



A Match Made In Heaven

How LovePac Moved to a New Facility in **Record Time**

The Problem

LovePac, a packaging conception and manufacturing company, creates custom boxes, inserts and additional components that allow their clients to ship their own products safely and reliably.

LovePac uses a vast array of machinery, from small tools to huge presses and printers. Moving their three smaller facilities into one large site presented a daunting challenge. Their three existing facilities were filled with machines and equipment for which LovePac had no technical drawings. Without this information, they could not efficiently plan the layout of their new space.

To establish the most efficient installation of their equipment in their new facility, LovePac needed to document the parameters of both the new space and all their existing machinery.

Fortunately, LovePac's Chief of Operations, Benoit Tremblay, stumbled upon an article starring Prevu3D's solution. It was love at first sight – a match made in heaven!



The Product

The ideal way to plan the layout of their new facility was to scan both the new space and their existing machinery. Any unnecessary components would need to be digitally removed from the digital space, and then the 3D models of their machinery could be digitally manipulated into an efficient floor plan.

Moving to a new facility is always an exciting process, however, without an accurate representation of both the new space and your machinery, it's a process that is often fraught with costly mistakes. Moving machines like LovePac's is expensive and time-consuming, so you don't want to take any chances in the process. Using Prevu3D's solution, clearing the old machinery from the new facility's floor, and moving in their own equipment was an easy task. The most difficult yet most valuable portion of the process was deciding how to optimally position the machines - but that could now be done digitally and without mistakes, saving many hours of heavy labour in the process.

The Benefits

Planning layouts has never been as easy as it now is with Prevu3D. You can simply select a machine, cut it out from the 3D model, grab one of the axes to move the machine to its desired location, and then rotate it into place. LovePac's team could create different layout scenarios and decide on the optimal one in record time. Immersing themselves in their layout design allowed LovePac to find the key elements that would lead to efficient success or frustrating delays in production, without physically having to rearrange their equipment.

Once moving day arrived, LovePac knew exactly where to position their equipment in their new facility, saving time and money. The entire move, from acquiring the facility to having it up and running smoothly, only took 6 months.



From a collaborative and brainstorming point of view, we could create scenarios in a few minutes and directly intervene if something did not work. We see the actual layout before machinery is removed from the facility.

We can physically see how everything will fit. It's amazing!



Benoit Tremblay,
Chief of Operations at LovePac

Results, ROI and plans for the future

Without a doubt, Prevu3D's reality capture solution has greatly benefitted LovePac. Instead of having to go on-site, measure everything manually, calculate available space and figure out machine sizes, they could accurately and quickly manipulate their space digitally. This interactive process helped to efficiently plan for success and identify and eliminate potential costly errors, all from the comfort of LovePac offices.

