

# Combination Dot Peen Marking Systems

## High quality complete marking solution

For direct, durable and flexible part marking on most materials. From straightforward text to serial numbering, logos and 2D code creation.

### Features of the PinMark K series:

- ▶ Compact industrial design
- ▶ Low vibration, tough construction
- ▶ Very high marking speeds
- ▶ Low purchase and operational costs
- ▶ Low maintenance

Dot peened marks are created with a carbide needle driven by compressed air. The needle is moved in X-and Y- directions by two stepper motors. This process either compresses or displaces the material being marked.

The combination systems are very flexible, providing the option to use the handheld unit for large or awkward items and start the marking process with the push button on the handle. For smaller items the bench fixture would be used, the height of the needle being adjusted with a handwheel. Electric height adjustment is available as an option.

There are three different control units available to operate the PinMark K range: the UMC box, UMC eco and UMC 112. Details of these machines can be found on their respective spec sheets.

The 5/10 H and 8/14 H models are also available with deep marking needles.



| Technical Data PinMark K                                                  | NP 3/5 K                                                                                                                                                                 | NP 5/10 K        | NP 8/14 K         |
|---------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------|
| Dimensions (DxWxH) without needle, inc t-slotted base, handwheel & handle | 300x 250 x 450mm                                                                                                                                                         | 305x 271 x 651mm | 470 x 350 x 525mm |
| Marking field                                                             | 30 x 50mm                                                                                                                                                                | 50 x 100mm       | 80 x 140mm        |
| Maximum part height                                                       | 130mm                                                                                                                                                                    | 285mm            | 185mm             |
| Weight (marking head only / complete)                                     | 3kg / 13kg                                                                                                                                                               | 5.5kg / 15.5kg   | 11kg / 21kg       |
| Resolution                                                                | standard 0.1mm                                                                                                                                                           |                  |                   |
| Coining frequency                                                         | oscillating freely approx 200Hz                                                                                                                                          |                  |                   |
| Marking speed                                                             | 1 - 5 characters per second                                                                                                                                              |                  |                   |
| Control                                                                   | UMC 112 with LC display, keyboard, RS-232, USB and further options<br>UMC eco with LC display, keyboard, RS-232 and USB<br>UMC box with marking software on PC or laptop |                  |                   |
| Power supply                                                              | electricity 230V, 50Hz, via control (optional 115V, 60Hz)                                                                                                                |                  |                   |
| Controller connection                                                     | 26 pin circular plug                                                                                                                                                     |                  |                   |
| Compressed air / connector size                                           | max 6 bar / 6mm                                                                                                                                                          | max 6 bar / 6mm  | max 6 bar / 8mm   |

*Ostling follows a policy of continuous product improvement. Specifications are subject to change without notice.*