







-  Conventional marking technology
-  Scribe, stylus and dot-peening marking technology
-  Type-wheel marking technology
-  Laser-marking technology
-  Traceability
-  Special-purpose machines

Handheld marking unit 313VVM

Technical data sheet

- Compact and solid marking unit for the marking of, for example, vehicle identification numbers
- Different marking processes: Dot peening marking or Vibropeening
- Marking area 120 x 20 mm
- Attachment to the component via vacuum nozzles
- Robust ballscrews and carriages with revolving ball guides in the two axes
- Drive with powerful stepper motors
- Transportation case with rollers



EK2 box control (marking controller):

- Universal 2-axis marking controller in compact housing
- With integrated membrane keyboard and 4-line display
- Protection class IP 53
- Dimensions: 220 x 144 x 82 mm (L x W x H)
- Included in the scope of delivery

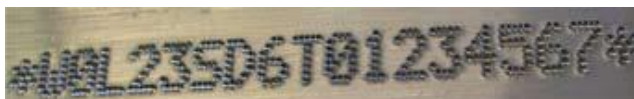


Application area







This easily transportable hand-held unit is particularly suitable for small series tasks, e.g. the marking of a vehicle identification number. The 313 VVM is a mobile marking device and is manually operated. Single-line or multi-line marking is also possible in larger character heights. Thanks to its good ergonomic properties and easy operation, the device is excellently suited for use in workshops, quality assurance and warehouse management.

As a lightweight with 4.5 kg, the 313 VVM sets new standards. With its small dimensions, it provides a large marking area of 120 x 20 mm.

Marking texts can be entered using the integrated membrane keyboard. It is also used for the simple creation and selection of marking jobs. The character heights and font width can be freely scaled.



Marking example of a vehicle identification number in 7:5 dot matrix lettering

-  Conventional marking technology
-  Scribe, stylus and dot-peening marking technology
-  Type-wheel marking technology
-  Laser-marking technology
-  Traceability
-  Special-purpose machines

Option

- Possibility of data input via barcode scanner

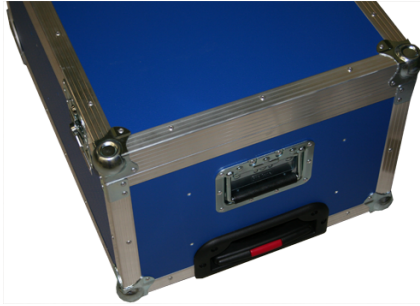








Fig. of transportation case for 313VVM



Fig. transportation case complete with marker and EK2 box

Technical data

Property	Dimensions, unit, explanation
Dimensions of marking unit (W x D x H) without built-in parts	Approx. 360 x 166 x 213 mm (depending on workpiece support)
Dimensions of transportation case	630 x 460 x 380 mm
Weight	Approx. 4.5 kg
Marking area size (X/Y)	120 x 20 mm
Marking speed (depending on character height and form, marking process and motorisation)	Up to 6 characters/second
Character height	from 1 mm (in 0.1 mm steps)
Documentation	German, English or French Other languages optional
Marking tip penetration depth (depending on the material to be marked, marking head and marking process)	Approx. 0.01–0.5 mm (see marking head data sheet)
Noise level	Approx. 85 dB(A) (depending on the material to be marked and operating pressure)
Dot peening character form	7:5 dots in height/width
Alternative character form	9:7 or OCRA optional
Vibropeening	Optional
Standard character form	A-Z, a-z, 0-9 ., *
Special characters, logos	Optional according to the template

-  Conventional marking technology
-  Scribe, stylus and dot-peening marking technology
-  Type-wheel marking technology
-  Laser-marking technology
-  Traceability
-  Special-purpose machines

Media supply

Voltage supply via power supply unit	230 V AC \pm 10 %, 50/60 Hz or
With connection cable	120 V AC \pm 10 %, 50/60 Hz, switchable
Compressed air connection (supply pressure)	Min. 5 bar (min. 75 psi)
With technically conditioned compressed air	Dried, oil-free, filtered with 50 μ m
Working pressure (marking pressure)	Min. 2 bar up to max. 4 bar (30 psi to max. 60 psi)

Subject to technical changes.

