



ACS Labelling Systems

One system for universal jobs

Contents



THE COMPANY

International expertise

Page 4/5

Quality, Production & Development

Page 6/7

SOFTWARE

One software for all label types

Page 8/9

LABELLING SYSTEMS

Labelling of single wires, cables, conduits and media hoses

Page 10

Terminal block labelling

Page 11

Component and component location labelling

Page 12

Control and signalling gear and plant system labelling

Page 13

LABELLING OVERVIEW

Hardware and material overview

Pages 14 – 17

LABELLING SYSTEMS

Laser – fast and permanent

Page 18/19

Inkjet – coloured, quick, good

Page 20/21

Plotter – suitable for universal use

Page 22

Plotter – (optional) engraving system

Page 23

Thermal transfer – a wide selection of labels

Page 24/27

Engraving – highly durable and economic

Page 28 / 29

OUR SERVICE FOR YOU

Wide choice of labelling services

Page 30 / 31



International expertise



AT YOUR SIDE, WORLDWIDE ...

- Distribution
- Warehousing
- Production
- Development
- Attendance
- Services

THE MARKET LEADER'S QUALITY DEMAND

Murrplastik is one of the world's leading manufacturers of manual and computerised labelling systems.

For many years, the labelling systems made by Murrplastik have proven their value in difficult day-to-day operations – from manufacturing plants in the automotive industry to railway technology. The tests carried out in our in-house testing facility guarantee the highest quality when it comes to longevity, robustness and economical implementation.

LABELLING SOLUTIONS FROM A-Z

Murrplastik offers labelling systems as complete solutions – everything from just one source, everything fits perfectly together.

Plotters, engraving machines, inkjet printers, laser devices and labelling software from Murrplastik can be used for

- a wide range of applications
- Label retrofitting
- Software and hardware as integrated or standalone solutions
- Labelling services

From the beginning, electronic component labelling has been a continuously changing subject. Many years ago, Murrplastik Systemtechnik GmbH developed a labelling system that has since been used for the rapid and easy labelling of systems and components.

With this approach to labelling, only few components are required to achieve rapid, clean and durable results.

Over the last few years application software has changed significantly. Various options were introduced, such as engraving, printing, laser engraving and plotting. Links to superordinate CAD/CAE systems ease the accurate transfer of data to the output devices.

A constantly expanding range of materials makes it easier to adapt to today's label requirements.

To sum up, the original (badly) handwritten label has evolved into a truly universal labelling system, designed to meet all labelling requirements and with a constant focus on our objective:

"We save your time".

APPLICATIONS

- | | |
|------------------------|-----------------------------------|
| • Single wires | • Pneumatic components |
| • Cables | • Mechanics |
| • Cords | • Push-button and signal elements |
| • Corrugated conduits | • Sensor systems |
| • Terminals | • Actuators |
| • Devices | • Housing |
| • Device locations | • Plant equipment |
| • Hydraulic components | |

LABELLING TECHNOLOGY

Labelling with ...

- | | |
|----------------------|----------------------------|
| • Plotter | • Office laser printer |
| • Laser devices | • Thermal transfer printer |
| • Engraving machines | • Ink-Jet-printer |

Quality, Production & Development

QUALITY

Murrplastik is one of the world's leading manufacturers of manual and computerised labelling systems.

- Established since many years ago
- For manufacturing plants in the automotive industry
- Railway engineering
- In-house testing facilities
- Top quality
- Durability
- Robustness
- Economical usage

We test the material against a huge range of parameters.

- Flammability
- Halogen-free rating
- UV-resistance
- Ageing
- Functional testing
- Hardness testing
- Vibration, shock and impact properties
- Smear resistance
- Scratch/abrasion resistance



Rail vehicles



Automobile industry



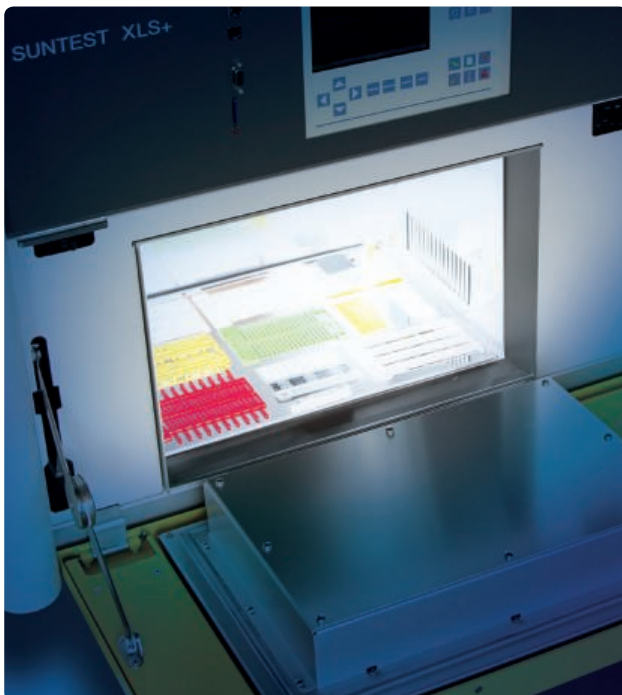
Halogen-free rating



Flammability



Temperature range



Test for UV-light resistance



Smudge resistance test

PRODUCTION

Murrplastik offers labelling systems as complete solutions – everything from just one source, everything fits perfectly together.

- Plotter
- Engraving machines
- Ink-Jet-printer
- Office laser printer
- Thermal transfer
- Laser devices
- Labelling software
- a wide range of applications
- Software and hardware as integrated or standalone solutions
- Labelling services

DEVELOPMENT

From the beginning, the labelling of electrical components was a continuously developing subject required by the industry.

- Cost-effective, rapid and flexible production
- New, innovative solutions
- Optimal labelling
- Software-driven labelling
- Broad range of label holders and labelling equipment
- Safe, high-speed production

