



FlyMarker® XL MOBIL AKKU
100% independent CNC-hand-held
marking system

This lightweight, easily portable and extremely compact hand-held pin marker is the ideal marking tool for flexible and permanent labelling of a wide range of materials, from soft plastic to hardened steel.

The integrated high tolerance compensation up to 5 mm allows marking with continuously even and deep typeface even on uneven surfaces.

The electromagnetically driven carbide pin marks clear and well defined numbers, letters and special signs in dot-matrix, which are directly fed and controlled through the integrated keyboard and the background lightened colour LC display. It is also possible to mark 2D Data Matrix® Codes. The content of the code can be entered by the keyboard.

The ergonomic design of the Flymarker® allows fatigue-proofed direct marking of bulky, heavy and/or stationary workpieces, which could otherwise only be marked indirectly.

Type in the marking text – check the display – mark – done!
 Operator's instruction time: only 1 minute!

Technical Data:

Marking area (x/y):	75 x 25 mm
Character heights (preadjustable):	2,0 to 24,9 mm, in increments of 0,1 mm
Marking position (preadjustable):	left-aligned, right-aligned, centred and area definition
Fonts (automatic adjustment):	type-face alike DIN 1451 in a line or dot-matrix in 5 x 7 or 9 x 13 format
Data Matrix Code:	Marking of 2D Data Matrix Codes up to a size of 24 x 24 mm (optionally)
Markable fonts:	Alphabet with upper-case and lower-case letters, number 0 to 9 and following special signs: . , / - _ < > () * = [] ß % & ø + ? ! ; : # " ° ^
Special features:	sequential numbering (serial numbers counting up or down), real time and real date (configurable), marking in a circle Optionally: logo marking, shift marking, marking text transmission through serial interfaces (e.g. barcode reader)
Different marking powers:	Regulation via the software (Marking power 0-30). Additionally max. 6 percussions per dot possible. Marking depths up to 0,3 mm are possible, depends on the material.

Markable material:	nearly all material such as wood, plastic up to hardened steel (about. 62 HRC)
Height compensation:	up to max. 5 mm (at constant marking depth)
Pin marking actuator:	electromagnetic (minimum noise level)
Noise emission:	76 dBA (no-load operation) according to ANSI 1.4 type 2 / IEC 651 type 2
Available interfaces:	RS 232, USB
Battery-charging station:	Input: 230 V AC; 50-60 Hz; 370 W; Output: 24 V DC; 8,0A; 192VA; T4,0A; T35/B; IP20
(With the option <i>battery-cable</i> , battery can be removed and hung to the trousers belt)	
Weight:	4,9 kg (weight of the battery 1,25 kg)
Colour:	grey / red

Conformity:

The CNC dot peen marking system FlyMarker® COMBI correspond to the following current regulations of the European community:

- Directive of machines 2006/42/EG
- EMV-directive 2004/108/EG

Scope of supply:

- **FlyMarker® XL MOBIL AKKU**, with fix display
- starting handle
- Battery and replacement battery
- Battery-charging station
- tools
- adjust gauge
- marking pin 90° R 0,1
- standard XL positioning plate with anti-slide coating
- hard protective case
- operating manual according to MARKATOR® standards on CD including the declaration of conformity (Order-No.:5101 00 700)

Additional:



Standard carbide marking pin

marking pin 60°, R 0,1 for particularly soft materials
Order-No.: 5141 00 161

marking pin 90°, R 0,1
Order-No.: 5141 00 191

marking pin 110°, R 0,2, for particularly hard materials
Order-No.: 5141 00 112

Set (5 pieces) standard carbide marking pin

marking pin 60°, R 0,1 for particularly soft materials
Order-No.: 5141 05 161

marking pin 90°, R 0,1
Order-No.: 5141 05 191

marking pin 110°, R 0,2, for particularly hard materials
Order-No.: 5141 05 112

Special carbide marking pin:

marking pin 110° out of CPM Rex, R 0,2

for special alloyed material, especially for aeronautic use.
Order-No.: 5141 02 112



Software option COMFORT

Software extension (Firmware) of following functions:

serial data transfer,

shift marking,

Pre-positioning of the marking pin,

Read-keyboard,

Select a device type (work mobile or stationary),

Edit date and time,

Create messages,

Multiple marking

Order-No.: 5031 02 001



Logo-Implementation from a data file (Logo of the company / personal logo generated by Markator®)

Originals which are provided as a data file (*.dxf or *.dwg format) on data carrier or by email.

