

Pile Turner PW-1

turns the material
both automatically and fast



Edition: 05.2019 \ Subject to technical alterations.

Description Pile Turner PW-1

The POLAR PW-1 pile turner is mainly employed for handling the half-size format and works at a high speed saving cost and power. The pile to be turned is moved onto the platform from one side of the unit. Two pushbuttons must be pressed to close the platform. After another key is pressed the platform is turned around its horizontal axis and onto the opposite side of the unit. Two pushbuttons are pressed (and kept pressed) to open it again. Finally, the turned stack can be moved out of the platform.

Any damages or markings that cannot be avoided when the material is re-stacked manually are almost completely ruled out by automatic reversal.

The POLAR PW-1 pile turner must be fastened to the floor with anchors.

Customer benefits

- There are no long waiting times caused by manual re-stacking
- Saves the material and prevents damages
- Improves ergonomic conditions, because the lifting of heavy loads is avoided

Technical data

Format max	640 × 740 mm 25.20 × 29.13 in
Size of platform	675 × 836 mm 26.57 × 32.91 in
Pile height, min. (incl. 2 pallets)	470 mm 18.50 in
Pile height, max. (incl. 2 pallets)	1,255 mm 49.41 in
Carrying capacity, max.	500 kg 1,102 lbs

Further technical data are available for download on our website.

Pile Turner PW-4

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Description Pile Turner PW-4

The automatic POLAR pile turner PW-4 is predominantly used for the medium-size format. This type of pile turner provides a high performance and short turning time, although it requires only little space.

The pile to be turned is moved onto the platform which is then closed by pushbutton. Pressure control flaps prevent the pile from being clamped excessively and ensure that even damp printed sheets are handled with care. After that, the platform is moved to a horizontal position for being turned. After the manual turn the platform is again moved to a vertical position, before it is opened by pushbutton activation. Finally, the turned stack can be unloaded from the platform. The pile turner unloads the turned stack at the same position where it was taken up.

Any damages or markings that cannot be avoided when the material is re-stacked manually are almost completely ruled out by automatic reversal.

The POLAR pile turner PW-4 needs no anchoring to the floor and can easily be taken to different locations of operation by means of a lift-truck.

Customer benefits

- /// There are no long waiting times caused by manual re-stacking
- /// Saves the material and prevents damages
- /// Improves ergonomic conditions, because the lifting of
- /// heavy loads is avoided

Technical data

Format max	800 × 1,200 mm 31.50 × 47.24 in
Size of platform	900 × 1,300 mm 35.43 × 51.18 in
Pile height, min. (incl. 2 pallets)	580 mm 53.74 in
Pile height, max. (incl. 2 pallets)	1,365 mm 2,205 in
Carrying capacity, max.	1,200 kg 2,646 lbs

Further technical data are available for download on our website.

Pile Turner PW-4 ABV

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Description Pile Turner PW-4 ABV

The automatic POLAR pile turner PW-4 ABV is predominantly used for the medium-size format. This type of pile turner provides a high performance and short turning time, although it requires only little space. The pile to be turned is moved onto the platform which is then closed by pushbutton. Pressure control flaps prevent the pile from being clamped excessively and ensure that even damp printed sheets are handled with care. After that, the platform is moved to a horizontal position for being turned. After the manual turn the platform is again moved to a vertical position, before it is opened by pushbutton activation. Finally, the turned stack can be unloaded from the platform. The pile turner unloads the turned stack at the same position where it was taken up.

In the horizontal position for turning, the pile can be tilted 15°. In this position the pile can be ventilated and aligned. Ventilation improves the climate in the pile, ensures faster drying of the printing ink and neutralizes the smell. The result is a much steadier production process. The air volume, as well as the speed of the nozzles can be adjusted invariably. An adjustable hold-down clamp prevents sheets from "shifting upwards". The vibration feature improves the quality of precisely aligned edges.

Any damages or markings that cannot be avoided when the material is re-stacked manually are almost completely ruled out by automatic reversal.

The POLAR pile turner PW-4 ABV needs no anchoring to the floor and can easily be taken to different locations of operation by means of a lift-truck.

Customer benefits

- There are no long waiting times caused by manual re-stacking
- Saves the material and prevents damages
- Possible risks arising in the subsequent production process can be reduced by precisely aligning the stacks and blowing out the printing powder
- Shorter production time, because ink dries faster

Technical data

Format max	800 × 1,200 mm 31.50 × 47.24 in
Size of platform	900 × 1,300 mm 35.43 × 51.18 in
Pile height, min. (incl. 2 pallets)	580 mm 53.74 in
Pile height, max. (incl. 2 pallets)	1,365 mm 2,205 in
Carrying capacity, max.	1,200 kg 2,646 lbs

Further technical data are available for download on our website.

Pile Turner PW-6 ABV

turns the material
both automatically and fast



Description Pile Turner PW-6 ABV

The automatic POLAR pile turner PW-6 ABV is predominantly used for the large-size format.

This type of pile turner provides a high performance and short turning time, although it requires only little space.

The pile to be turned is moved onto the platform which is then closed by pushbutton. Pressure control flaps prevent the pile from being clamped excessively and ensure that even damp printed sheets are handled with care. After that, the platform is moved to a horizontal position for being turned. After the manual turn the platform is again moved to a vertical position, before it is opened by pushbutton activation. Finally, the turned stack can be unloaded from the platform. The pile turner unloads the turned stack at the same position where it was taken up.

In the horizontal position for turning, the pile can be tilted 15°. In this position the pile can be ventilated and aligned. Ventilation improves the climate in the pile, ensures faster drying of the printing ink and neutralizes the smell. The result is a much steadier production process. The air volume, as well as the speed of the nozzles can be adjusted invariably. An adjustable hold-down clamp prevents sheets from "shifting upwards". The vibration feature improves the quality of precisely aligned edges.

Any damages or markings that cannot be avoided when the material is re-stacked manually are almost completely ruled out by automatic reversal.

The POLAR pile turner PW-6 ABV needs no anchoring to the floor and can easily be taken to different locations of operation by means of a lift-truck.

Customer benefits

- There are no long waiting times caused by manual re-stacking
- Saves the material and prevents damages
- Possible risks arising in the subsequent production process can be reduced by precisely aligning the stacks and blowing out the printing powder
- Shorter production time, because ink dries faster

Technical data

Format max	1,050 × 1,450 mm 41.34 × 57.09 in
Size of platform	1,100 × 1,480 mm 43.31 × 58.27 in
Pile height, min. (incl. 2 pallets)	750 mm 29.53 in
Pile height, max. (incl. 2 pallets)	1,740 mm 3,307 in
Carrying capacity, max.	1,800 kg 3,968 lbs

Further technical data are available for download on our website.



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