



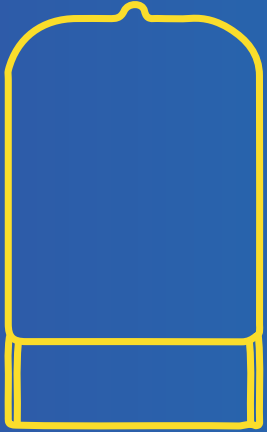
EST. 1926

**SAUER**  
SYSTEM

# G3 SCORING

IMPROVE YOUR SCORE WITH THE INDUSTRY  
LEADING SCORING PROFILE

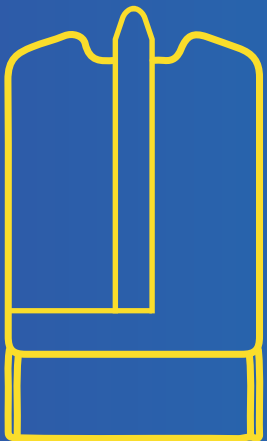
## SCORING PROFILES



◀ **Conventional Scoring Profile**



▶ **Typical OEM Scoring Profile**

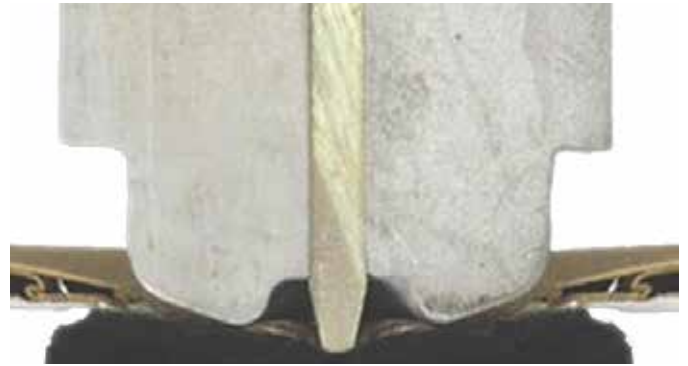


◀ **Sauer G3 Scoring Profile**

In most cases, the system features a replaceable scoring insert, available in various heights for different applications.

## A New and Improved Concept

Traditional scoring profiles were designed in a time when corrugated board was made from paper containing mainly virgin fiber. Today's board contains a high percentage of recycled content and is often made with lightweight liners. Using traditional scoring profiles with recycled board can lead to rolling scores, excessive manufacturer's gap variation, and trouble achieving a consistent score line.



The G3 scoring system is specifically designed to improve scoring and folding when converting recycled board and other challenging materials. Traditional profiles force the board to stretch around the male bead during the scoring process, leading to rolling scores or fractured liners due to the recycled paper being integrally weak. The G3 male profile incorporates specific geometry to condition the board and provide relief for the inside liner, encouraging it to tuck into the grooves between the tapered scoring bead and adjacent rounded shoulders. The result is improved folding, a reduction in manufacturer's gap variation and a superior finished product.

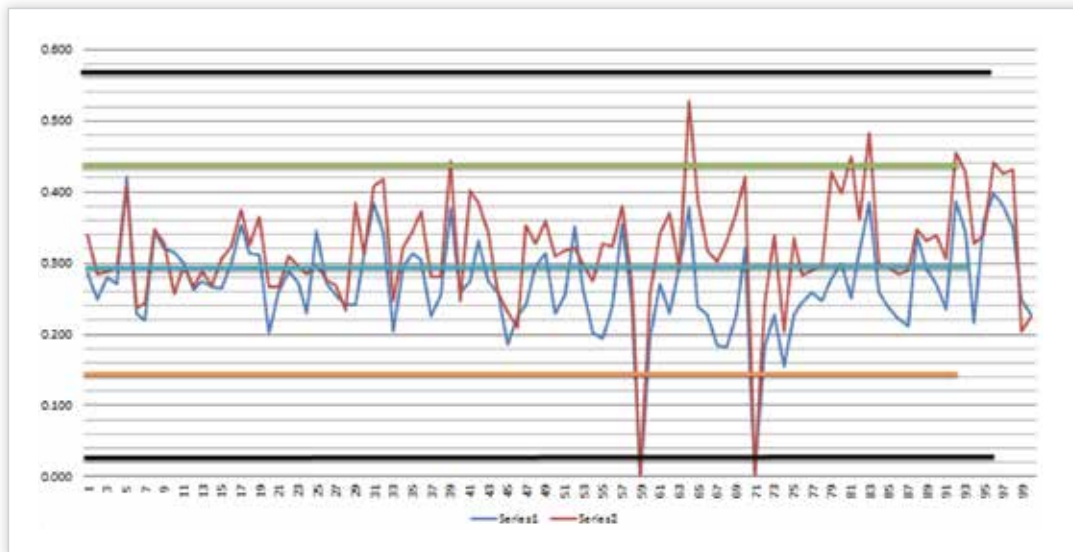
# A Proven Design

If you're relying on a scoring system designed with yesterday's technology for yesterday's paper and yesterday's quality demands, you may not be delivering the high-quality boxes that are required for today's customer demands. It may not be your machine, just your tooling. Sauer scoring equipment is the standard in the corrugated industry. After all, we took our first order for scorers in 1929 and have continued to lead the industry in scoring technology and innovation ever since.

