



BatchBan Cutting

Optimization Software for Flat Glass Fabricators



Unlike batch based optimization software, BatchBan Cutting optimizes sheets of glass one at a time, right before cutting.

The optimization sequence accounts for all orders in queue, giving precedence to rack priority to keep a non-stop flow of completed racks moving to the next operation.

The dynamic optimizer reacts seamlessly to changes to increase cutting yield and minimize waste.

Dynamic Optimization

Reacts seamlessly to any changes in the order sequence to deliver optimal yields and a constant flow of completed racks

Unlike batch based optimization software where an entire batch of orders is optimized all at once, BatchBan Cutting optimizes only one sheet at a time, right before the sheet is about to be cut. This dynamic approach to layout optimization allows any changes in the order or priority in the desired rack sequence to be accommodated. The result is increased yield, minimized waste and a constant flow of completed racks.

Cutting Equipment Independent

Seamlessly integrates with any cutting platform, regardless of the manufacturer

BatchBan Cutting can be integrated with any cutting platform, regardless of the manufacturer. The software can be seamlessly added to new or existing equipment, without the need to invest in new equipment.

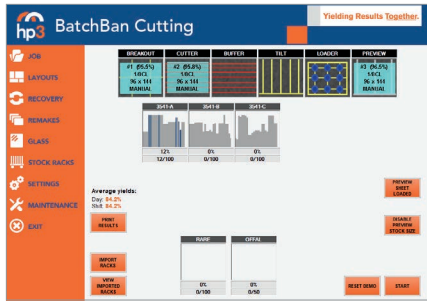
Automated Offal Usage

Identifies, stores and reclaims offal in a faster, more efficient manner than traditional optimizers

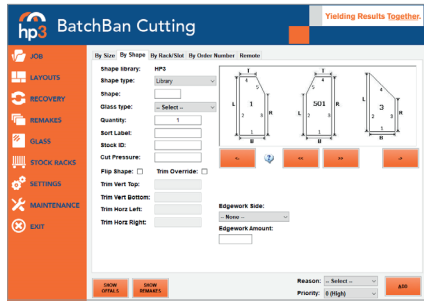
Offal, commonly referred to as scrap or remnant, is identified, stored, and tracked as a normal stock sheet would be utilized. These commonly neglected sheets are often preferred and therefore utilized faster than with traditional optimizers. The priority on these sheets means offals are less likely to become unusable due to expiration or physical damage, resulting in larger savings.

More Features >

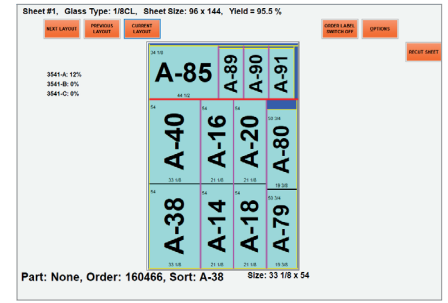




Main Screen



Remakes Screen



Layout Screen

Instant Recuts

Reproduces recuts effortlessly and intelligently, saving time and increasing yield

Dynamic optimization allows for recut pieces to be reproduced automatically and immediately after being requested. Recut pieces are produced within the next few ensuing sheets after being entered into the system. This means, that there is no more need to track pieces that break at the cutter, saving you time, and increasing cutting yield. This is due to the fact that the optimizer is able to position these recut pieces in place of what otherwise would have ended up as scrap.

Remote Remakes

Remakes can be initiated from anywhere in your facility providing you with real-time tracking and control

Remakes can be entered in real-time from anywhere within your facility via HP3's Order Entry System automatically or added manually prior to optimization. These pieces will be considered during the next optimization cycle, giving the optimizer more pieces to choose from and subsequently resulting in a better yield. Users save not only time tracking remakes, but also money by reducing scrap.

Rack Biasing

Pieces are optimized according to their rack priority, giving precedence to pieces that will facilitate constant rack flow

In order to ensure that there is a non-stop flow of completed racks leaving the cutter, the dynamic optimizer biases pieces based on their rack priority. The higher the user defined priority of a piece, the faster it will be produced. The user no longer has to wait for an entire batch to be completed prior to moving the racks to the next operation. At any given time, there is a constant flow of racks being filled and leaving the cutting station. This feature provides for a much leaner manufacturing process.

Dynamic Rack Priority

Rush orders are quickly and seamlessly accommodated without sacrificing yield

The priority of each rack can be dynamically changed at any time. During production, when a rush order comes in, the new racks are imported and assigned the highest priority. The optimizer will immediately begin producing pieces for the newly imported racks. This will ensure that rush orders are completed in a timely fashion and can increase cutting yields since racks with similar glass types can be grouped closer together.

Shape Nesting

Pieces are nested in the unavoidable, waste areas of larger shapes when possible to increase yield

BatchBan Cutting automatically attempts to place pieces in the unavoidable-waste area of larger shapes in order to further increase the cutting yield.

Low Priority Stock Integration

Stock pieces, commonly referred to as low priority, are integrated and used when possible

Many fabricators carry stock in some products. These are items in which they sell enough to justify a stock, but they are not necessarily high priority. We refer to these stock pieces as low priority, or filler pieces. During optimization, the software will place as many of these low priority pieces as possible on the sheets in order to improve the cutting yield.

Look-Ahead Feature

Rare pieces are selected and utilized when a sheet yield falls below a user-defined level

If a sheet yield is projected to be low, the optimizer will "Look Ahead" and call up a piece slated for an upcoming rack, not currently mounted at the cutter. It will be placed in a temporary holding rack, called a rare rack, until its designated harp rack is mounted at the cutter. This maintains yield and minimizes waste.

Learn more: hp3software.com Call: 724.933.9330 Email: info@hp3software.com

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