

Case Study: Rapid Showroom Transformation Under Tight Constraints

Client Industry	Lighting Retail & Commercial
Project Type	Showroom Signage (Die-Cut Vinyl, Backdrops) & Product Tags
Production Lead	Beth Simms
Job Identification	Job #43496

The Challenge

A major commercial lighting manufacturer required a complete suite of premium retail assets—including specialized large-format showroom backdrops, precise die-cut vinyl signage, and itemized product tags—for an out-of-state showroom launch. Due to shifting event timelines, the client faced an incredibly restrictive turnaround window, leaving less than a week (4–5 days total) to successfully preflight, print, finish, and ship the cargo across state lines to meet the strict corporate launch schedule.

The Solution

Recognizing the critical nature of the corporate launch deadline, the internal project management team immediately overhauled the active production workflow to prioritize the rush order. To execute the high-fidelity branding assets seamlessly, the production team utilized advanced industrial printing and finishing lines:

- **High-Speed UV Large Format Printing:** Employed state-of-the-art UV-curable ink systems to ensure vibrant color accuracy and instant ink curing, allowing the backdrops and vinyl elements to move immediately into the finishing stage without waiting for dry times.
- **Precision Multicam CNC Cutting:** Routed the intricate shapes required for the custom die-cut vinyl signage and product tags with absolute mechanical precision, eliminating the lead time associated with traditional physical tooling dies.
- **Overtime Dedication:** The internal graphic design department extended working hours into the night, manually adjusting and optimizing client vector paths to ensure flawless registration and error-free preflighting prior to processing.

The Results

Through proactive scheduling modifications and rapid automated finishing, the entire fulfillment package successfully bypassed traditional transit bottlenecks, arriving at the out-of-state facility ahead of schedule. By cutting the anticipated turnaround time down to just a few days, the client secured an unexpected operational buffer, providing their on-site team with ample time to stage the lighting showroom flawlessly before attendees arrived. The client expressed immense relief regarding the timeline management and commended the pristine visual quality of the retail displays.

Case Study:

Streamlined Hardware Sourcing and Fast-Track Tradeshow Fabrication

Client Industry	Food & Beverage Wholesale
Project Type	Premium Stretch Fabric Backdrop & Draped Branded Tablecloth
Production Lead	Beth Simms
Job Identification	Job #44537

The Challenge

A national commercial food service group required high-impact promotional displays for an upcoming industry trade show. The required items included a custom-engineered stretch fabric display backdrop alongside a matching, fully draped branded tablecloth. Because trade show floor placements are rigid and unyielding, the client required these custom hardware and textile products completed and delivered directly to the venue within an expedited 4-to-5-day window, leaving zero margin for supply chain disruptions.

The Solution

Fulfilling stretch fabric displays requires a dual-track approach: acquiring the exact physical aluminum frame hardware while simultaneously outputting large-format textile sub-assembly prints. To beat the clock, the account manager enacted an immediate fast-track protocol:

- **Expedited Supply Sourcing:** Bypassed standard freight procedures to instantly secure the structural display framework from premium inventory pipelines.
- **Accelerated Prepress Verification:** Coordinated closely with the client's creative team to pull raw artwork files into active prepress queues instantly, ensuring text resolution, bleed allowances, and dye-sublimation color spaces were validated within hours of receipt.
- **Integrated Assembly Management:** Synchronized the hardware arrival perfectly with the wide-format textile printing schedule, facilitating immediate quality-control test fittings on the shop floor before final packing.

The Results

The complete, display-ready exhibition assets were delivered to the event coordinators well ahead of the final opening bell. This swift execution allowed the brand ambassadors to construct their booth leisurely, removing the traditional stress associated with fast-moving trade show setups. The client reported that the physical installation looked fantastic on the exhibition floor, drawing clear consumer engagement and presenting a polished, seamless corporate identity.

