

SCOREBOARD PANEL



AGILITY

STEP technology allows for quick iterations without the tedious tooling / validation required for injection molding

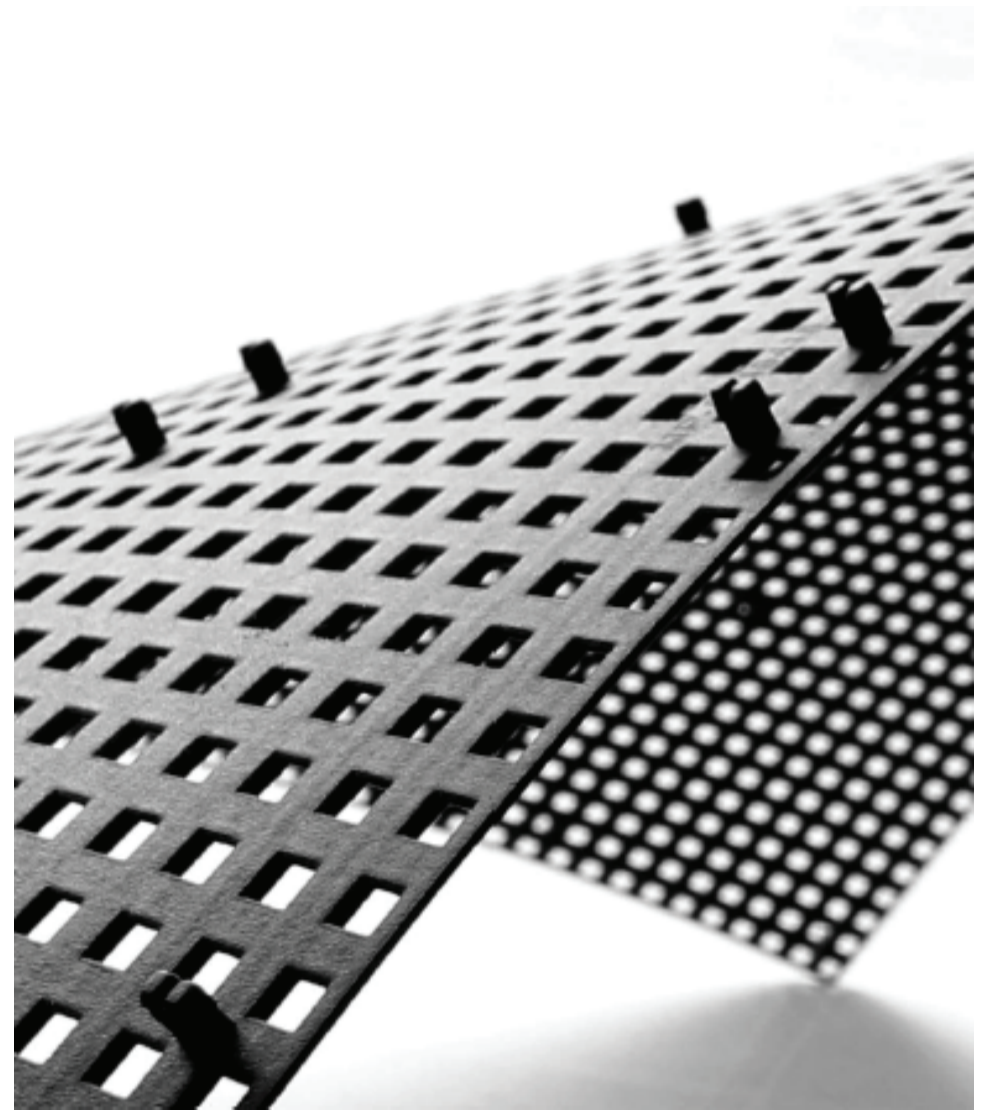
Can produce injection molded quality parts

SPEED VS. INJECTION MOLDING

Injection molding would have required complex tooling with a lead time of 8-19+ weeks

Would have required tooling with 2 lifters per clip feature which would be prone to breakage due to the size

Part validation (1-2 weeks) if parts weren't up to spec, the cycle would repeat



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Actual part size 475 x 280 mm

CHALLENGE

Evolve client, Fathom Mfg. (a contract manufacturer) had their customer, Daktronics, contact them with a challenge; they needed scoreboard panels for a new arena. The scoreboard was designed in a racetrack style. Other methods of panel design would require multiple individual molds and a high degree of tool automation. The scoreboard needed to be flexible, durable, and have the ability to hold an electronic light panel in place.

SOLUTION

The use of STEP technology was chosen because of the durability of ABS material, and the ability to create extremely thin walls and fine details. The unique clip design was able to hold the light panels securely in place. The customer was pleased with the quality of the new technology, the quick turnaround time and cost savings.

43%

Cost Savings

63%

Time Savings

Versus Injection Molding