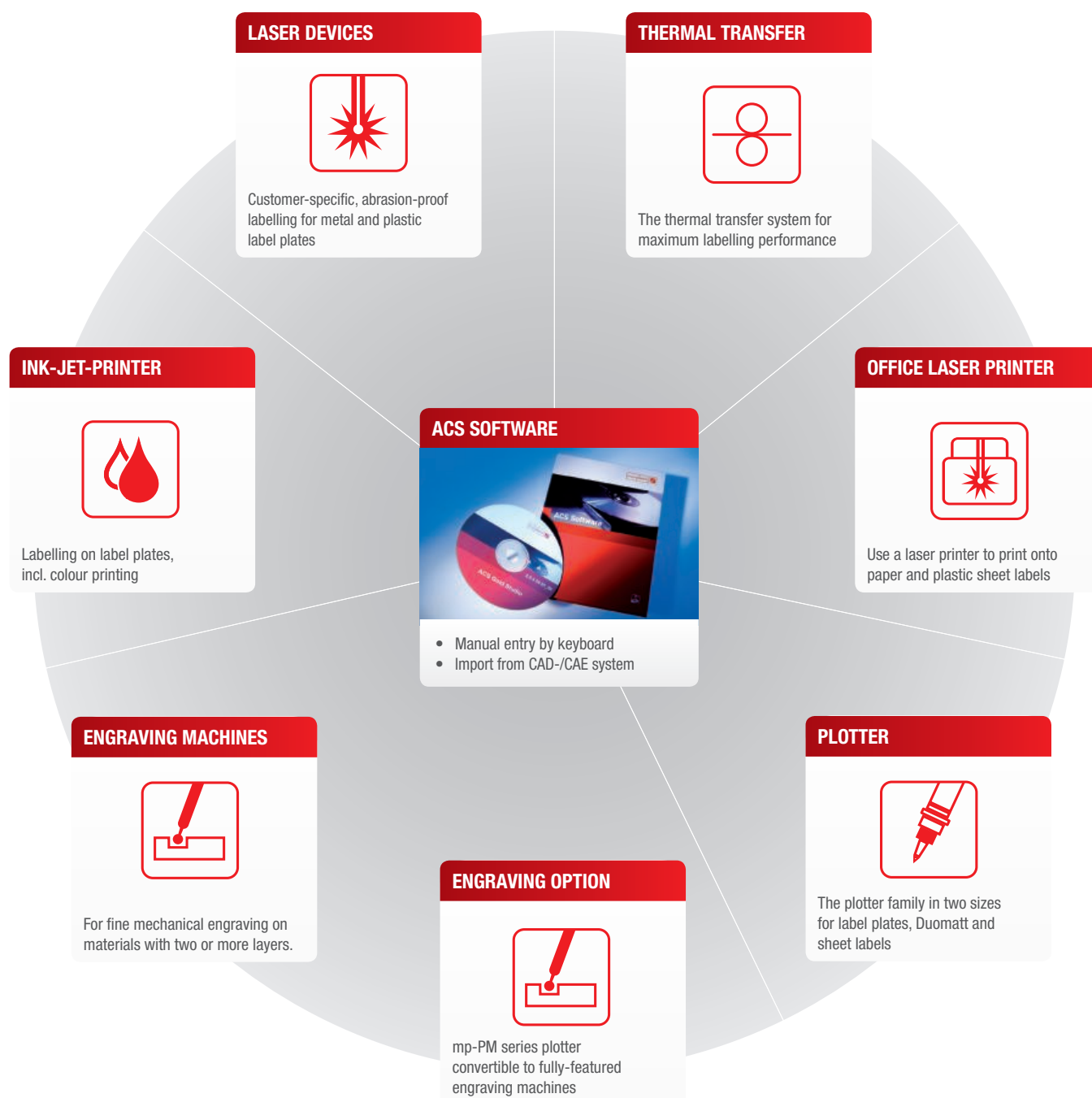


– One software for all label types –

FROM PLANNING TO THE LABELLED PLATE

Plotting, printing, engraving and lasering with one software package! The universal workstation either local or in a network. Tailor-made, electric, mechanical, pneumatic or

hydraulic labelling. Just one software for company-wide labelling and one central labelling workstation minimize procurement, training and maintenance costs.



THE MP-ACS SOFTWARE

The software offers you many new features and functions for a simple and optimal creation of labelling projects.

- Support of common graphics formats (BMP, PNG, JPG, WMF, HPGL, PLT)
- Enhanced symbol library
- Data import from various CAD systems
- Data management using the Project Explorer

In brief, your benefits include:

- Process optimisation
- Time saving
- Cost reduction
- Transparent workflows

Selection of printed/non-printed datasets

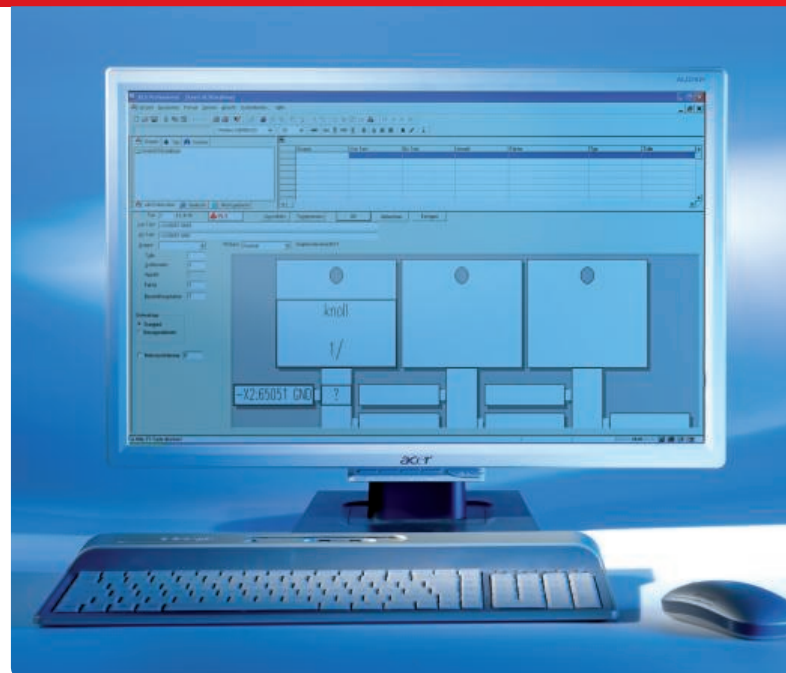
Specific selection of already printed/not yet printed datasets, to optimise your operations.

Status bar icons

Direct access to frequently-used program modules – such as system parameters, printer settings, parameter editor – via status bar icons.

Online help

By pressing the F1 button, the currently required help topic will be displayed.



SYSTEM REQUIREMENTS

Operating system

- WIN 7 32/64 bit
- WIN 8 32/64 bit
- WIN 8.1 32/64 bit
- WIN 10 32/64-bit

Hardware

- Hardware as required by the OS

Labelling of single wires, cables, conduits and media hoses



ENSURING THAT YOU MEET THE STANDARD

European standard EN 60204 (VDE 0113 Part 1) stipulates unique identification of cables, components and terminal blocks in control cabinets.

This identification must be durably legible. Murrplastik's labelling system fulfils all these requirements. The Murrplastik labelling system can be used to label

- Individual wires
- Terminals
- Control gear
- Equipment locations
- Control and signal units
- and assemblies

from a wide range of manufacturers.

Data processing is handled by the ACS software. Data import routines for CAD/CAE packages support the project-specific import of labelling information.

Murrplastik is the independent labelling system manufacturer.