Case Study: Ultra-Rapid Prepress and Same-Day Decal Fabrication

Client Industry	Corporate Event Planning
Project Type	Dual 32-Inch Architectural Round Decals
Production Lead	Tammy Rundle
Job Identification	Job #45437

The Challenge

An elite event management firm encountered an immediate, critical asset shortage in the final hours leading up to a major venue activation. The project demanded the fabrication of two large, 32-inch circular floor or wall decals featuring precise corporate branding. The client faced an absolute deadline of less than 24 hours, requiring the completed architectural graphics in hand before the close of business on the exact same day.

The Solution

To accommodate this extreme same-day emergency, the scheduling manager pushed the order to the absolute front of the digital large-format queue, condensing a multi-day industrial printing and finishing workflow into a highly coordinated, two-hour express operation:

- **High-Performance Digital Output:** Processed the graphic assets using heavy-duty Gandy digital printing platforms, which utilize advanced high-speed print heads to deposit rich, high-density inks without sacrificing fine detail or edge sharpness.
- **Automated Mechanical Routing:** Transferred the cured prints directly onto a high-speed Multicam CNC routing table, applying automated digital cutting files to achieve a mathematically perfect circular edge across the 32-inch diameter, entirely bypassing manual hand-cutting limitations.

The Results

From initial design intake to finished product, the entire manufacturing cycle was successfully completed in just two hours. The event planners were able to complete an end-of-day pickup, exceeding their strict emergency deadline and ensuring the experiential marketing installation could proceed precisely as choreographed without a single moment of delay.

Case Study:

Overnight Emergency Fabrication of Custom Die-Cut Commercial Graphics

Client Industry	Experiential & Event Marketing
Project Type	28" x 14" Custom Machine Decal (Die-Cut Vinyl Lettering)
Production Lead	Tammy Rundle
Job Identification	Job #44785

The Challenge

An event planning customer submitted an urgent order for an architectural machine decal measuring 28" x 14". The raw graphic files were received late in the afternoon at 4:11 PM, with a rigid, non-negotiable on-site delivery deadline set for 10:00 AM the following morning. This left the production facility with less than two and a half total operational business hours to process, manufacture, weed, mask, and deliver the intricate die-cut vinyl package.

The Solution

Harnessing disciplined workforce synergy and automated machinery, the production team executed a flawless overnight turnaround strategy:

- **Rapid Die-Line Creation:** Graphic designer Derek immediately intercepted the incoming creative files at 4:11 PM, manually drawing precision vector toolpaths and die-cut outlines to convert the design into machine-readable cutting data.
- **CNC Vinyl Processing:** Sent the optimized paths to the Multicam cutter, allowing high-precision blades to score the exact geometry of the custom lettering into high-performance vinyl stock.
- **Meticulous Hand-Finishing:** Skilled finishing technicians immediately performed complex hand-weeding to extract the excess matrix material from the intricate negative spaces of the letters, finishing the assembly by applying an industrial-grade clear transfer sheet for precise client installation.

The Results

Through intense focus and aggressive internal collaboration, the custom branding decal was fully completed and ready for deployment prior to the morning deadline. The customer took possession of the custom graphics before 10:00 AM, successfully fulfilling their tight contract obligations with zero asset defects.

Case Study:

Supply Chain Rescue and High-Volume Corporate Benefits Publishing

Client Industry	Heavy Industrial Steel Fabrication
Project Type	Corporate Benefits Booklets (1,505 English / 99 Spanish Edition)
Production Lead	Tammy Rundle
Job Identification	Job #45484

The Challenge

A national steel fabricating corporation faced a severe operational crisis when their primary commercial print vendor defaulted on a critical timeline for seasonal open enrollment benefits materials. With mandatory regulatory deadlines looming, the client desperately required the immediate publication of 1,505 copies of a comprehensive 24-page English Benefits Book alongside a specialized 99-copy Spanish language edition. The completed multi-page corporate booklets had to be compiled, perfect-bound or stitched, and distributed across multiple regional corporate divisions simultaneously by October 30.

