## Manual Finger Punch series *punm*
## 300 – 600 – 900
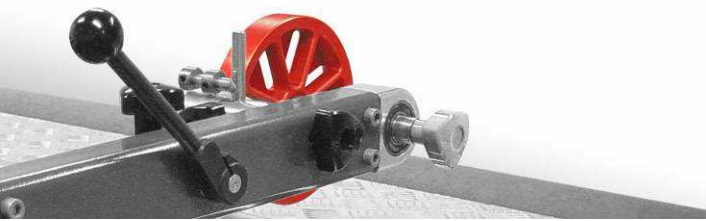# OPERATION MANUAL
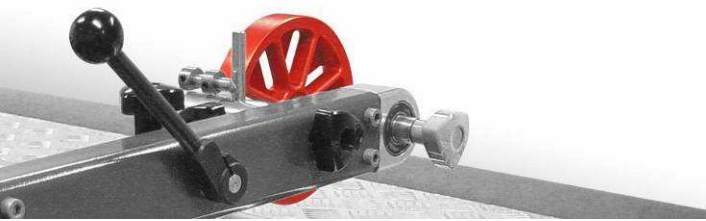
# Contents

## Description

This puncher is meant to punch fingers at the ends of PU- en PVC-conveyor belts as a preparation for making finger- or finger-over-finger splices.

The PUN M is a manually operated puncher that does not need electricity or air pressure for its operation. The punching force of 50 kN can be applied by hand easily. Therefore this puncher is very suited for working on location.

Although the punchboard has a net width of 300 mm (600 mm for the PUN 600M & 900 mm for the PUN 900), the open construction of the frame allows belts of larger sizes to be punched with the PUN 300/600/900 M.

With one pull a finger punch of 90 mm wide can be made (based on 50 x 20 fingers for finger-overlap-finger splicing) or 60 mm wide (based on 80 x 20 or 70 x 15 fingers for single finger splicing)

## Operation

1. Unlock the punch board support by releasing the orange handles and slide the support towards the clamping bar, until the end stop (picture)

2. Put the belt in, against the end stop and align the left edge of the belt with the top of the V-pattern, if the first edge of the belt has to be punched (picture)

3. Clamp the belt by turning the stainless steel bar on top of the machine.

4. If a finger-over-finger splice has to be prepared, fold the top layer up and punch the bottom layer first.
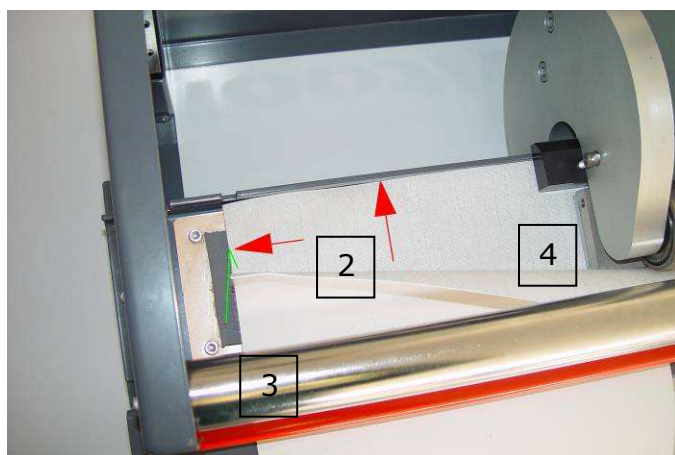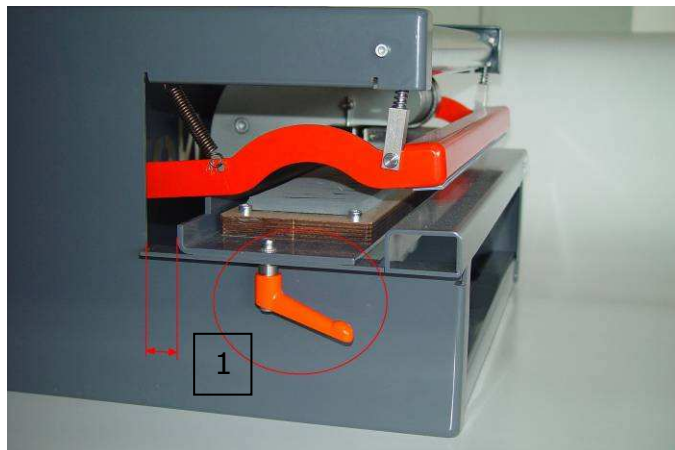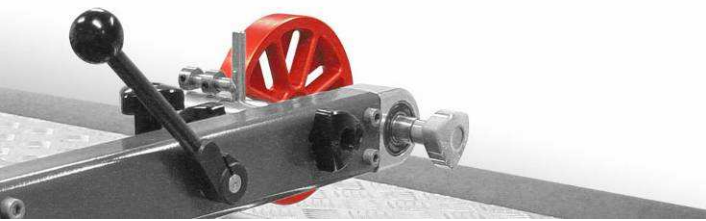
5. Punch fingers by means of the moving the C-clamp sideways along the belt and pulling the punch handle until the total belt width is punched (picture).

