



## Web Reduction for Existing Quipp Installations

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Most of the equipment that Quipp supplies can handle a 50" web without modifications. However, the original design criteria for much of this equipment seldom dealt with webs that were less than fifty two inches wide<sup>1</sup>. Due to changes in the market, many papers are either contemplating, or are in the process of, reducing from their current web width to a fifty inch web. Quipp Customers need to make sure that they are aware of the changes that may be needed.

### Conveying Equipment

#### Press Connection

The change in web width will change the center line of the delivery out of the press. Although the press connection will not need to be changed, the location may need to move towards the nose of the former. The distance required for the move is  $((\text{current web width}/8) - (\text{new web width}/8))$ . Note that if we are discussing a single width press, the eight (8) in the denominator must be changed to a four (4).

#### Vertical Conveyors

The major change will come in the vertical conveyors. Most of our customers have verticals that employ three belts that change the stream's direction from either horizontal to vertical or vertical to horizontal. These three belts are spaced in such a way that a 12 1/2" product, placed in the center of the conveyor will tend to push the belts out. The new design for the corner boxes use only two belts that are well within the 12 1/2" required by the product. Since the corner boxes are an integral part of the vertical conveyors, when the corner boxes are changed, the vertical needs to be replaced. In the event that the vertical is coupled to a press connection, the location of the vertical may need to change when the press connection changes.

#### Horizontal Conveyors

There are two designs for the horizontal conveyors. The older of the two designs employs a pair of five (5) inch belts (thirteen inches from outside to outside of the belts), the newer design has a pair of four (4) inch belts (twelve inches from outside to outside of the belts). In the older design the horizontals that have a stream aligner mounted may need to either change or be modified (see the section on stream aligners).

#### Stream Aligners

Stream aligners are mounted on the horizontal conveyors, if they are mounted on the newer design, the blades just need to be adjusted to make contact with the stream. If they are mounted on the older design, the blades may not get in far enough to contact the stream. In this case, either a spacer needs to be made for the blades (customer supplied) or a piece of the new style conveyor can be used in this location.

#### Fold Compressors

No changes are needed on the fold compressors.

#### Horizontal Switches

No changes are needed on the horizontal switches.

#### Vertical Switches

The vertical switches will require changes. However, since there are few of them, they will be approached on an "as needed basis". Please contact your sales representative if you need information on these items.

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1. Note that the web widths discussed are for double width presses. The same issues occur with single width presses with half the web width.

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**Gap Makers**

No changes are needed on the gap makers

**Stacking and Bundle Handling Equipment:**

**Stackers**

For optimum performance, the stackers need to be tuned to the correct web width. The 400 series stackers are already set up to accept the 50" web with the possible exception that the customer may require pusher spacers. The 350 series stackers may, or may not be set up to accept the 50" web. The modifications that are needed include changing the spacers on the pushers, modifying the paper lead-in brackets and the side edge guide mounts. When in question, it is best to check the serial number of the stacker and confirm the information with the factory. Similar changes will be required on the 100 and 200 series stackers.

**Belt Conveyors**

No changes are needed on the belt conveyors.

**Rollerslat Conveyors**

No changes are needed on the rollerslats.

**Matte Top Conveyors**

No changes are needed on the Matte Tops.

**Pacers**

No changes are needed to the pacers.

**Cart Loaders**

These will require adjustment of the paper guides. Depending on the on the original web width, some spacers may be required.

In general, please contact your Quipp sales representative when contemplating a change to your web width so that we may be able to assist you in your decision.

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