The Solution

Stepping in to rescue the project from vendor failure, the account team restructured the production pipeline to absorb the heavy multi-page publishing job, deploying high-volume digital production presses and automated booklet-making technology:

- **Advanced Digital Press Production:** Leveraged the ultra-consistent imaging capabilities of a Canon imagePRESS production press to output thousands of high-resolution, double-sided 24-page signatures with crisp text rendering and uniform grayscale balances.
- **Inline Finishing Automation:** Routed the printed blocks into high-capacity Duplo booklet-making lines, executing automated collating, precision folding, saddle-stitching, and three-knife face trimming in a single continuous mechanical pass.

The Results

By leveraging robust automated bindery systems, the emergency publication order was completely produced and securely packaged in record time. All multi-regional division shipments arrived precisely on or before the October 30 deadline. The steel fabricator achieved 100% compliance for their open enrollment period with zero printing variance and absolute logistical accuracy across both linguistic editions.

Case Study: Holiday Corporate Event Signage Under Accelerated Timelines

Client Industry	Food Production & Manufacturing
Project Type	36 Custom Holiday-Themed Exhibition Prints
Production Lead	Tammy Rundle
Job Identification	Job #45637

The Challenge

A major food manufacturing enterprise required a premium package of 36 distinct holiday-themed environmental display prints to decorate their annual corporate gala. The client was trapped in a compressed seasonal timeline, transferring final art assets to the prepress queue on Wednesday, December 9 at 3:24 PM, with an ironclad delivery requirement of Friday, December 12. This left a razor-thin manufacturing window to handle file optimization, large-format panel printing, rigid substrates trim work, and local distribution.

The Solution

The project management team immediately bypassed traditional multi-day layout queues, mapping out an aggressive production path utilizing rapid UV ink technologies and rigid cutting automation:

- **High-Throughput Digital Substrate Printing:** Processed the 36 distinct graphic files via a heavy-duty Gandy industrial press, using direct-to-substrate UV printing to instantly cure dense holiday colors onto rigid sheets, bypassing the need for separate vinyl mounting procedures.
- **Precision Substrate Finishing:** Automated the panel separation using a Multicam CNC knife and routing table, utilizing optical camera registration markers to trim all 36 prints down to their final dimensions with perfectly squared, clean edges.

The Results

The entire 36-piece environmental graphic package was successfully processed, finished, and dispatched for delivery on Friday, December 12, meeting the exact corporate deadline. The food manufacturer received the flawless, vibrant thematic prints with zero dimensional defects, allowing their event team to execute a beautiful, cohesive venue transformation for the holiday celebration the following week.

Case Study: Industrial High-Volume Custom Die-Cut Product Label Production

Client Industry	Food Manufacturing & Packaging
Project Type	3,450 Specialized Die-Cut Product Labels and Lids
Production Lead	Tammy Rundle
Job Identification	Job #43490

The Challenge

A commercial crafted foods provider needed to fulfill a critical packaging run consisting of 3,450 specialized die-cut product labels and matching containers lids. Due to automated filling and assembly schedules at the client's food manufacturing plant, the delivery window was extremely narrow. Any delay in label delivery would stall automated conveyor operations, threatening shelf-life constraints and supply commitments.

The Solution

To deliver high accuracy across thousands of small-format physical units under intense pressure, production specialists allocated the job to a dedicated narrow-format digital production line

- **High-Definition Digital Press Work:** Deployed a premium Canon digital press line, optimized specifically for synthetic adhesive stocks, to ensure color consistency and text clarity across all 3,450 label prints.
- **Inline Micro-Die Cutting:** Controlled registration margins precisely during the finishing phase to achieve a seamless kiss-cut edge, ensuring that each individual label and lid element could be peeled cleanly and rapidly by the client's automated labeling equipment without tearing or jamming.

The Results

The total volume of 3,450 high-fidelity labels and lids was fully fabricated, inspected, and delivered directly to the client's packaging facility right on time. The precision manufacturing allowed the client's high-speed mechanical label applicators to run continuously at full capacity, safeguarding their processing schedule and preserving their commercial wholesale distribution timeline.

