100	Speed (100 mm/s)
O R	Orientation rotated by 180°
S 11;0,0,68,70,100	Size of label (100x68 mm, gap 2 mm)
T 10,10,0,5,pt20;sample	Text object/font: Swiss bold, 20 pt
B 10,20,0,EAN-13,SC2;401234512345	Barcode EAN 13, size SC 2
G 8,3.5,0;R:30,9,0,3,0.3	Graphic, box 30 x 9 mm, Line strength 0.3 mm
A 1	Number of labels (in this example 1)

The printer language is easy to understand and integrate into your host system. Linkage of variable data with host application. Label design, graphics and fonts are recorded on the compact flash card. The host computer sends only the variable data to the printer.

abc - Basic Compiler

```

default.lbl - Editor
Datei Bearbeiten Format Ansicht ?

<ABC>
DO
  LINE INPUT a$
  IF LEFT$(a$,15)=""194300301480070" THEN
    PRINT "R t2;";MID$(a$,16)
  ENDIF
  IF LEFT$(a$,15)=""194300300580172" THEN
    PRINT "R t3;";MID$(a$,16)
  ENDIF
</ABC>
  
```

As an integrated element of the firmware it enables the printer to process data via BASIC programming before being transmitted to print editing. Thereby external printer languages can be replaced or data from other systems, e.g. SPS, can be transferred to be printed on different label sizes.

Database Connector

The database connector enables stand-alone printers to link up data from a SQL-compatible database and to print. Data can be rewritten and modified simultaneously to the printing process.

```

cabDatabaseConnector
[Check Database Connection] [ServerSettings]

20.02.2008 14:22:31 Connection succeeded.
20.02.2008 14:23:37 192.168.3.54 Port: 1796 cab Printer connect.
20.02.2008 14:23:59 SELECT * FROM article WHERE artnr='5905558'
20.02.2008 14:24:01 SELECT * FROM article WHERE artnr='5905558'
20.02.2008 14:24:02 SELECT * FROM article WHERE artnr='5905558'
20.02.2008 14:24:03 SELECT * FROM article WHERE artnr='5905558'
20.02.2008 14:24:04 SELECT * FROM article WHERE artnr='5905558'
20.02.2008 14:24:04 A3 DisConnect von 192.168.3.54

cab Produkttechnik GmbH & Co KG cabDatabaseConnector Version 3.5
  
```

Monitoring

Printer monitoring with Intra- and Internet



The integrated HTTP- and FTP-Server enables, with standard programs like web browser or FTP-clients, the print monitoring, configuration, the firmware-update and the administration of the memory card. Status signals, warning or error signals are sent to users or administrators either as email or SNMP-datagram via SNMP- and SMTP-clients.

Administration

Network Manager

The cab network manager enables the user to govern several printers within the network at the same time. It supports monitoring, configuration, firmware updates, memory card, datasynchronization and PIN-administration centrally.

Name	Type	Address	Status	Pin
---CAB---	cab A4+300	192.168.3.54	Ready	0=
---	cab D4+300	192.168.2.111	n/a	0=
Support	cab A6+300	192.168.3.50	n/a	0=
---	Hermes A5L300	192.168.3.53	n/a	0=
a3_ralf	A3700	192.168.3.51	n/a	0=
---	cab D4+300	192.168.3.57	n/a	0=
Support	cab A4+600	192.168.3.59	n/a	0=

Windows driver



Create and print your label with a Windows program for ex. MS Word, Excel, Access, Works, Corel Draw etc.

Windows printer driver are provided for 2000, XP 32/64 bit, 2003 32/64 bit, Vista 32/64 bit.

Mac OS X-Treiber



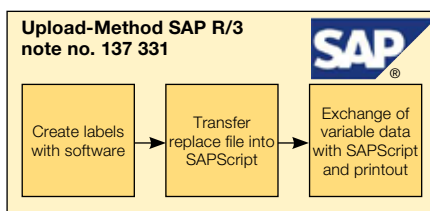
For MAC OS X cab offers a CUPS based printer driver.

Linux-Treiber



For LINUX cab offers also a CUPS based printer driver.