LABELLING MATERIAL

- Label sleeves
- Label holders
- Label plates
- Accessories

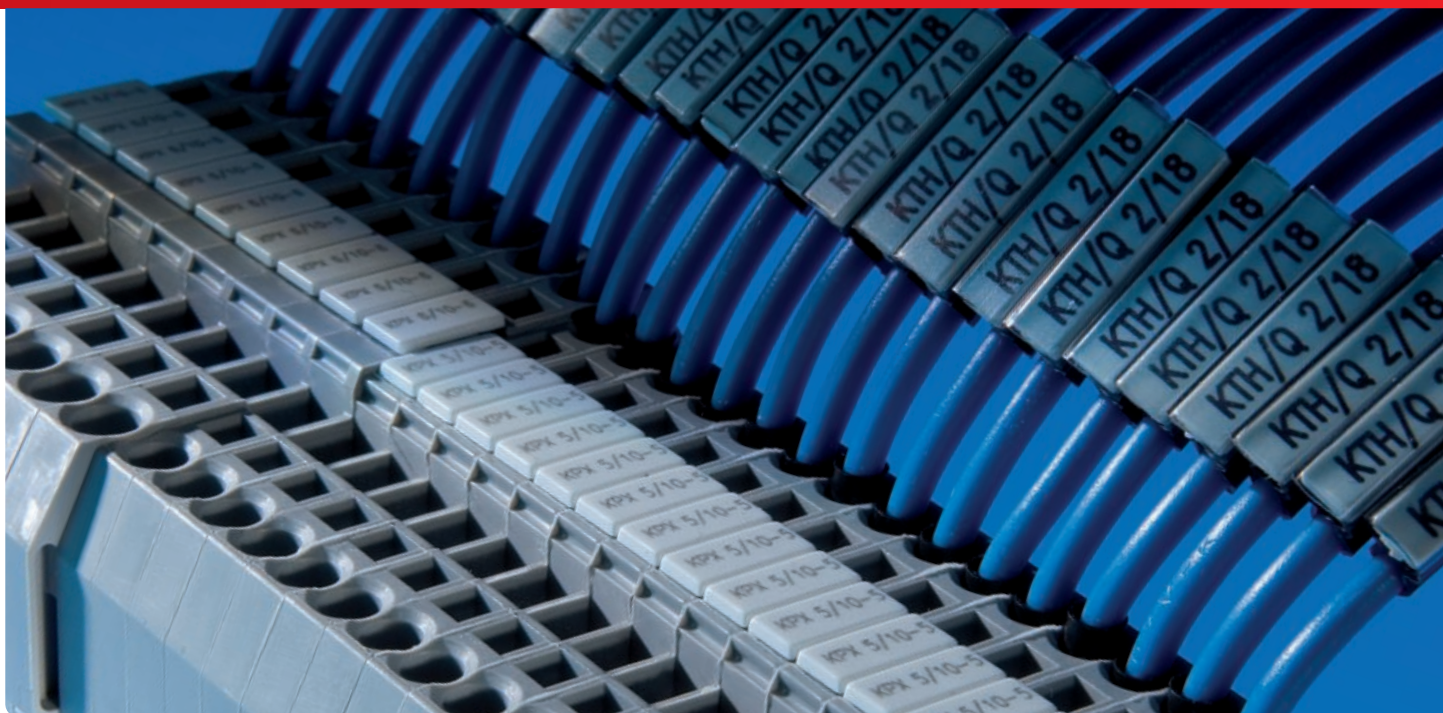
ENGRAVING MATERIAL

- Duomatt
- Triomatt
- Alumatt
- Anodised aluminium
- Stainless steel

Properties of the MP-ACS products

- Extremely durable
- Resistant to environmental influences and mechanical stress
- Wide range of fixing options
- Many different formats
- Wide range of options
- Undetachable
- Label retrofitting possible

Terminal block labelling



LABEL PLATES

Label plates	Compatible terminal block brands
KAB	Allen Bradley, Entelec, Lütze, Woertz, Weidmüller
KLK	Legrand
KMR	Conta Clip, ABB-Entelec, Klemsan, Schlegel, Weidmüller and Wago
KPX	ABB-Entelec, Murrelektronik, Phoenix, Siemens and Wago
KSI	Siemens
KWI	ABB-Entelec, D+E, Legrand, Phoenix, Sprecher + Schuh, Telemecanique, Wago und Wieland
WGO	Beckhoff, ABB-Entelec und Wago
BEC	Beckhoff

TERMINAL BLOCK BRANDS

- Adels
- Allen Bradley
- Beckhoff
- Conta Clip
- Entelec
- Klemsan
- Legrand
- Lütze
- Murrelektronik
- Phoenix
- Siemens
- Schlegel
- Sprecher and Schuh
- Wago
- Weidmüller
- Wieland
- Woertz
- etc. ...



Device and device location labelling



LABEL PLATES

Label plates	Compatible equipment brands
SKS	Siemens Sirius, Lütze
KSS	ABB, Conta Clip, Escha, Festo, IFM, Pepperl + Fuchs, Siemens, Turck
KSA	AEG and Square D
KTE	ABB, IFM, Murrelektronik, Telemechanique
KAB	ABB, Allen Bradley, Finder
ABB	ABB, Finder, Lumberg, Wago
KMO	Möller, Indramat, Murrelektronik
KS	Escha, IFM, Lumberg, Murrelektronik, Pepperl + Fuchs, Turck
KSF	Festo, Lumberg, Moeller, Murrelektronik, Pepperl + Fuchs
KSL	Bosch/Rexroth, Lumberg
KES	Escha, Murrelektronik, Turck
KPF	Pepperl + Fuchs
WGO	Beckhoff, Euchner, Wago
B&R	B&R X20 switchgear
KSK (self-adhesive)	Various manufacturers
KSZ	Harting heavy-duty plug connectors

Direct labelling

- Label plates for snap-fitting in the device

BZS labelling system

- Railing system for device location labelling – to be glued, bolted or riveted
- The BZS system is extremely versatile

The labelling rail with the snapped-in labels marks terminals and other components both vertical and horizontal. The system can be fitted on the top hat rail, C-rail or the cable duct. The KS/KSO labels are simply snapped into the label holder.

EQUIPMENT BRANDS

- ABB
- AEG
- Allen Bradley
- Beckhoff
- B&R Automation
- Bosch/Bosch-Rexroth
- Conta Clip
- Escha
- Euchner
- Festo
- Finder
- GE
- Schneider Group
- Harting
- IFM
- Indramat
- Lütze
- Lumberg
- Möller
- Murrelektronik
- Pepperl + Fuchs
- Phoenix
- Siemens
- Turck
- Universal application
- Wago
- etc. ...

Labelling of control/signalling devices and plant equipment



VARIOUS OPTIONS TO LABEL CONTROL AND SIGNALLING DEVICES

Manufacturer's label holder

A label of the Murrplastik labelling system can be snapped into or simply inserted or glued into the label holder of the control or signalling device.

Examples of compatible Murrplastik label plates:

- Duomatt DM engraving material
- ELO/ELW sheet labels
- KSK/KS labels
- KCT series

Neutral, universal labels

Compatible with control and signalling devices of all manufacturers. By using this labelling method, a random label of the Murrplastik labelling system becomes directly fixed to the control cabinet in any position.

