# FOUR REASONS WHY
# YOUR FOLDING MACHINE'S OEM SCORING TOOLS WILL NEVER STOP YOUR FOLDED PRODUCTS FROM CRACKING!

The OEM scoring tools supplied with your folding machine(s) were designed to apply a linear indentation in folded products sufficiently enough to aid inline folding, and that is all. Unfortunately, **this scoring application is simply not fit for purpose** when it comes to applying a strong enough score to prevent fibre cracking issues.

It is completely understandable that folding machine manufacturers have never addressed issues related to cover stock cracking, however, it has not stopped countless users trying to utilise their standard scoring tools to try and address the problem.

This document was written to dispel any myths that your supplied OEM scoring tools can be used to produce Letterpress quality creasing to prevent fibre cracking from happening...here are 4 reasons why...

## REASON NUMBER 1

### ✖ The design of your OEM scoring blade means that it can often turn into a slitting knife that tears the sheets...

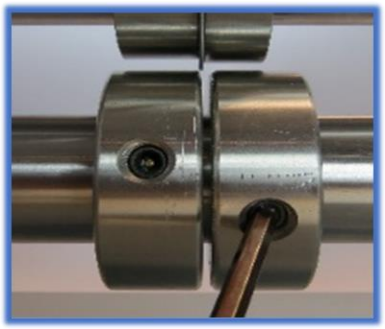
The scoring blade held in the male collar is made of thin spring steel, which is abrasive to many materials, particularly leaving single stock sheets vulnerable to damage. If the 2 female counter collars below the blade are not precisely positioned at the correct distance away tearing of the product will be the outcome.

OEM scoring tool

# REASON NUMBER 2

## ✖The optimum positioning of the female collars only serves to deliver a weak V-shaped score...

The radius of the outside edges of the female collars are acutely rounded, which can reduce the sharpness of the score impression. So, even the slightest of Incremental adjustments can take away the threat of tearing yet leave the score ineffective in relation to achieving a clean fold or reducing the threat of fibre cracking.



OEM steel scoring tool


# REASON NUMBER 3

## ✖ Setting your OEM scoring tools is a skilled and often long & drawn-out procedure that rarely delivers satisfactory results...

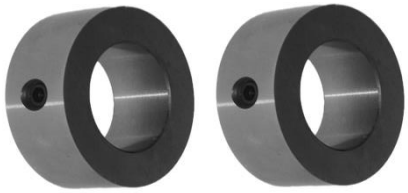
There are **numerous design flaws** within the separate components that make up the full OEM scoring tool kit that when combined they fail to achieve anywhere close to a satisfactory score result. There is a fine line between achieving a weak score or tearing the front edge of the sheet.

It becomes a **guessing game** for the operator. For example, light paper requires a narrow score, whereas 350 gsm card stock material must have a deeper and wider score setting to allow for the bulkiness of the fold spine. Unfortunately, the limitations of this OEM scoring tool does not allow for multiple settings.

Below are a mix of components that make up the scoring device most manufacturers incorporate, as standard, into their folding machines.

1 x scoring blade

Threaded blade holding collar

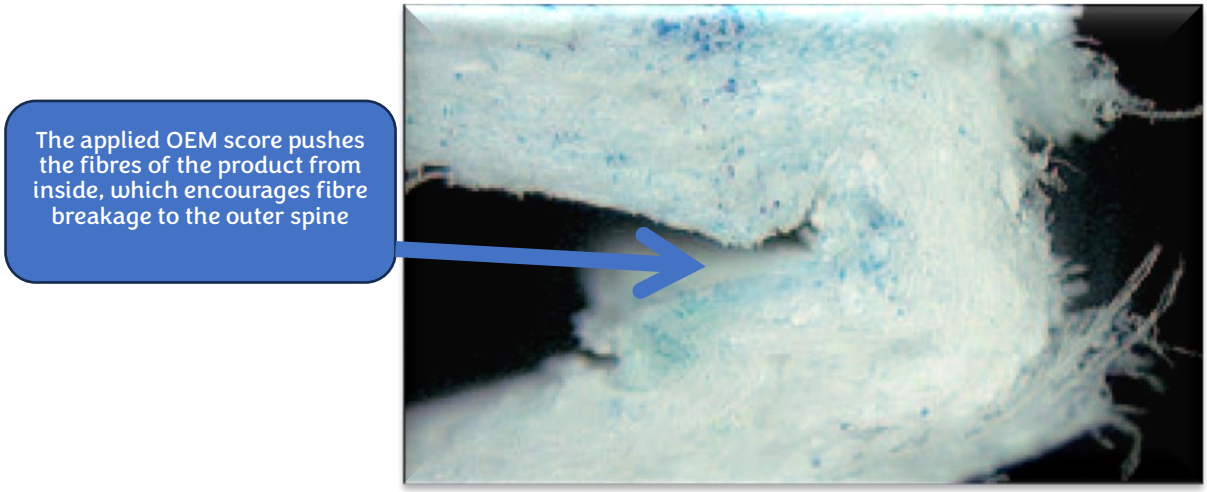


2 x female counter collars

# REASON NUMBER 4

## ✖ OEM scoring tools work on the inside of the fold which leaves the product vulnerable to fibre breakage on the outer spine

True Letterpress style creasing is applied to the outside area of the sheet to compress the fibres that will form the outer spine, unfortunately your OEM scoring tools work from the inside. This pushes the fibres in the wrong direction and encourages the breakage of fibres that are clearly visible on the outer spine.





It is important to stress that even if the OEM score was applied direct to the area that will form the spine, it would have little bearing to influence a good result for the reasons outlined in this document,

Go to [www.technifold.com](http://www.technifold.com) to learn how our Tri-Creaser technology solves the major problem of fibre cracking on folding machines, so your finished work is always delivered to the highest quality standards,