Integration into SAP R/3



cab developed together with SAP the "replacefile" application. This is a simple way to run cab printers with SAPScript out of SAP R/3.

The software to create labels



Perfect labels need optimized text fonts. cab offers a large number of bit-map and vector fonts. Height and width of the font can be scaled and the object can be positioned and arranged. Additional true type fonts can be downloaded to the memory card. Most of the country specific code-pages are supported.

● **cablabel R2 Lite**

Extensive standard label software. You get it - free of charge - with every cab printer.

● **cablabel R2 Pro**

Allows the embedding of data from different data bases into the label. An assistant supports the creation of UCC/EAN 128 barcodes.

Whether simple texts, barcodes, graphics and the connection of databases, cablabel R2 is the most flexible - offering 24 languages.

MDI (Multiple Document Interface) helps to open and handle several labels at the same time. Objects can be copied, moved and inserted into another label.

cablabel R2 provides its own drivers with greater response to all different functions of cab printers.

Take advantage of using the multiple possibilities of cablabel R2.

Additional label Software

The transfer printers and print and apply systems can be easily controlled with Codesoft, Bartender or NiceLabel.

cablabel R2	Lite	Pro
32-Bit Platform-compatibility		
Windows 2000 SP4, XP Professionnel SP2	■	■
Server 2003 SP2 and Vista 32 bit		
Country specific		
BE, BG, CH, CN, CZ, DE, DK, ES, EE, FR, FI, GB, GR, HU, HR, IT, IL, JP, KR, LT, LV, MK, MX, NO, NL, PT, PL, RU,	■	■
Label samples	■	■
Online document. with tutorials	■	■
Multi-level Undo	■	■
number of levels	1	40
Graphic format import	■	■
Color support	■	■
Color graphic reduction		■
Text art		■
TrueType font	■	■
Graphic barcodes numbers	■	■
	9	37
Native printer barcodes	■	■
Hidden (not printable) objects		■
Label preview	■	■
Graphics preview	■	■
Grid view/print		■
OLE-Client		■
Windows driver support		■
Control of printers	1	99
Support of net printer (TCP/IP)	■	■
Bi-directional communication to the printer		■
Stand-alone		
Printing to file	■	■
Font Downloader	■	■
Database		
Database Manager		
Access, DBF		■
ASCII, ODBC, OLEDB		■
Variables		
Flexible date and time stamping	■	■
Host of date and time with Date offset		■
Printing counter	■	■
Host counter		■
Variable graphic images		■
Free variables		■
Global files		■
Decimal value forming		■
Basic formula		■
User input field		
Text alignment		■
Definition input format		■
Minimum input length		■
Selection of default values		■
Automatic input prompt		■
Extras		
UCC/EAN 128 and Maxicode Assistant		■

**Laser-Scanner
hl40 / hl41 / hl42**



These fast scanners with 100 scans/sec. are classified in laser safety class 1. All common linear barcodes are supported. By scanning the barcodes in the user manual the different options can be programmed. The delivery schedule includes a stand for automatic scanning. The scanner is equipped with an USB interface, the keyboard interface PS/2 or RS232.

**Laser-Funkscanner
hl60**



It is equipped with different optics: standard, long and extra-long range. The extended temperature range from -10° to +50° allows the operation in a rough environment. By scanning the barcodes in the user manual the different options can be programmed. The scanner is equipped with an USB interface, the keyboard interface PS/2 or RS232.

**2D CCD-Scanner
hk80 / hk81 / hk82**



This universal hand scanner recognizes high-resolution 2D-barcodes and RSS14 Composite Codes. The hk 80 is available in three versions: standard with Batch-function, with cable for USB, PS/2, RS232 or wireless Bluetooth®-Scanner.

All current types of adhesive labels can be dispensed simply and quickly with the HS 150 Label Dispenser. Each time a label is removed the next one is automatically brought into position.

As a result to the powerful motor, label rolls can be processed up to a diameter of 240 mm and a width of 150 mm. The built-in counter indicates the continually updated total number of labels already dispensed.