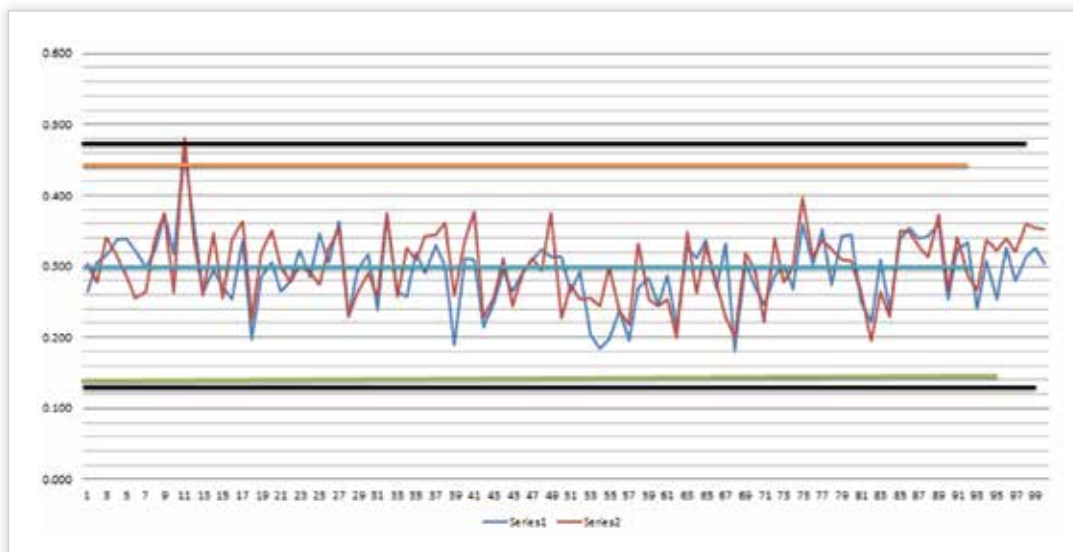
Our latest innovation, the G3 profile family of score tooling, is the technology we put our name on and our reputation behind. Customers report that upgrading their score tooling to the G3 scoring system has resulted in better folding, higher quality finished boxes, and fewer rejects.

## Manufacturer's Gap Control Test Run at a Major Integrated Plant on 32 ECT

Original Score ▶



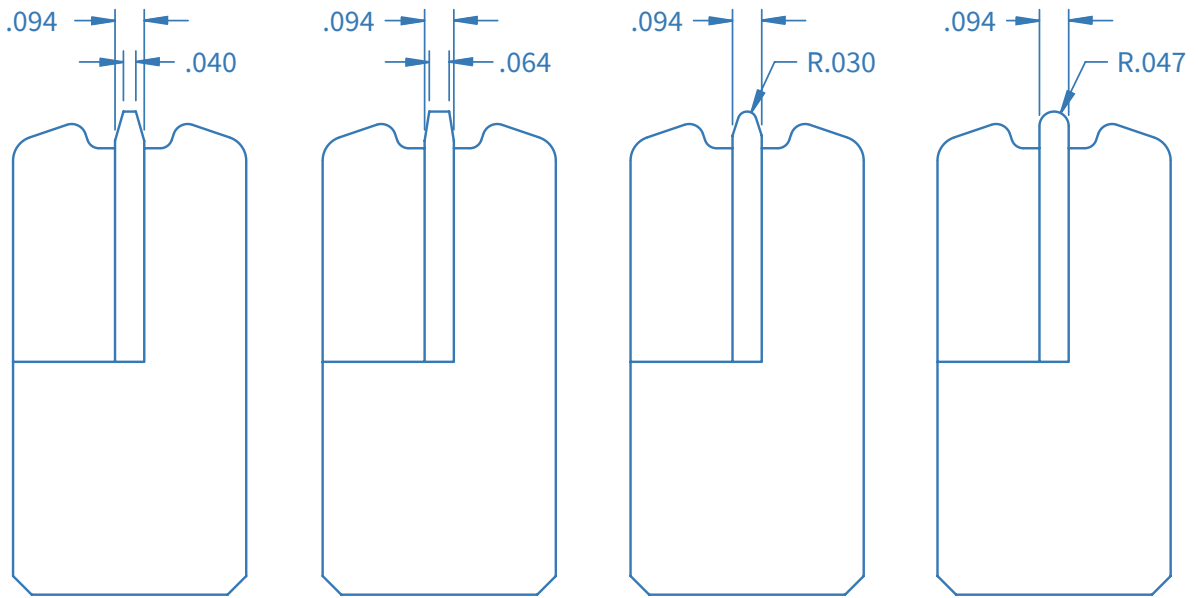
G3 Score ▶



# Insert Heights and Styles

A key benefit of the G3 is the ability to customize the profile by changing the height and geometry of the scoring insert. Although the “Radiused Tip Tapered” insert style is recommended for most applications, four different insert styles are currently offered. Each is suited to a specific application.

