



Three revealing facts why your OEM scoring tools are **critically flawed**

and how our super upgrade **Section Score** devices will
instantly transform the quality of all your folded
products to a completely new level



Section Score

Scores 3 times deeper
than OEM supplied versions

Folding machine innovation has significantly evolved over the past 20 years to the point where operator skills have been largely replaced by computerised auto-set-up technology.

Sadly, your OEM scoring tools have not evolved and retain the same destructive elements ever since the first folding machines came into production in 1850.

This document was written to expose the original design flaws those steel scoring tools still inherit today, so you may understand why our Section Score solution is beginning to revolutionise the (scoring) process.

Here are those **THREE REVEALING FACTS...**

FACT NUMBER 1



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

The scoring blade held in the male collar is made of thin spring steel which is abrasive to many materials. If the 2 female counter collars below the blade are not precisely positioned at the correct distance away it will tear the front edge of the product or even cut through the whole sheet.



OEM scoring tool



Abrasive scoring blade



Front edge tearing is a common problem

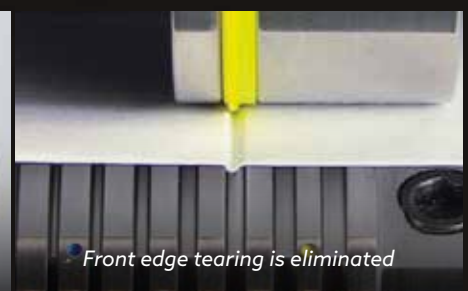


The Section Score eliminates the threat of front edge tearing

The Section Score benefits from having 4 nonabrasive, plastic scoring rings of differing heights and widths to suit the varying thicknesses of fed materials. The optimum score depths are always easily achieved and tearing issues will be eliminated.



4 colour-coded scoring rings of varying widths & heights



Front edge tearing is eliminated

FACT NUMBER 2



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

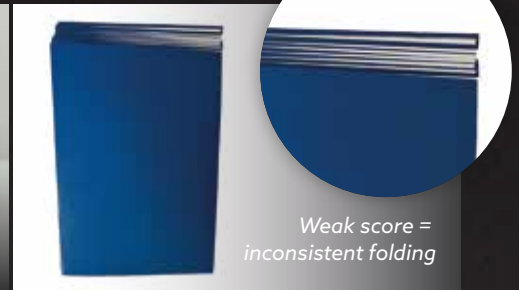
The radius of the outside edges of the female collars are acutely rounded, which can reduce the sharpness of the score impression. So, even the slightest of incremental adjustments can take away the threat of tearing yet leave the score ineffective in relation to aiding fold consistency.



OEM scoring tool



OEM weak V-Shaped score

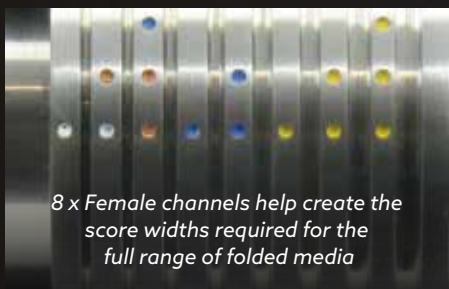


Weak score = inconsistent folding

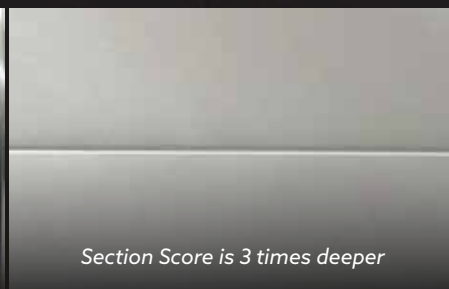


The Section Score applies a 3 times deeper score than the OEM version

The Section Score female component includes 8 pre-determined channel widths that accommodate the full range of material thicknesses that run through your folding machine, from 4 pages, through to 12-, 16-, 24- and 32-page signatures, and anything in between. The channel radius edges are only slightly polished to keep the score tight, not acutely rounded as with the OEM version. This also ensures that the score application is at least 3 times deeper which aids perfect fold consistency.



8 x Female channels help create the score widths required for the full range of folded media



Section Score is 3 times deeper



Folding is always 100% consistent with the score



8 sheets of paper scored using heavy yellow male/female colour-code match up



The Section Score is the only rotary device that produces a deep enough score to allow the products to fold perfectly by hand...



...this means that your folding machine's buckle plate or knife unit will always register 100% on the score to aid fold consistency.

FACT NUMBER 3



Setting the 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, scoring through 2 thicknesses of light paper requires a narrow score, whereas 8 thicknesses of medium 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.

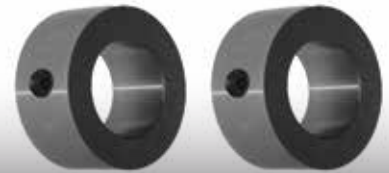
Below are a mix of components that make up the scoring device most manufacturers incorporate, as standard, into their folding machines.



1 x scoring blade



Threaded blade holding collar



2 x female counter collars

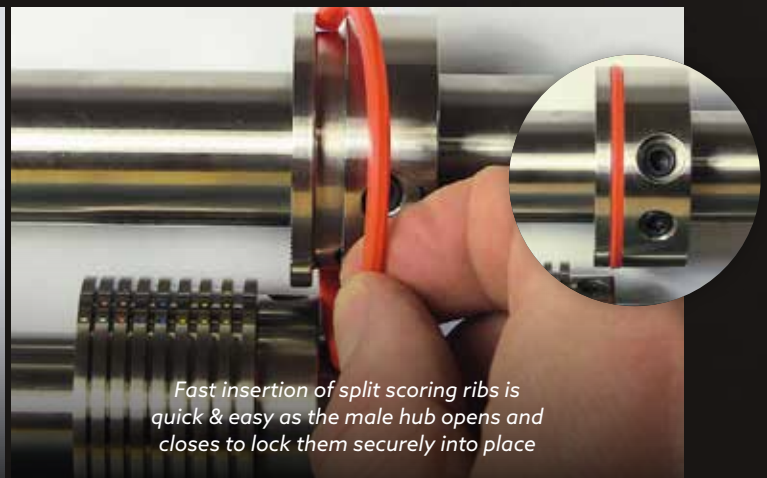


The Section Score requires zero operator skills to set up, the 8 score options have been built in so there is no guess work involved

The operator is only as good as the Section Score's capabilities to apply optimum score quality on all folded media, and that is good news, why? Firstly, it takes away any operator guess work, all the 8 score options have been pre-determined and built in by Tech-ni-Fold. Secondly, the male & female components are colour-coded so the correct engagement match with the male scoring ribs can be reached, for any folded product, within seconds. Thirdly, all the four scoring ribs are split to allow instant insertion into the male blade holding collar which easily opens whilst mounted on the tooling shaft.



Section Score components



Fast insertion of split scoring ribs is quick & easy as the male hub opens and closes to lock them securely into place



Talk to one of the team at Tech-ni-Fold

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