Label Dispenser	HS 150
Label width mm	12 - 150
Label height mm	15 - 300
Roll Ø up to mm	240
Winding direction	outside
Core Ø min. mm	38,1
Feed supply rate mm/sec.	40 - 100
Winding Ø carrier tape max. mm	100
Adjustment of label length	micro-switch
Indication of quantity	four-digit upwards
Push button	to reset the indication of quantity
Power switch	Device „on - off“
Storage and transport temperat.	-20 bis 50°C
Sound level	>60 dB (A)
Energy consumption	ca. 40 W
Weight kg	4,4
Power supply	100-240 V~ 50/60 Hz
Operating temperature	10 - 35° C
Humidity not condensing	30 - 85%
Approvals	CE, FCC class 1
Dimensions	
Height x depth mm	188 x 240
Width mm	250

Everything points to cab ribbons

Our delivery program contains over 20 types for every application – small or wide labels, labelling of goods or type plates: we always ensure the suitable ribbon. The ribbons are coordinated to the cab printers and assure constant good quality. The retightening band is aligned especially for the devices of cab and thus eliminates imperfect printing results and destruction of the print head. Due to the first-class back coating the cab ribbons are able to carry off the residual heat and, at the same time, prevent electrostatic charging.

Result: better print quality and higher durability of the print head.



Wax ribbons

For reasonably priced and high-contrast printing on Vellum or coated papers.

W41	high blackening
W42	improved smear resistance

Resin/wax ribbons

For increased abrasion and scratch resistance on chromated or coated papers and plastic material.

RW62	good blackening
B110A	universal application for fine fonts and graphics

Resin ribbons

For very high durability on plastic materials and labels with coated and respectively brilliant surface.

R71	universal application
B110 C/CX	absolute scratch resistant

Everything points to cab labels

Our delivery program contains all common qualities and dimensions, even small quantities. Whether standard, blank or pre-printed: we only deliver labels made of best quality, reasonably priced and fast.

We offer the right material for every application:

- Polyester white or silver
- PVC flexible and smooth
- Polyimide for high temperatures
- Paper white, multifunctional



Paper M-Cote white

Multifunctional standard label with high white grade and permanent adhesive

Commonly used for address labels, general product labelling and labelling of goods in industry, trade and service. It can be used optimally with every cab printer.

Polyester white matt

First-class material for heavy duty. Tear resistant, dirt- and water-resistant, oil-resistant, temperature-resistance: -20°C to + 100°C.

Ideal for individual labelling of stock articles, goods on consignment, outer areas, production areas, sources of danger and many more.

Polyester silver matt

Type/ specification plate for in- or outside. Good adhesive strength on smooth surfaces. Temperature resistance: -40°C up to +150°C, UL and CSA-accepted.

Application area: first-class, permanently labelled type/ specification plates or indicating labels for the beverage industry.

14 Fiber Laser FL10 and FL20

Innovative-economic-precise-fast! Characteristics which make the cab diode-pumped Fiber Laser leading. Due to the high quality and efficiency of the laser beam they are outstanding in marking various materials. Resolution and quality are simply inspiring.



cab presents the latest model within the successful high resolution, diode-pumped laser marking family - the air cooled Ytterbium fiber laser system.

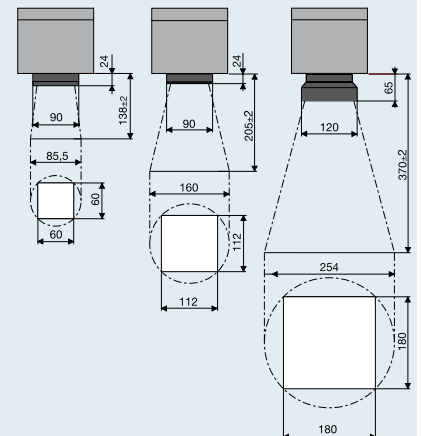
This new technology is highly suitable for markings on steel, aluminum as well as on different plastics and other materials with high beam quality and an average output power up to 20 watts.

The powerful *cablase* software allows control by graphic user interface in real time or COM-interface for customer specific programming.

cab guarantees the best solution for the integration in production lines, safety housings for individual markings as well as laser label and type plate marking systems.