Available  
Insert Styles ▶



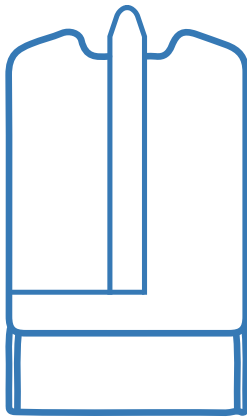
Insert Style	Standard Tapered	Wide Tapered	Radiused Tip Tapered	Full Radius
<b>Description</b>	Tapers from .094” to .040” with a flat tip.	Tapers from .094” to .064” with a flat tip.	Tapers from .094” to nominally .040” with a 30-degree radius on the tip.	The .094” insert tip has a full radius on it.
<b>Application</b>	The original G3 insert, this insert is recommended when converting board that is extremely resilient to liner fracturing.	Recommended for a board mix that is extremely resilient to fracturing and features a high grammage liner.	The current standard insert. This insert is recommended for most applications including most variations of “B” flute, “C” flute, and up to medium grade double wall.	This insert is only recommended when preventing liner fracturing is the top priority.
<b>Available Heights</b>	.030”, “.040”, .050”, .060”, .070”, .080”	.050”, .060”, .070”, .080”	.030”, “.040”, .050”, .060”, .070”, .080”	.020”, .030”, .040”, .050”



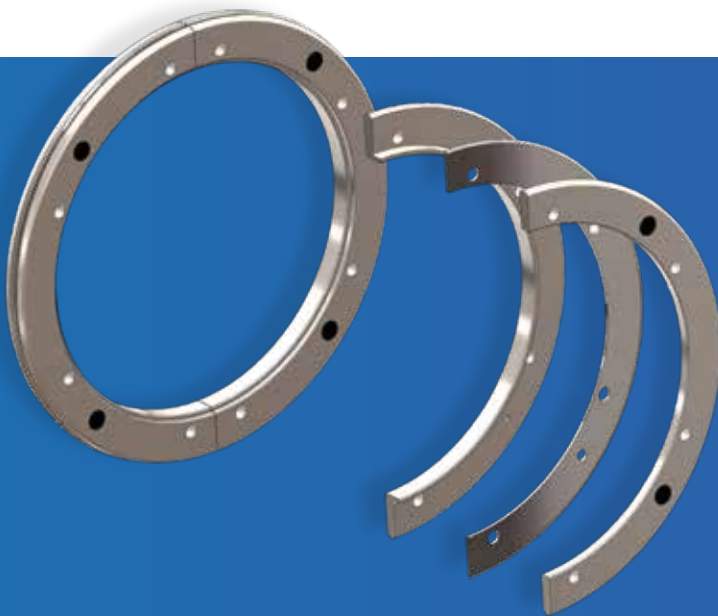
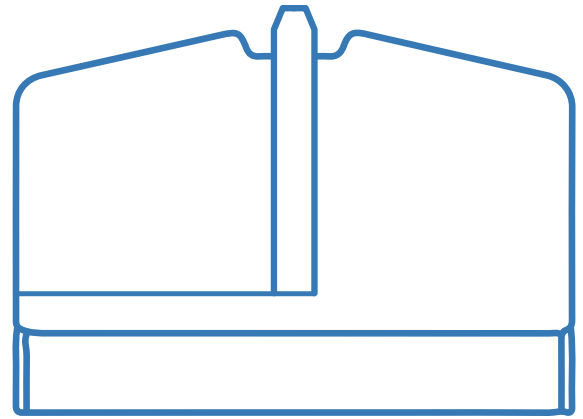
# The Heavy Duty G3

The Heavy Duty G3 profile is designed to handle board grades ranging from triple wall to “B” flute. It features a wide profile with wider shoulders and a wider scoring insert for added crush and a more pronounced score line. While the profile was designed specifically to handle triple wall and heavy double wall, it functions just as well on single wall and light grades of board.

G3 Profile ▶



G3 Heavy Duty Profile ▶



Pictured above is an exploded diagram of a three piece scoring ring.

## The Three Piece Scorer Advantage

With few exceptions, G3 profile scorers are designed as an assembly rather than a solid profile. The assembly consists of a base ring or hub, and a replaceable scoring insert held in place by a clamp ring. The scoring insert is precision machined for performance, made from high-grade spring steel, and heat treated and tempered to achieve maximum durability and longevity. The three piece design is a simple and cost effective solution to your scoring issues. Replacing the scoring insert on a regular basis will maintain the scorer's performance.



# The Sauer System G3 Scoring Advantage

- **Reduces Rolling Scores**
- **Reduces Liner Fracturing**
- **Improves Gap Variation Consistency**
- **Improves Folding**
- **Increases Productivity**
- **Increases Machine Speeds Possible**
- **Reduces Waste and Rejects**
- **Lowers Cost of Ownership**
- **Available for Virtually All Machine Models**
- **Use Your Existing Female Score Anvils**

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