Examples of suitable Murrplastik label plates:

- KSK/KS labels
- Duomatt DM / TMG engraving material
- AluMatt ALM / ALU engraving material
- ELO/ELW sheet labels
- KCT series



Hardware and materials overview

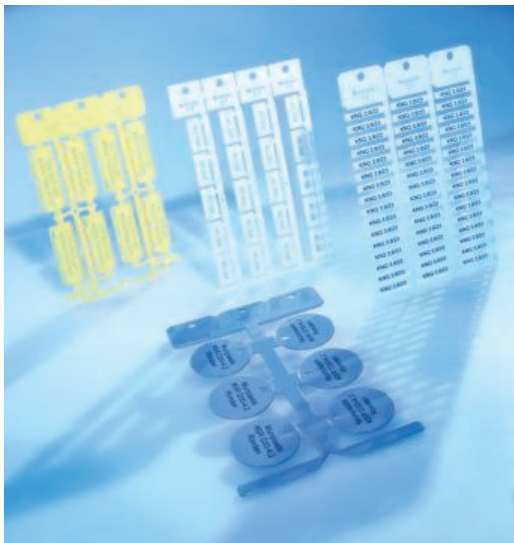
PROCEDURE	HARDWARE	BENEFITS
LASER 	 <p>mpLM 1 Laser Marking</p>	<ul style="list-style-type: none"> • Permanent, durable labelling via carbonisation • Possibility to process different materials • High productivity and labelling speed • Minimal operating costs • Contact-free labelling • Minimal maintenance • No consumables needed
LASER 	 <p>pulsar LASER MARKING BY MP</p>	
INKJET 	 <p>pictor² INKJET MARKING BY MP</p>	<ul style="list-style-type: none"> • Photo-realistic quality • High print speed • Durable lettering • USB / WLAN / Ethernet port • High productivity
INKJET 	 <p>pictor² BLACK INKJET MARKING BY MP</p>	
PLOTTING  	 <p>mp-PM-SERIES</p>	<ul style="list-style-type: none"> • Suitable for universal use • High-quality labelling • Labelling of electric, pneumatic and mechanical components • All plotters in the mp-PM series can be converted to engraving machines • Simple conversion • Extensive selection of engraving materials
ENGRAVING OPTION 	 <p>mp-EM-OPTION</p>	

MATERIAL

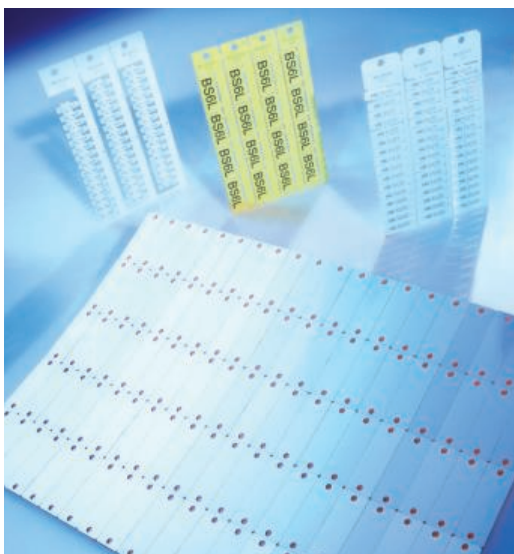
APPLICATION



- Polycarbonate
- Stainless steel
- Anodised aluminium
- Polypropylene
- Laser labels



- Polycarbonate
- Sheet labels



- Polycarbonate
- Sheet labels
- Duomatt (engraving option)



Hardware and materials overview

PROCEDURE	HARDWARE	BENEFITS
THERMAL TRANSFER 	 <p>mp-TM EOS1</p>	<ul style="list-style-type: none"> • Large output volume • Outstanding print quality • High-durability of labelling • Easy handling • Large range of labels • USB and Ethernet ports
THERMAL TRANSFER 	 <p>mp-TM A4+M</p>	
THERMAL TRANSFER 	 <p>mp-TM XD4T</p>	
ENGRAVING 	 <p>CAM 100 / 200</p>	<ul style="list-style-type: none"> • Product range includes various engraving machines • Large range of chisels and engravers • Extensive selection of engraving materials • Two- and multi-layer materials • Large selection of plastic and metal labels
ENGRAVING 	 <p>MGS 50 (A4)</p>	
ENGRAVING 	 <p>MGS 60 (A3)</p>	

MATERIAL

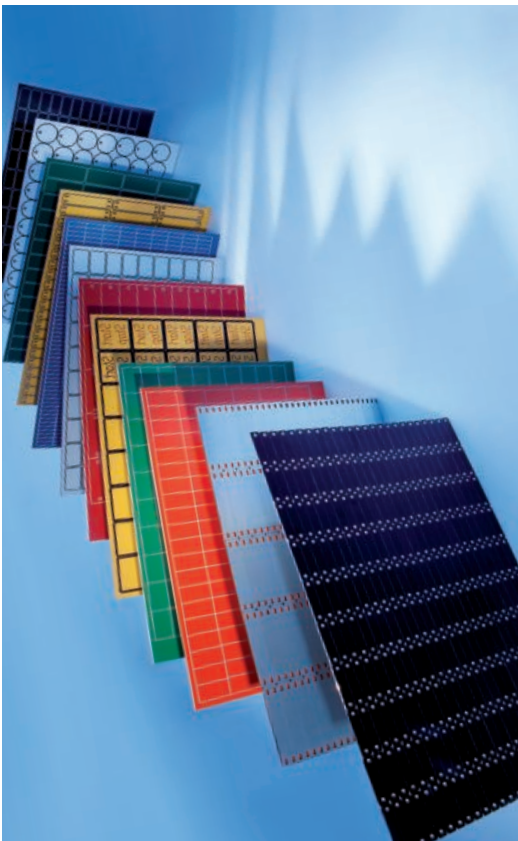
APPLICATION



- ECP-Eco
- ECP Premium
- Heat-shrink tubes
- KC-series
- TEP polyester labels
- TEG fabric labels
- TES self-laminating vinyl labels



- Heat-shrink tubes



- Duomatt
- Anodised aluminium
- Triomatt
- Alumatt



Laser – permanent and fast



pulsar
LASER MARKING BY MP



PERMANENT, RAPID LABELLING OF A WIDE VARIETY OF MATERIALS

Individual, abrasion-proof laser labelling of metal and plastic label plates, with the *pulsar* laser labelling system and the new mp-LM 1 of Murrplastik.

- Abrasion-proof, high-quality labels
- Huge variety of labelling materials
- High-performance output
- ACS software
- Minimal operating and lifecycle costs

With the *pulsar* or mp-LM 1 label plates can be engraved for:

- Wires
 - Cables
 - Terminals
 - Control and signal units
 - Switchgear
 - Media equipment
- and many, many more.

BENEFITS

- Permanent, durable labelling by carbonisation (for plastic labels)
- Possible to process different materials
- High productivity and labelling speed
- Minimal operating costs
- Works with standard ACS software
- Contact-free labelling
- Minimal maintenance
- No consumables needed



Laser devices



Inkjet



Plotting



Thermal transfer



Engraving

TECHNICAL DATA**mp-LM 1****pulsar**

Laser source	1.5 watt solid state laser Nd:YAG	6 watt solid state laser
Wavelength	1064 nm	1064 nm
Modulation		frequency 15 kHz – 200 kHz
Cooling	Air	Air
Input voltage	100 - 240V AC	230 V / 50–60 Hz
Power	max. 200 W	0.5 KW
Dimensions	475 x 795 x 300 mm (H x W x D)	630 x 510 x 755 mm (H x W x D)
Weight	17.5 KG	54 kg
Interface	USB, Ethernet	USB

LONG-TERM LABELLING

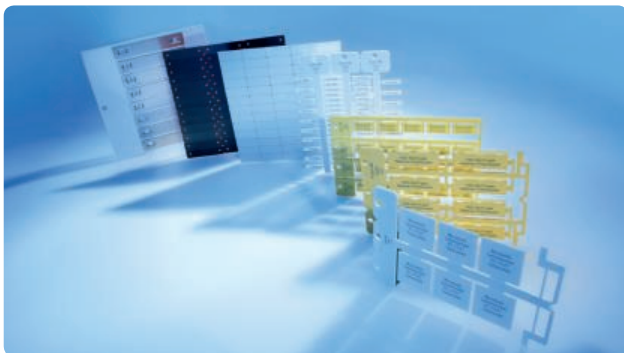
- Superb durability of finished labels
- Labelling is 100% permanent and is as durable as an etched inscription
- Laser labelling will not be bleached out by UV radiation
- Complies with stringent laser class 1

THAT'S FLEXIBILITY!

