

Fusing / Lamination of leather stampings

Surely you have already looked into fusing and laminating of leather formats to give them special characteristics for processing or for improved efficiency.

There are good reasons for fusing leather stampings:

- for example, permanent two-dimensional bonds to foam, felt, fleece or weave materials,
- or to smooth the leather characteristics with the aim of improving the use of the material,
- or to apply a hot melt adhesive layer, which can be reactivated in a further process to achieve a firm bond, i.e. for the manufacture of steering wheels with leather covering,
- or to strengthen seams, particularly in areas with higher strain.

The methods used up to now have however always been problematic:

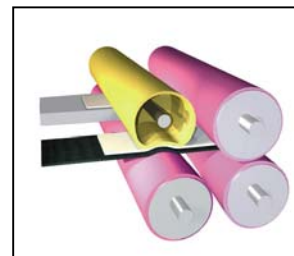
- for example adhesion differences due to natural irregularities in the leather,
- or flattening of leather surfaces due to specific pressure being too high when using plate presses or hard standard pressure systems in continuous working machines,
- or colour variations due to high temperatures on the leather surface,
- or due to complicated and non-environmentally friendly working with liquid adhesives.

Kannegiesser GTT has created new possibilities for leather fusing/laminating with the new MultiStar-DX range:

- The long arched heating zones enable us to achieve a careful build up of temperature in the material without overheating the surface.
- The variable order of the heating zones top / bottom allows us to determine the direction of the heating exactly and as is best for the material (= lower temperature on the leather side / higher temperature on the side of the product being applied).
- Our patented Flexo-Air Roller-Pressure System enables us to achieve a constant gentle pressure without the material damaging pressure points.
- The available widths of 1000, 1400 and 1600 mm make it possible to use the machine economically for various production areas and applications.
- For the productive integration into the working processes the machines can be equipped with feeding and stacking systems.
- The continuous working of the machine means that the process time can be reduced by 30 – 40% in comparison with Twin-Tray presses.



Heating Zone: bottom / top



Double Pressure System



Fusing-Production-Line