

## THE NEW NeedleMaster – THE FAST AND EFFICIENT NEEDLING SYSTEM



Fast, efficient, gentle on boards and safe, the new NeedleMaster is the heart of the Board Master System. As a continued focused development, the new NeedleMaster represents the new technological state of the art in needling.

## THE NEW NeedleMaster – SAFE, GENTLE, EFFICIENT



### Optimal work sequences:

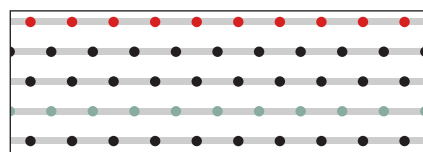
The empty needleboard is transferred to the NeedleMaster using the Board-Scoot. The board is turned 45° to enter the machine. The pressing in unit is manually adjusted to match the row requiring needling.



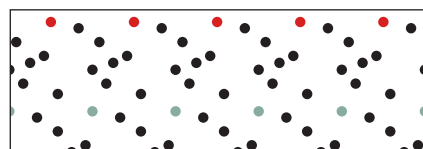
### Step 1:

With the aid of the new filling device, needles can be fed from the box directly into the magazine, from where they are guided to the needle line-up. The needles are then individually selected and lined up automatically.

### NEEDLEBOARD SPACINGS



STANDARD



RANDOM

### Fully flexible – Easy to operate

The new NeedleMaster from Groz-Beckert is perfect for the task in every respect. All processes take place quickly and are easy to control. The machine operator decides whether he wants entire rows or entire needleboards to be needled.

Switching from one type of board to another takes only a few minutes. The variety of boards that can be needled is almost unlimited. The NeedleMaster can definitely be relied on in every situation – right down to the individual needle and row.

On all needleboards, the holes are arranged the same distance apart, and this even applies to so-called random boards.



**Step 2:**

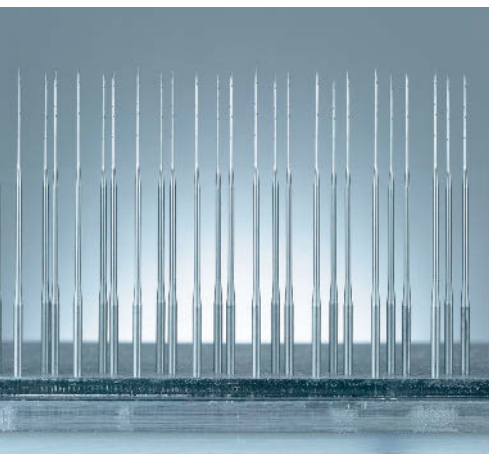
As soon as the required number of needles have been aligned, the needle line-up automatically stops, and the user can remove the needles by means of the manual chuck.

**Step 3:**

The needles are placed in the board with the aid of the manual chuck and the needle guide. The rocker can then be opened and the next row of needles picked up.

**Step 4:**

After pre-needling the board is manually rolled inside the pressing-in unit. As soon as the first needle makes contact with the pressing-in unit, all needles in the unit are completely pressed in automatically. Meanwhile the user can continue needling the rest of the row.

**Consistent Quality – Faster Processes**

With the new NeedleMaster from Groz-Beckert, needleboards no longer have to be needled with a costly and time-consuming process. Needling can now take place quickly and efficiently.

The quality and repeatability of the new needling process corresponds to the exacting requirements placed on the high-precision needles and boards. The refinishing work during needling which was previously required has been eliminated.

Needle boards are now handled with optimal gentleness leading to longer service life. Needle changes have been accelerated when compared to manual reneedling with running times sharply increased.

## ALL BENEFITS AT A GLANCE



- Longer needleboard service life due to gentler needling
- Higher productivity and improved reaction times thanks to much faster needle changes and minimized needling errors
- Simple and easy changeovers to other types of board
- Low-maintenance and compact design
- Simple one-man operation
- Uniform quality thanks to precisely defined processes and reliable repeatability
- Ergonomic design thanks to specially designed, user-friendly components
- Everything from a single source, including consulting, servicing and maintenance

In summary: totally clean, gentle and efficient production, plus improved working conditions

In addition: low maintenance costs, requiring only occasional hydraulic oil and V-belt changes

## FACTS AND FIGURES

Machine dimensions (L x D x H):	3,425 mm x 1,040 mm x 1,410 mm
Machine weight:	ca. 900 kg, can be moved on casters
Needleboard length during manual transfer:	400 to 2,000 mm
Needleboard length during transfer with BoardScoot:	1,000 to 1,700 mm
Needleboard width:	100 to 400 mm
Note:	Needling of boards with needle crank positioning transverse to machine direction
Included in scope of delivery:	Spacing-independent tools (manual chuck, needle guide, double spindle)

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