- From customised individual labelling to batch-mode production
- User-specific labels
- End-to-end machine labelling
- Huge range of materials

**IN LINE WITH TIME -
AN EXCELLENT PRICE-PERFORMANCE RATIO**

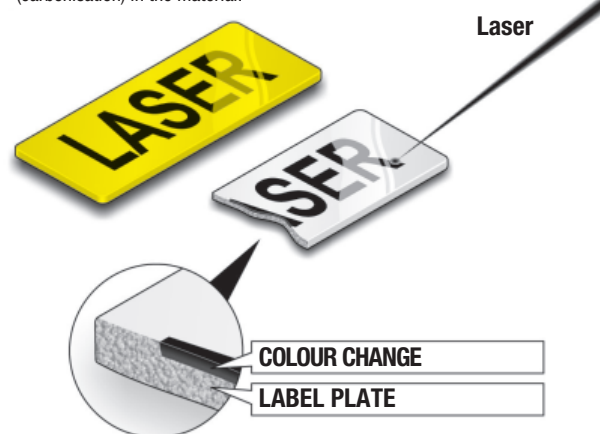
- Minimal operating costs
- The laser works without consumables
- High output volume
- Up to 10,000 label plates per hour



Label plates of a variety of materials:
Polycarbonate, polypropylene, anodised aluminium, stainless steel

Principle

Laser inscription by colour changes
(carbonisation) in the material.



The high-quality laser labelling of the **pulsar** and **mp-LM 1** results from the carbonisation of the labelling material. (plastic labels)

Ink jet printer – in colour or black only



INKJET PRINTER WITH ENLARGED PRINT AREA

The enlarged print area, the vast printing capacity of up to 600,000 characters per cartridge and the integrated WLAN and Ethernet interfaces of Murrplastik's new **pictor²** and **pictor² black** inkjet label printers have set a new benchmark for colour-based inkjet printing systems.

The labelling specialist Murrplastik Systemtechnik, Oppenweiler, Germany presents the high-end inkjet printers **pictor²** and **pictor² black**. Pin-sharp and photo-realistic quality with 720 dpi (**pictor²**). High-quality pure black and white printing, either high-quality or with optional ink saving settings (**pictor² black**).

The ink was especially developed for the **pictor²** and **pictor² black** and ensures robust, quick drying and durable labelling. Different types of labels can even mixed on a single base plate. Users can now produce their entire daily demand of label plates in just a few minutes. With their attractive design and a weight of just about 20 kg, the **pictor²** and the **pictor² black** are the ideal desktop printers.

BENEFITS

- Durable lettering
- Easy initial set-up
- Works with standard ACS software
- High-speed printing
- Depending on the equipment type selected you have the option of photorealistic quality or printing with less ink.



Laser devices



Inkjet



Plotting



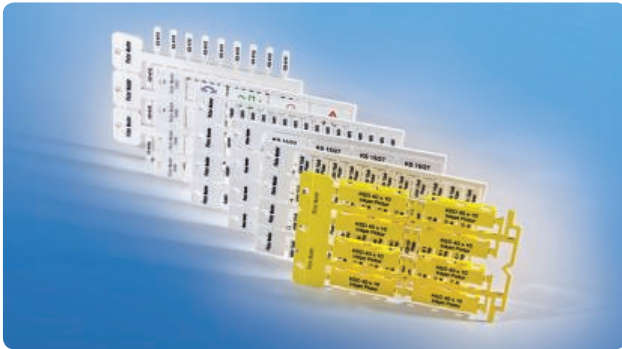
Thermal transfer



Engraving

TECHNICAL DATA***pictor² black******pictor²***

Power unit	100–240 V AC universal	100–240 V AC universal
Print area	Approx. A3 for 6 aluminium base plates	Approx. A3 for 6 aluminium base plates
Print speed	from 90 sec. for 6 base plates (incl. job processing)	from 90 sec. for 6 base plates (incl. job processing)
Interface	USB / LAN / WLAN	USB / LAN / WLAN
Filling	<ul style="list-style-type: none"> • 2 x Black (photo and matt black) 	<ul style="list-style-type: none"> • 7 colour cartridges • 1 gloss (empty)
Print volume	Approx. 600,000 chars per cartridge (font size 24 in ACS software)	Approx. 600,000 chars per cartridge (font size 24 in ACS software)
Print resolution	720 dpi	720 dpi
Nozzles per colour	180	180
Min. drop size	1 pl (picolitre)	1 pl (picolitre)
Ink	Special ink	Special ink
Dimensions	Approx. 64 x 25 x 73 cm (W x H x D)	Approx. 64 x 25 x 73 cm (W x H x D)
Weight	Approx. 20 kg	Approx. 20 kg

*Wide range of labelling materials available**User-friendly operation**6 labelling mats labelled rapidly, permanently and coloured*

mp-PM Basic or mp-PM A3 plotter systems – suitable for universal use



mp-PM A3

mp-PM Basic

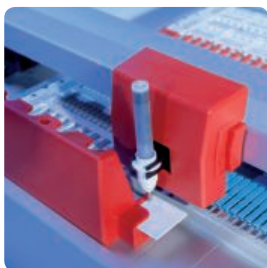
UNIVERSAL USE FOR HIGH-QUALITY LABELLING

The mp-PM plotter system is the universal labelling system serving a broad range of labelling needs.

Fast and safe with an extremely high quality typeface. The systems are suitable for labelling of electrical, pneumatic and mechanic components. The plotter system perfectly matches the ACS labelling software.

BENEFITS

- Suitable for universal use
- High-quality labelling
- Labelling of electric, pneumatic and mechanical components
- Convertible into an engraving machine



PEN station (mp-PM A3)

The pens are kept tidy and can stay in the machine permanently. The plotter pens are sealed airtight in the pen station, to prevent them from drying out.



High capacity

Up to 10 base plates can be applied on one mp-PM series plotter board.

TECHNICAL DATA

mp-PM Basic and mp-PM A3

Plotter type	Flatbed plotter
Max. plotting area	273 mm x 305 mm (mp-PM Basic) 422 mm x 305 mm (mp-PM A3)
Speed	Max. 40 mm/s
Interfaces	Parallel (Centronics), USB Level 2
Drive	Two-phase stepping motor
Pen station only for A3	Max. 4 pens with double sealing
Base plate population	6 or 10 plates

Plotter systems can be converted into a full-featured engraving machine



Laser devices



Inkjet



Plotting



Thermal transfer



Engraving



PLOTTER AS AN ENGRAVING MACHINE!

The mp-PM series plotters can simply and easily be converted into a full-featured engraving machine, complete with vacuum cleaner. Conversion is very straightforward: The spindle unit is fixed on the plotter in place of the pen unit and is connected with the vacuum cleaner and a control unit for the spindle.