Case Study: Rapid-Turnaround Multi-Page Municipal Document Publishing

Client Industry	Municipal Government & Public Services
Project Type	9,066 36-Page General Worker Benefits Guides & 212 Crossing Guard Guides
Production Lead	Tammy Rundle & Pat Delahunty
Job Identification	Job #45796

The Challenge

A major metropolitan municipal government required the immediate, high-volume publication of official regulatory documents for their public workforce. The project demanded the production of 9,066 copies of a comprehensive, 36-page General City Worker Benefits Guide alongside a separate, specialized run of 212 Crossing Guard Benefits Guides. Due to strict public union communication windows and legislative enrollment deadlines, the city's project manager issued an incredibly compressed, urgent production window requiring thousands of multi-page books to be printed, bound, boxed, and delivered without error.

The Solution

Executing a large-scale government contract on an accelerated timeline requires significant industrial capacity and rigorous oversight. Senior leadership directly supervised a multi-stage print and bindery strategy:

- **High-Volume Signature Printing:** Maintained maximum throughput across high-speed digital press lines, printing tens of thousands of total pages while continuously monitoring internal registration, double-sheet detection, and text alignment.
- **Synchronized Automatic Bindery:** Managed a continuous collating, folding, and heavy-duty stitching line to process the 36-page documents into durable, clean-trimmed booklets, keeping pace with the active press outputs.
- **Strict Quality Control:** Implemented batch-checking protocols to guarantee that text page counts were complete and that the specialized, lower-volume Crossing Guard manuals remained completely segregated from the primary general worker distribution lots.

The Results

The massive public sector order—totaling more than 9,200 books—was completely manufactured and securely delivered ahead of the municipal deadline. Every single 36-page document was delivered with absolute printing accuracy, zero binding defects, and perfect packaging compliance. This flawless execution allowed the government entity to distribute the critical benefit packages to its workforce right on schedule, completely eliminating the risk of regulatory delays or enrollment friction.

Case Study:

Immersive Prop Fabrication and Period-Accurate Retail Set Design

Client Industry	Motion Picture & Entertainment Industry (Netflix Feature Film)
Project Type	Period-Accurate 1980s Supermarket Set Decoration (End caps, PVC Signs, Labels)
Production Lead	Beth Simms
Job Identification	Jobs #35928, #39552, & #34578

The Challenge

A production design crew for a major Netflix feature film adaptation required an immediate, comprehensive suite of custom commercial graphics to construct a fully immersive, period-accurate 1980s supermarket sound stage. The order spanned three distinct production phases, encompassing heavy cardboard end cap signage, rigid PVC hanging aisle markers, and thousands of individualized vintage product labels. Because film studio production crews operate on incredibly expensive hourly union schedules, the facility was given an intensive 3-to-4-day deadline to consult on appropriate materials, print the assets, finish them, and deliver them to the active movie set before filming commenced.

The Solution

Creating set decorations for high-definition film cameras requires meticulous material knowledge to avoid on-camera glares, synthetic reflection artifacts, or structural bending under intense studio lighting. Account managers and finishing teams launched an intensive, round-the-clock fabrication plan:

- **Material Consulting & Production:** Selected specialized non-reflective matte-finish stocks to ensure all printed elements looked authentic under cinematic lenses. Heavy cardboard structures were printed and cut for structural end caps, while high-density, matte-finish rigid PVC boards were utilized for structural overhead signage.
- **Dual-Track Print Technology:** Routed thousands of individual product labels through precision digital color engines before sending them to a high-speed Multicam automated cutter for precise kiss-cutting, allowing easy peeling on set. Simultaneously, the larger rigid PVC and end cap panels were processed across direct-to-substrate industrial UV printing lines.
- **Extended Shift Mobilization:** To guarantee delivery, senior graphic artists and bindery operators reorganized their shifts, starting early in the morning and working deep into the night to run, weed, trim, and pack the extensive multi-job cargo.

The Results

Every piece of the 1980s grocery store environment was delivered directly to the studio stage within the tight 3-to-4-day production window, completely satisfying the rigorous visual standards of the film's art directors. The timely delivery prevented any delay in the shooting schedule, enabling the crew to build a flawless, cinematically immersive set. The props performed beautifully under the lights, contributing to a seamless historical aesthetic for the feature film production.