Laser source	FL10	FL20
cw power up to	10 Watt	19 Watt
Pulse energy	0,5 mJ	1 mJ
Laser type	Ytterbium fiber laser, pulsed	
Cooling	air cooled	
Wave length	1.064 nm	
Beam mode	M ² 1,5	
Pulse width	>120 nsec	
Pulse frequency	20-80 KHz	
Pilot laser	650 nm / 1 mW	
Laser protection class	4	
Length coupling fiber	4,5 m	2,5 m
Scan head		
Assembly	set up possible in horizontal or vertical direction	
Scanning speed	up to 5.000 mm/s	
Interfaces		
PC interfaces	PCI, USB, TCP/IP	
Laser Control Interface for	Laser operation ready, Start/Mark in progress, Laser Emission, Shutter/Chamber-Interlock	
Operation		
Operating voltage	100 - 240 VAC / 50-60 Hz	
Power consumption	400 Watt	500 Watt
Fuse	2,5 A T/230 VAC	2,5 A T/230 VAC
	5 A T/110 VAC	5 A T/110 VAC
Operating temperature	5 - 40°C	
Humidity	15 - 90% not condensing	

Dimens. and Weight	Laser source		Scan head
Dimens. (HxWxD) mm	178 x 420 x 420		110 x 170 x 330
Weight	17 kg		8 kg
F-Theta lens	100	160	254
Focal length	138±2	205±2	370±2
Marking area ∇ mm	60 x 60	112 x 112	180 x 180
Spot ø	25 µm	35 µm	50 µm
△ Auflösung	1.000 dpi	725 dpi	500 dpi



In addition to lasers cab offers laser safety housings, label markers and type plate feeders. German development and manufacturing for tomorrow's markets-worldwide.



Laser Safety Housing LSG 65

Compact desktop model for small series.

Laser Safety Housing LSG 100

With integrated processing control, pneumatic setup door and 19" industrial PC.

Rotary Table RTM 650

With integrated processing control, pneumatic setup door and 19" industrial PC.

Type Plate Feeder THS4

Fully automatic marking of type plates.

Label Marker

Compact desktop model for marking and cutting of labels.

■ Standard □ Option

	LSG 65	LSG 100	RTM 650	THS 4	LM
Laser type	FL	FL / DPL	FL / DPL	FL	FL
Laser safety class	class 1	class 1	class 1	class 1	class 1
Focus adjustment	numeric Z-axis	numeric Z-axis	numeric Z-axis	numeric Z-axis	fix
Focus finder	■	■	■	–	–
Setup door	manual	automatic	automatic	automatic	automatic
Operation panel	integrated	integrated	integrated	integrated	integrated
Inside light	■	■	■	■	■
Warning light	–	■	■	■	–
Connection fume extractor	■	■	■	■	■
Air-conditioned	–	□	□	□	–
	Working area: 530 x 530 mm	Working area: 900 x 400 mm	Working area: 900 x 400 mm	type size max. B x H	Label height max. 180 mm
	Max. workpiece height 267 mm by F-Theta 100 200 mm by F-Theta 160	Max. workpiece height 470 mm by F-Theta 160	Max. workpiece height 310 mm by F-Theta 160	120 x 120 mm	Label weight max. 120 mm
				type width 0,5 - 3 mm	Roll diameter 300 mm
				High batch magazine 250 mm	
Periphery					
Exhaust ventilation system	□	□	□	□	□
Rotating spindle for marking cylindrical workpieces	■	■	–	–	–
Pneumatic positioning axis	□	□	–	–	–
Product reception	□	□	□	–	–
Cutter	–	–	–	–	■
External re-winder	–	–	–	–	□

Product marking



cab product range

Transfer printer
MACH4



Transfer printer
A+ series



Print and Apply
Hermes A



Print engine
PX-series



Transfer printer e4



Inkjet Colour Printer
LX 810



Labels / Ribbons



Label software



Label dispenser
HS150



Scanner and MDE



Laser Marking System
FL-series



Safety housing
with accessories



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