Turning any plotter into a multifunctional machine!
Long waiting times for external engraving jobs now belong to the past. Saving you time and money.



TECHNICAL DATA

Engraving chisel	Includes a 0.5mm (15°) graver
RPM	Min. 5,000 RPM, max. 50000 RPM
Torque	6 Ncm
Power consumption	Max. 60 W
Spring chucks	Shaft diameter 3 mm

Scope of delivery

Control unit	G3/VEC Vacuum Engraver Controller
Vacuum cleaner	G3/VC Vacuum Cleaner

BENEFITS

- All plotters of the mp-PM series can be converted into an engraving machine
- Simple conversion
- Extensive selection of engraving materials

mp-TM thermal transfer – a wide range of labels



mp-TM A4+M



mp-TM EOS1

mp-TM A4+M - THE LABEL PRINTER WITH CENTRED GUIDING FOR SPECIAL MATERIALS

The professional printer for narrow and thick continuous materials, like flat pressed conduits, tapes and very small labels. The centred material guiding makes it possible to change material widths without having to adjust the print head. Printing speed can be slowed down for materials with special printing needs.

mp-TM EOS1 - ROBUST LABEL PRINTER WITH THE GREATEST EASE OF USE

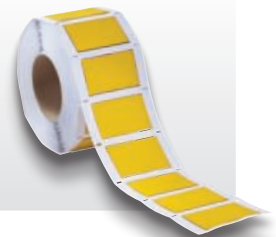
The compact label printer is especially well suited for tight workspaces. The clear and simple touchscreen operation, as well as the rapid centring of the label roll, make operating the EOS1 particularly easy. Wearing parts like the print head and the print roller can be replaced quickly and easily without tools.

BENEFITS

- Easy maintenance without tools
- Automatic material alignment
- Internal memory / USB 2.0 interface

MATERIALS

- Labels / strips or tapes
- Heat-shrink tubes
- Rolled goods / continuous material
- KC-ECO Series
- other materials available on request



ACCESSORIES (OPTIONALLY AVAILABLE)



- Cutter (see illustration)
- External unwinder



- Cutter (see illustration)
- External unwinder
- Perforation blade



Laser devices



Inkjet



Plotting



Thermal transfer



Engraving

**TECHNICAL DATA****mp²™ EOS1****mp²™ A4+M**

Basic printing method	Thermal transfer / - direct	Thermal transfer / - direct
Resolution	300 dpi	300 dpi
print width	up to 105.7 mm	up to 105.6 mm
Print speed	up to 125 mm/s	up to 125 mm/s
Labels / continuous material	On roll	On roll
Roll diameter	up to 152 mm	up to 152 mm
Thickness / weight	0.055 - 0.7 mm / 60 - 240 g/m ²	0.05 - 0.8 mm / 60 - 300 g/m ²
Label width	10 + 116 mm	4 + 106 mm
Width of carrier strip	25 + 120 mm	10 + 110 mm
Width of continuous materials	5 + 120 mm	10 + 110 mm
Width of heat-shrink conduits	5 - 85 mm heat-shrink conduit on roll	4 - 85 mm heat-shrink conduit on roll
Height x depth x width	189 x 322 x 253 mm	274 x 446 x 242 mm
Weight	4 kg	9 kg
Interfaces	USB 2.0, Ethernet 10 / 100 Base T	USB 2.0, Ethernet 10 / 100 Base T
Input voltage	100 - 240 VAC, 50/60 Hz	100 - 240 V ~ 50/60 Hz, PFC
Approvals	CE, FCC class A, CB, CCC, UL	CE, FCC class A, CB, CCC, UL

mp-TM XD4T Twin thermal transfer



mp-TM XD4T Twin

mp-TM XD4T Twin - PRINTER FOR DOUBLE-SIDED LABELLING OF HEAT-SHRINK CONDUITS

The mp-TM XD4T Twin Thermal transfer printer with two print heads is the preferred equipment for double-sided printing of heat-shrink conduits. Furthermore, taped heat-shrink conduits can be labelled with just a few limitations. Printing on the backside is slightly limited, due to the carrier foil.

The perforation blade, which is an available option, can perforate the continuous material during the printing process and can be cut off manually afterwards. The mp-TM XD4T Twin Thermal transfer printer is not suitable for printing one-sided labels.

BENEFITS

- Easy maintenance without tools
- Automatic material alignment
- Internal memory / USB 2.0 interface

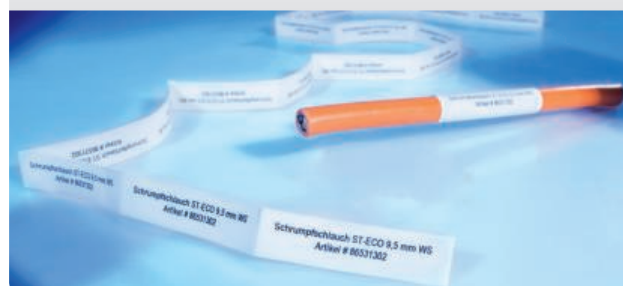
MATERIALS

- Continuous heat-shrink conduit
- Taped heat-shrink conduit (with some limitations)
- other materials available on request

ACCESSORIES (OPTIONALLY AVAILABLE)



