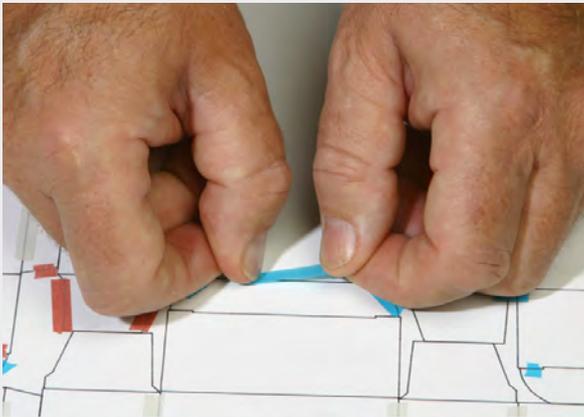


COMAT®

Self – leveling



- + **Significantly reduced patching time**
- + Reducing machine down time
- + Less patching during production
- + Less “Angel hair”
- + To be used for a wide range of material
- + Well marked creasing lines
- + Can be used with all old cutting dies (to be preferred to self-leveling knives which would have to be installed in all old dies to achieve this effect!)

COMAT creates high profitability and a significant return-on-investment. One time cost for an investment in a ready-to-use starter kit (3 pieces: compensating plate, set of mats and cutting plate) are neglectable in comparison with the enormous time saving and higher production capacity.

No matter which material to be cut and no matter which machine is in use. From solid board to B-flute: COMAT achieves best cutting results. Even laminated material is cut successfully.

You already run your diecutter with thin cutting plates? No problem as they still can be used. You don't use them? Now is your chance for change. With the new three-piece set you will obtain a new compensating plate which is 1mm less in thickness and prepared for using thin plates.

As yet

The knives cut **varyingly deep** into the board. These differences have to be levelled manually.



This is the moment you go mad about machine down time. No platen is perfectly flat and each die carries slightly different knives.

All these different measures had to be compensated manually by now to achieve better cutting results and faster runs. Sometimes, due to a lack of skills, patching is not done properly. This leads to a shorter lifetime of the die as well as a poorer quality of the packaging.



None of that! Now is the time for optimized and industrialized cutting techniques. At first cut of a new job the operator can adjust the cutting pressure up to 90% in the cutting area. Only the remaining 10% in the non-cutting area have to be patched accordingly.

The thin plates on top of the COMAT mats are to be replaced with any new job like you do now, too. Depending on how many jobs per day and in how many shifts the diecutting machine is operated it takes several months before you have to replace the worn out mats. Replacement is clean and easy and doesn't require specific skills.

In future

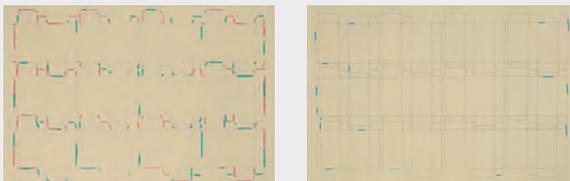
The first blanks that you cut show very even cuts which only have to be levelled marginally. With the use of the COMAT system almost 70% of the patching time and material are no longer required.



You just have to replace the compensating plate to be enabled to use this technology. No extra effort or costs. It also doesn't matter if you work with old or new dies as mentioned before and it also doesn't matter if you run solid board or flute material.

The advantages of the COMAT system apply for all different means and ways. Cutting dies can be used in different diecutters without too much effort in patching. With COMAT your diecutter is in production while others are still patching.

A new perception. Now, patching is done behind the back of the knives on the back of the chase backer plate. "Behind" means there is quite a gap from the back of the backer plate to the tip of the knives. The COMAT system has an immediate and straight impact on the cutting process while being right under the tip of the knives.

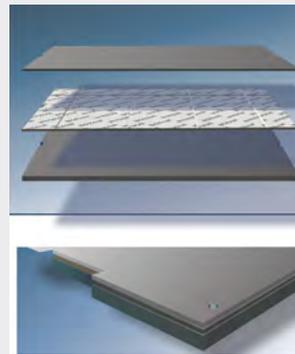


As another positive side effect we would like to mention that the cutting pressure can be reduced by averagely 20%.

A good way for an economical solution as even unexperienced personnel can achieve best cutting and creasing results, the packaging quality rises and even nicks can be reduced either in size or in number.

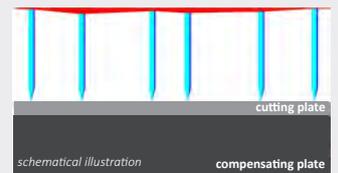
How to start?

No modifications have to be done on your diecutter!

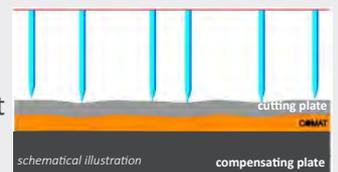


The cutting plate/compensating plate in use now just has to be replaced by a new one which is prepared for the use of the COMAT matts.

As mentioned, the first kit consists of a new compensating plate, a set of matts and one thin plate to be ready for production.



The number of matts in a set depends on the cutting size of your machine. The matts are compressible but dimensionally stable.



After the job is done the matts go back to the original status. They remain in the diecutter and are to be replaced only after a significantly sagging effect (three to six months).

