

# Automotive

## Production lines for the the manufacturing of heat protection sheets in the passenger car under floor area

The line can be driven as a single press with up to 3 tool steps. If up to 6 forming steps for the part manufacturing will be needed both presses will be driven in automated linked mode.

The line consists of:

- 2 blank feeding places with 2 magazine palettes each
- Altogether 2 hydraulic presses with synchronisation control left/ right
- 2 centering stations
- On the back side of the press is 1 robot each press which runs on the length side of the press(2 robots totally) on the side of the material feeding.
- On the operator side of the line from a mutual linear axle for altogether 2 robots, which are able to serve both presses directly together in chain mode.
- For the unloading of the parts and the scrap disposal out of the production line altogether 4 transport belts are foreseen