- Perforation blade (see illustration)
- External unwinder





Laser devices



Inkjet



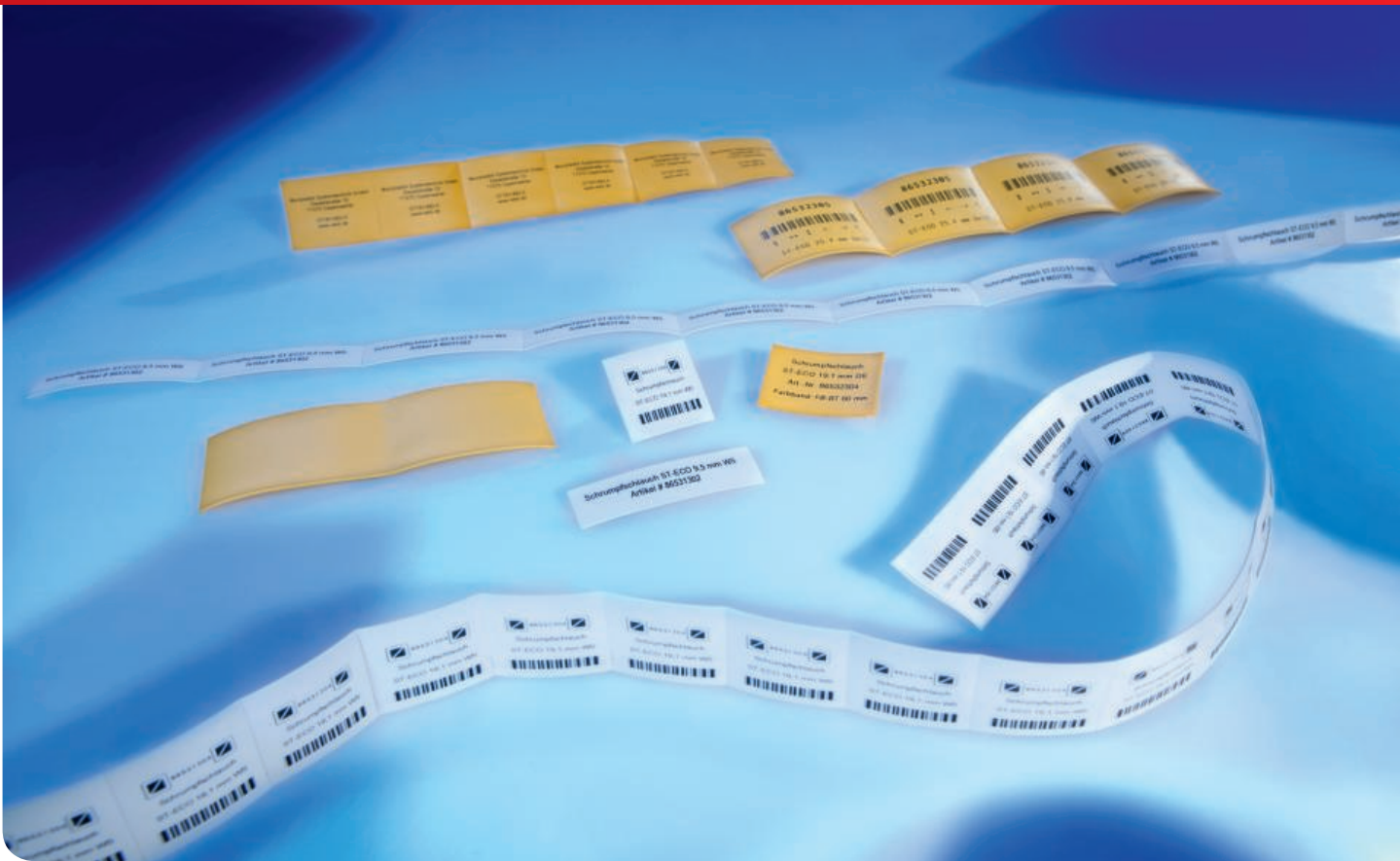
Plotting



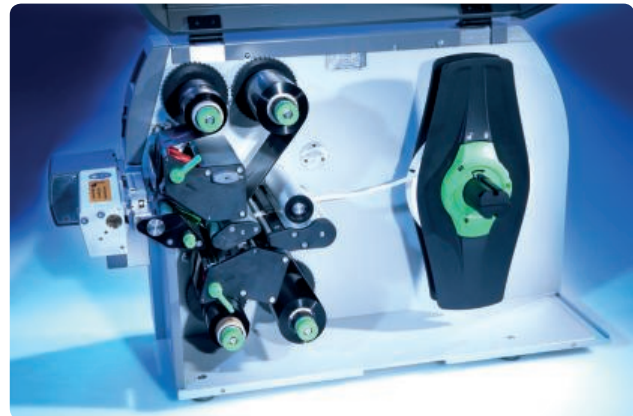
Thermal transfer



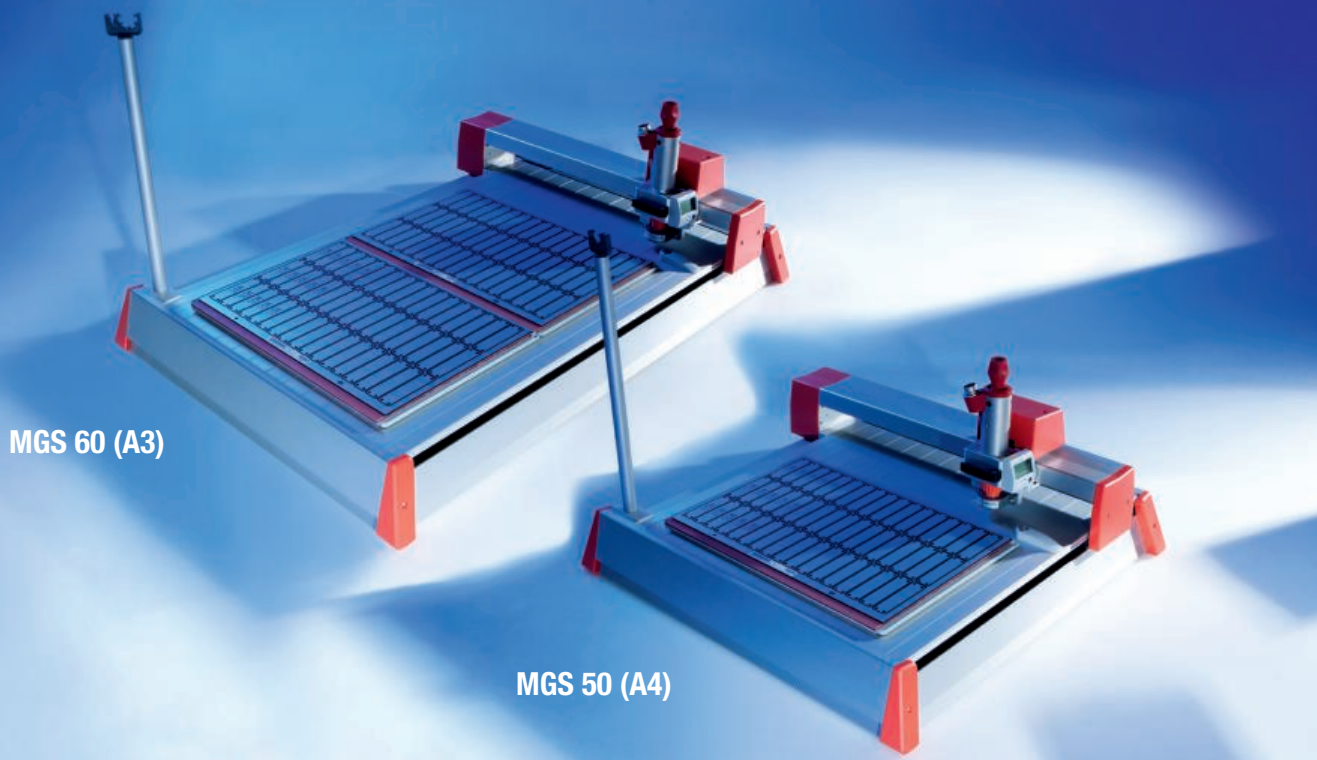
Engraving

**TECHNICAL DATA****mp²™ XD4T Twin**

Basic printing method	Thermal transfer
Resolution	300 dpi
print width	up to 105.6 mm
Print speed	up to 125 mm/s
Heat-shrink conduit material	On roll, continuous / conditionally taped
Roll diameter	up to 300 mm
Thickness / weight	0.05 - 0.8 mm / 60 - 300 g/m ²
Material width	4 + 110 mm
Core diameter	38 + 100 mm
Height x depth x width	395 x 554 x 248 mm
Weight	21 kg
Interfaces	USB 2.0, Ethernet 10 / 100 Base T
Input voltage	100 - 240 V ~ 50/60 Hz
Approvals	CE, FCC class A, CB, CCC, UL

*mp-TM XD4T interior*

Engraving – MGS 50/60



ENGRAVING WITH A KICK

The new MGS 50-TO engraving system extends Murrplastik's portfolio of engraving systems.

