



PINMARK™

Fine lines and deep writing with the needle scribers from ÖSTLING

Simply scribe

The needle scribing can generally be compared to the natural writing process with a pen. A diamond or carbide tip is pressed onto the workpiece to be marked by compressed air and then moved in the desired direction. This results in so-called machining of the workpiece.

Scoring stamping heads have 2 linear axes, but are more stable than pure stamping heads. Since greater transverse forces occur during needle scribing than during needle embossing, scribing embossing heads contain a spindle drive instead of a toothed belt drive. And as the name suggests, a scribing embossing head can also be used for embossing after changing the marking tool. The marking consists of a continuous line, resulting in a very precise marking pattern. With needle scribing, marking depths of approx. 0.4 mm are achieved.

Since the diamond or carbide tip does not oscillate during needle scribing, as the carbide tip does during needle embossing, but is pressed onto the workpiece to be marked, no large material unevenness can be compensated.

In order to obtain an even marking, the surface of the workpiece must be as even as possible.

Noises develop especially when the needle tip hits the workpiece to be marked.

As the needle tip is only pressed onto the workpiece at the beginning of each line during needle scribing, needle scribing is much quieter than needle embossing.



Compact and lightweight design



High marking speed



Modular product range,
Optimizable for every need



OEM models and
Complete solutions available



Very clean typeface



Permanent markings on
various materials

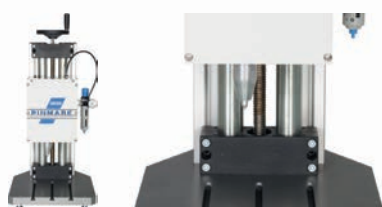
Built-in scribe



In production lines and/or integrated in special machines. Due to the almost arbitrary positioning of the scribing heads, with compact dimensions at the same time, integration is usually possible without problems. In combination with our UMC 112 controller, the functionality of the devices is optimally adapted to your applications. State-of-the-art interfaces ensure flexibility and reliability - even in extreme working environments.

Title	Size (D x W x H)	Weight	Marking area	Needle systems
4/6 SP/RT E	200 x 200 x 345 mm	12,2 Kg	40 x 60 mm	WE1R, WE2, WPX, P9, P15, P21, P35
8/14 SP/RT E	265 x 426 x 255 mm	20,5 Kg	80 x 140 mm	WE1R, WE2, WPX, P9, P15, P21, P35
15/20 SP/RT E	335 x 486 x 260 mm	23,9 Kg	150 x 200 mm	WE1R, WE2, WPX, P9, P15, P21, P35
15/30 SP/RT E			150 x 300 mm	WE1R, WE2, WPX, P9, P15, P21, P35

Table scribe



Particularly suitable for small series and individual pieces. Due to the robust and compact design you can produce extremely precise markings. These types of inscriptions are characterized by an extraordinarily good legibility.

Title	Size (D x W x H)	Weight	Marking area	Needle systems
4/6 SP/RT T	200 x 200 x 345 mm	12,2 Kg	40 x 60 mm	WE1R, WE2, WPX, P9, P15, P21, P35
8/14 SP/RT T	265 x 426 x 255 mm	20,5 Kg	80 x 140 mm	WE1R, WE2, WPX, P9, P15, P21, P35

Controls

UMC 112 Art. No. 80.10.2000



Computer: 500 MHz, 512 MB Ram, SVGA, USB, Ethernet, RS-232, Profinet, Profibus, EtherNet/IP, DeviceNet
Operating system: Embedded Linux
Memory: Compact Flash 512 MB
Motor control: 2 axis, optional 4 axis (X,Y,Z rotation)

Inputs and outputs: Digital, optional external file selection (I/O BU3), 2 safety inputs up to PL e (DIN EN 13849-1)
Display: SVGA 800 x 600 Pixel
W x D x H: 443 x 391 x 183 mm
Keyboard: integrated membrane keyboard

UMC eco Art. No. 80.10.1000



Computer: 500 MHz, 512 MB Ram, SVGA, USB, Ethernet, RS-232
Operating system: Embedded Linux
Memory: Compact Flash 512 MB
Motor control: 2 axis for 2 phases stepper motors
Inputs and outputs: Digital, optional external file selection (I/O BU3)

Display: SVGA 800 x 600 Pixel
W x D x H: 310 x 300 x 170 mm
Keyboard: external keyboard