Order-No.: 9965 19 998

Please send your company name with the data file as well as the height the logo will mainly be marked later on. This information is very important to generate the logo.



Software package HPGL

software for the maintenance, transfer and conversion of logo's and/or graphic files in the HPGL file-format

Delivery:

Software on a volume

Order-No.: 5031 02 052



Adjustable fence-system

Consisting of: clamp, knurled-head screw, sliding fence-system and four fastening screws.

Only available with solid feet!

Order.-No.: 5100 10 107



Prism fence-system for round pieces

Adjustable, to mark pieces on a small scale of flanges, \varnothing 40-250 mm and \varnothing 150-450 mm.

Only available with solid feet!

Order.-No.: 5112 06 000

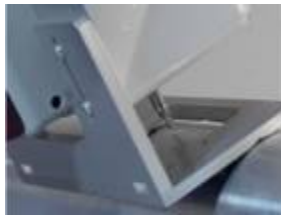


Prism fence-system for round and flat pieces

This prism construction enables a simple and equal setting of the handheld-marking system on the work pieces when marking on the front side. With this it is possible to mark both, round and flat pieces consistently with the same distances to the top edge.

Only available with solid feet!

Order-No.: 5100 10 118



Exchange positioning plate XL with solid feet

Solid, large-scale version with anti-slide coating and standard prism for \varnothing 10 to 80 mm

Order-No.: 5101 01 114



Solid feet with positioning plate for work pieces

Solid, large-scale version with anti-slide coating and standard prism, for \varnothing 10 to 80 mm

Order-No.: 5100 00 113



Solid feet with special positioning plate for work pieces

With anti-slide coating and a big prism for round work pieces, \varnothing from 10 to 200 mm

Order.-No.: 5112 04 113



Cable to hang up the battery on the trousers belt
for FlyMarker® MOBIL AKKU and COMBI. 1,5m long connection cable between battery and hand-held marking system (to lighten the weight of the battery during the marking jobs)

Order-No.: 899 860 902



Mains adaptor

FlyMarker® MOBIL (Akku or Power Supply), STATION or COMBI just for the use in inner zones, ready-to-operate, complete with power supply-line, 230V, length of 2 m and leakage 24 V, length of 1,7 m; CE-sign

Input: 100-240VAC; 4A; 50-60Hz

Output: +24VDC; 5,4A

Order-No.: 5130 00 305

Extension cable 24 V

FlyMarker® MOBIL (Akku or Power Supply), STATION oder COMBI, length of 6 m (connection between the mains adaptor and the marking system)

Order-No.: 5130 00 302



Replacement battery NiCd, 24V DC/2,0 Ah

Order-No.: 5100 04 303

Additional character catalogue cyrillic

includes a pressure-sensitive mat as keyboard

Order-No.: 5031 06 012 + 5101 01 301



Handheld USB barcode scanner

Max. scan field 80 mm, reading distance 0 - 25 mm, incl. connection cable USB, length approx. 1,8m.

Power supply via USB interface at the FlyMarker® XL.

Incl. programm option FlyMarker® XL KOMFORT

(barcode is read directly into the FlyMarker® XL, transferred into plain writing and marked – wrong entry impossible!)

Order no.: 5130 00 317

Remark:

Our FlyMarker® is a mass product. Its components are in optimized tune with each other. Modifications would inevitably create a loss of technique, quality, performance and reliability, for which we cannot take over any responsibility. For this reason, we are not able to accept any directions concerning products used with our FlyMarker® and therefore ask you in advance for exception.