The small and powerful system is equipped with numerous new features, such as:

- Chisel configuration tool
- In-process configuration of travel and engraving speeds
- Digital engraving depth display

Graver zero-setting tool

Zero-setting is used to set the chisel cutting depth to zero in order to enable the correct adjustment of the chisel immersion depth (engraving depth) with the depth regulator.

Quick-release chuck

The new quick-release chuck system makes it very easy to remove and replace the chisel.

BENEFITS

- High engraving speeds
- Large working area
- Compact and robust design
- Digital engraving depth display

TECHNICAL DATA FOR MGS 50/60

Working area	300 x 200 mm
Engraving speed	max. 20 mm/s
Interface	USB Level 1.1
Data buffer	16 MB
Drive	Two-phase stepping motor
Supply voltage	100–240V AC 50–60 Hz
Input current	0,7 A max.
Dimensions	A4: 440 mm x 440 mm x 125 mm
	A3: 660 mm x 440 mm x 125 mm
Weight	A4: approx. 6 kg
	A3: approx. 8.85 kg
Engraving chisel	
RPM	min. 5,000 RPM, max. 50,000 RPM
Frequency	83-830 Hz
Power consumption	120 W
Motor type	Three-phase AC, asynchronous, brush-less
Housing	Aluminium
Ball bearing type	Steel, dual
Cooling	Self-ventilating with in-built fan

Engraving – CAM 100/200

All-in-one system



Laser devices



Inkjet



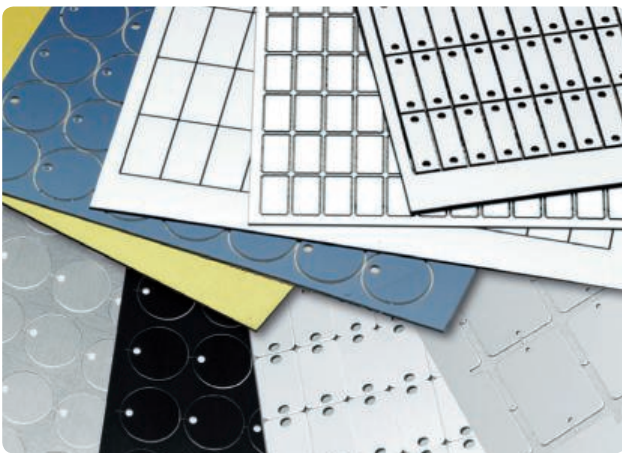
Plotting



Thermal transfer



Engraving



BENEFITS

- Device features can be customised to match individual requirements
- Open housing technology
- High hourly output
- High set-up capacity
- Ball screw drive
- High repeat accuracy
- Maintenance-friendly

TECHNICAL DATA

	CAM 100 complete system	CAM 200 complete system
Range of travel	X/Y 330 x 290 mm	X/Y 540 x 500 mm
Stroke	75 mm	75 mm
Set-up surface	500 x 600 mm	750 x 850 mm
Interfaces	USB	USB
Mechanics	<ul style="list-style-type: none"> • Face-milled surfaces, accuracy < 0.05 mm • 3 ball screw drives, 16 x 5 mm with flange bearings • Repeating accuracy +/- 1/100 mm 	<ul style="list-style-type: none"> • x/y/z feed, backlash-free, with stepper motor drive • Rubber cover with Teflon coating • 3 end and reference switches, accuracy < 1/100 mm

Order your customised identification tags, labels and inscriptions



TAILORED LABELLING SERVICES

Murrplastik Systemtechnik supports companies with a hugely diverse range of labelling requirements. We have therefore seen that companies often pay less for outsourcing than they do for in-house labelling.

The reasons are obvious. A company that, for example, develops and installs control units before also putting them into service is usually under high financial and time-related pressure to provide the necessary equipment and training for employees. Not to mention the fact that labelling tasks change constantly.

HUGE QUANTITIES IN NO TIME AT ALL

Our state-of-the-art equipment and a machine park of the grandest scale make it possible for us to inscribe large quantities of labels.

Full service

Murrplastik's product and services program includes a vast range of standard pre-fabricated products, e.g. pre-fitted sleeves, label holders with cable ties, project-specific packaging, or simply the inscribed labels. Just as the customer desires.

Best features...

... for high standards. We offer these diverse types of labelling tailored for your special application requirements: Engraving, printing (thermal transfer / inkjet), plotting and laser inscribing.

FOR ANY APPLICATION

INDIVIDUAL WIRES



CABLES



SWITCHGEAR



TERMINALS



ID PLATES



CONDUITS



MP SERVICE



DIRECT YOUR ORDER TO:



INDIVIDUALISED MURRPLASTIK LABELLING- & FITTING SERVICE

Easy and secure data exchange

Just send your labelling data per email or the medium of your choice to our service centre.

Your data will be processed promptly and can be stored for two years for subsequent projects on request.

Data format options are virtually unlimited: ASCII format, MS-Office application files (i.e. Excel), as well as data from CAD / CAE programmes, or from the Murrplastik ACS labelling software.

LABEL HOLDER WITH CABLE TIES



PRE-FITTED SLEEVES



PROJECT-SPECIFIC PACKAGING



LABELLING PROCEDURES

- Engraving
- Thermal transfer printing
- Plotting
- Laser inscription
- Inkjet printing



www.mp.de

Germany (Headquarters)

Murrplastik Systemtechnik GmbH
Postfach 1143
71567 Oppenweiler
☎ +49 7191 4820
www.murrplastik.de
info@murrplastik.de

America (North/South)

Murrplastik Systems, Inc.
1175 US Highway 50
Milford, OH 45150
☎ +1 513 201 30 69
www.murrplastik.com
cablemgmt@murrplastik.com

China

Murrplastik Asia Co., Ltd.
1802 Rm. No. 218
Hengfeng Rd.
200070 Shanghai
☎ +86 21 512 869 25
www.murrplastik.com.cn
info@murrplastik.com.cn

Denmark

Filial af
Murrplastik Systemtechnik GmbH
Tyskland, Stenager 2
6400 Sønderborg
☎ +45 2347 00 24
www.murrplastik.dk
info@murrplastik.dk

France

Murrtechnic S.à.r.l
Zone industrielle Sud,
6 rue Manurhin
B.P. 62, 68120 Richwiller
☎ +33 389 570 010
www.murrtechnic.fr
info@murrtechnic.fr

Italy

Murrplastik Italia S.r.l.
Via Circo, 18
20123 Milano
☎ +39 02 856 805 70
www.mp.de
info@it.mp.de

Austria

Murrplastik Systemtechnik GmbH
☎ +43 732 660 870
www.murrplastik.at
info@murrplastik.at

Russia

Офис компании
Murrplastik в Москве
Gilyarovskogo 57, building 1
129110 Moscow
☎ +7 495 684 17 37
www.murrplastik.ru
info@murrplastik.ru

Switzerland

Murrplastik AG
Ratihard 40
8253 Willisdorf
☎ +41 52 646 06 46
www.murrplastik.ch
info@murrplastik.ch

Spain

Murrplastik S.L.
Paseo Ubarburu, 76
Pabellón 34, polígono 27
20014 San Sebastián
☎ +34 943 444 837
www.murrplastik.es
info@murrplastik.es

