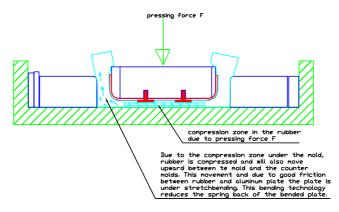
Thesis at TU Delft Aerodynamics New rubber press based on stretch bending.

Sideview without external force wooden nold with product Information aluminum plate to be deformed Rubber with hardness of 40 till 50 shore A with thickness between 10 to 20 mn non product related wooden counter molds and filling plates to adjust the position a little Bue to the rubber the counter nolds are not product related and will not raise production costs very much Steel mold to handle production forces. Not product related

with this stretch bending process deformation forces are lowered with a factor 50 compared to the standard rubber press. Also backspring is reduced with a factor 3. This for the same product defenition. Now middle and small businesses can use this forming technic. There is only one product with product information. The flexible rubber makes it possible that counter molds are not product related. Crimp— and stretch flanges with different radii were tested.

Sideview with external force F



Top view with external force