6. If a finger-over-finger splice has to be prepared, unlock the punch board support again and move the

   support away from the clamping bar, until the end stop. The punch board has moved 35 mm backwards now.

7. If the splice is a finger-over-finger splice, fold the top layer down and punch again.

8. Turn the belt over, to punch the other end of

   the belt. Keep the left side of the belt to the left (belt is upside down now). Now align the belt with the bottom of the V-pattern (picture).

9. Repeat the punching procedure for the other end of the belt and take the belt out.
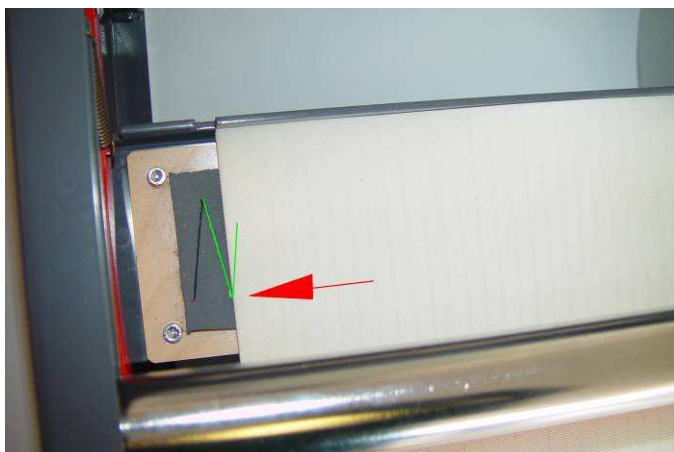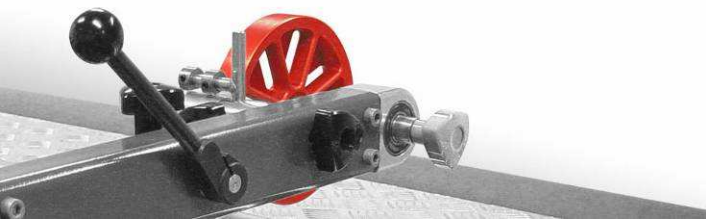
## Adjustments

1. If the punching is not deep enough or too deep, the C-clamp should be adjusted. There is a screw in the bottom part of the C-clamp (see picture). Turning the screw in increases punching depth and turning the screw out decreases punching depth.

2. There are two punching blocks with the PUN-M punchers. One is for punching 50x20 mm fingers (for finger-overlap-finger splices) and the other is for 70 mm or 80 mm fingers (for single finger splices). The punching blocks are fixed with two screws at the side of the punching blocks (see picture) and can be changed after releasing these screws.
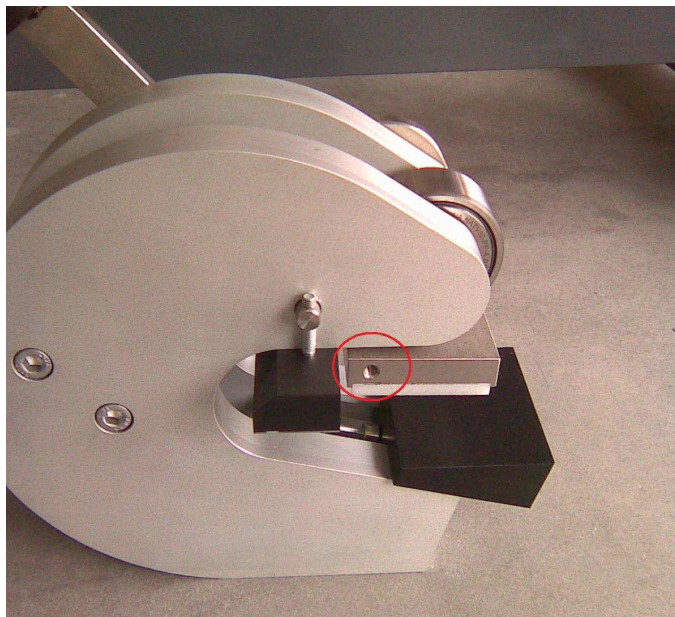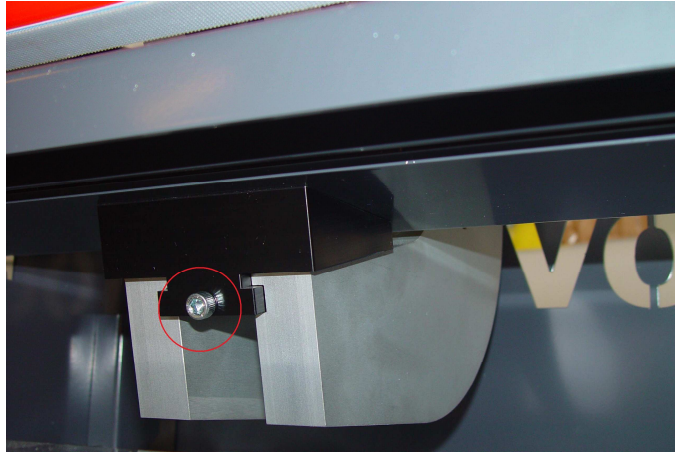
## Spare parts

|  | PUN300M | PUN600M | PUN900M |
| --- | --- | --- | --- |
| Punch board 50x20 | PB-300M 50x20 | PB-600M 50x20 | PB-900M 50x20 |
| Punch board 70x15 | PB-300M 70x15 | PB-600M 70x15 | PB-900M 70x15 |
| Punch board 80x20 | PB-300M 80x20 | PB-600M 80x20 | PB-900M 80x20 |
| Nylon inlays | PUN-O MINL | PUN-O MINL | PUN-O MINL |
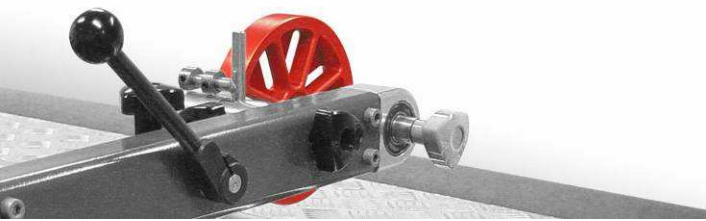
## Description transportation security

For safe transportation the C-bracket can be in a put in a parking position. In the middle of the punching plate is a hole, by switching the handle in the down position the C-bracket is secured and will not slide anymore.

Perpare for use, relaese the handle to the up position and the C-bracket is enabled to slide allong the punching plate to any desired position.
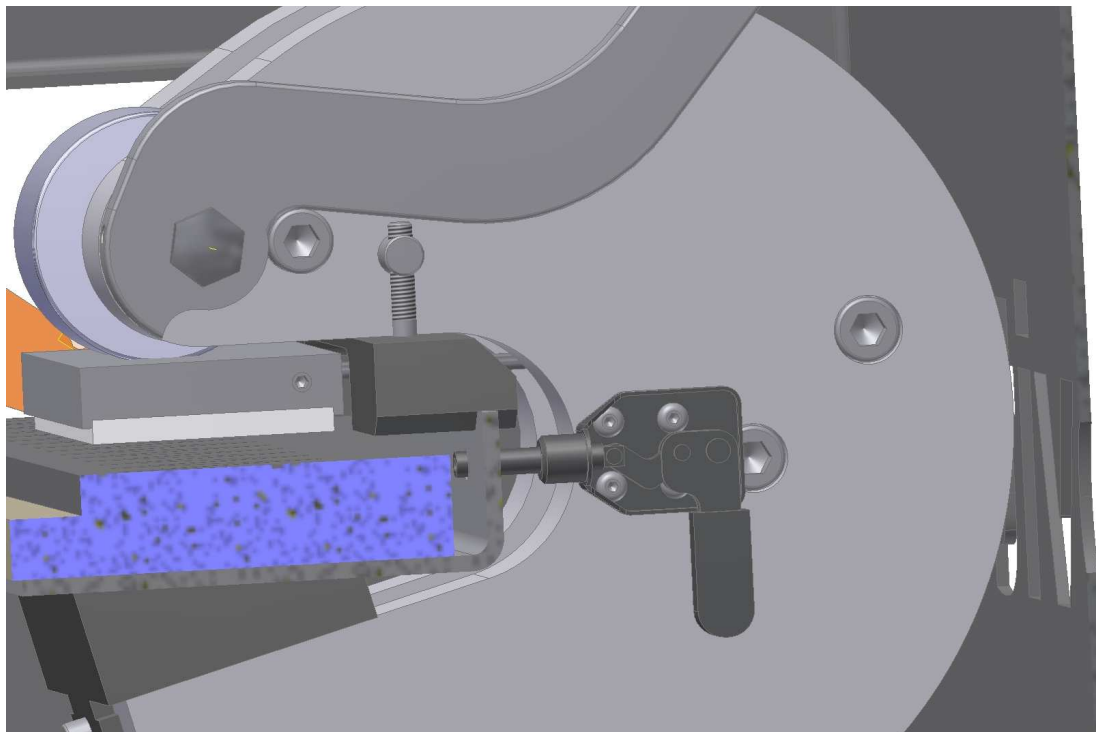


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