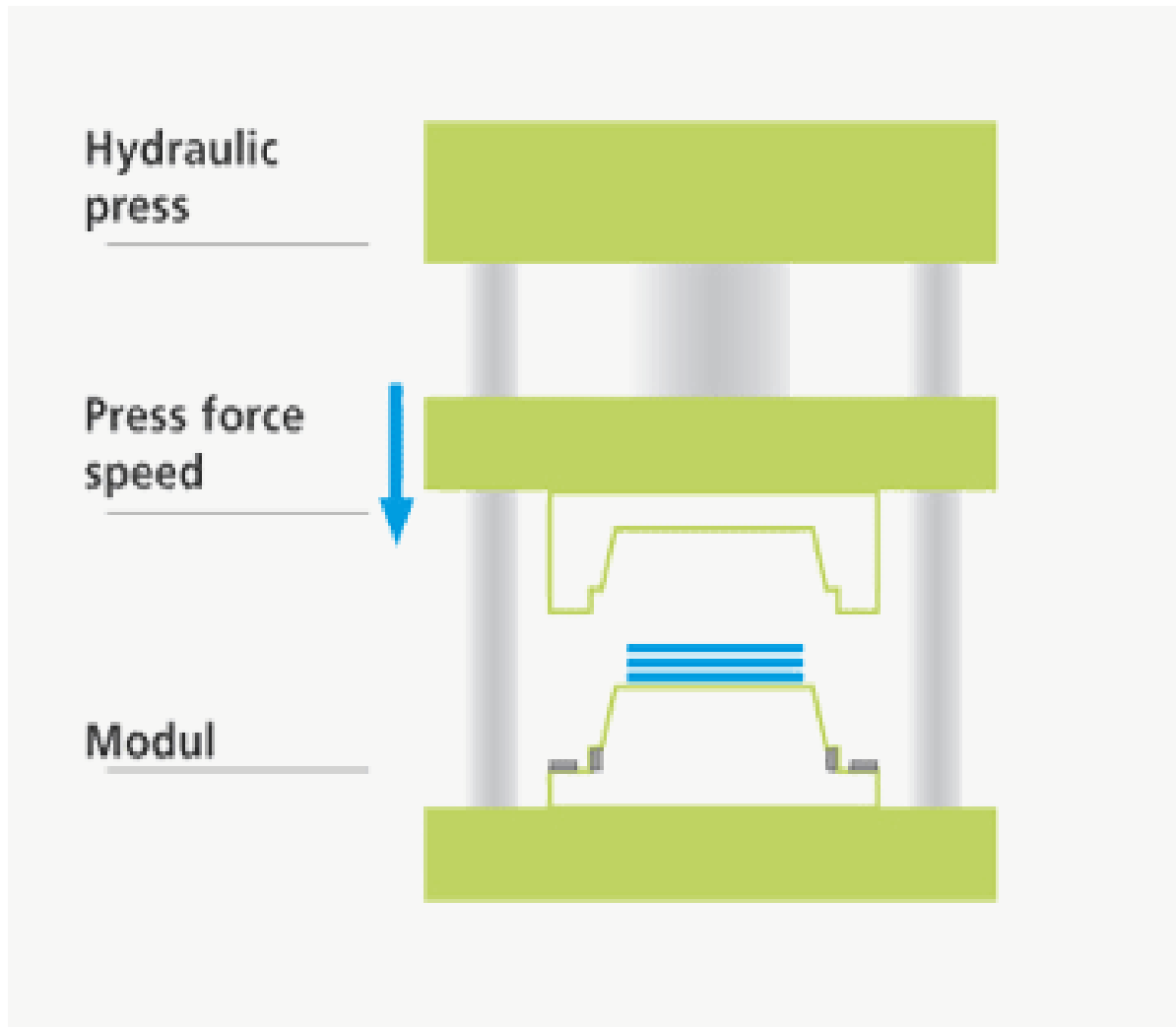
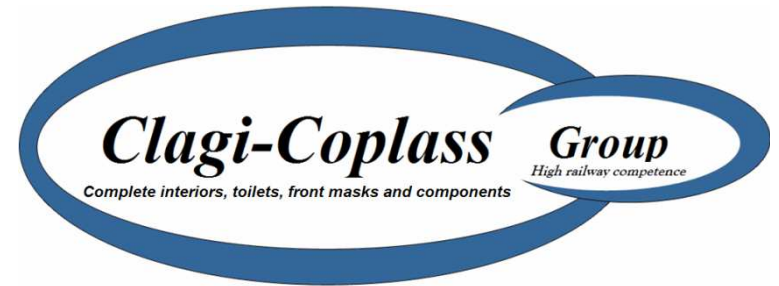




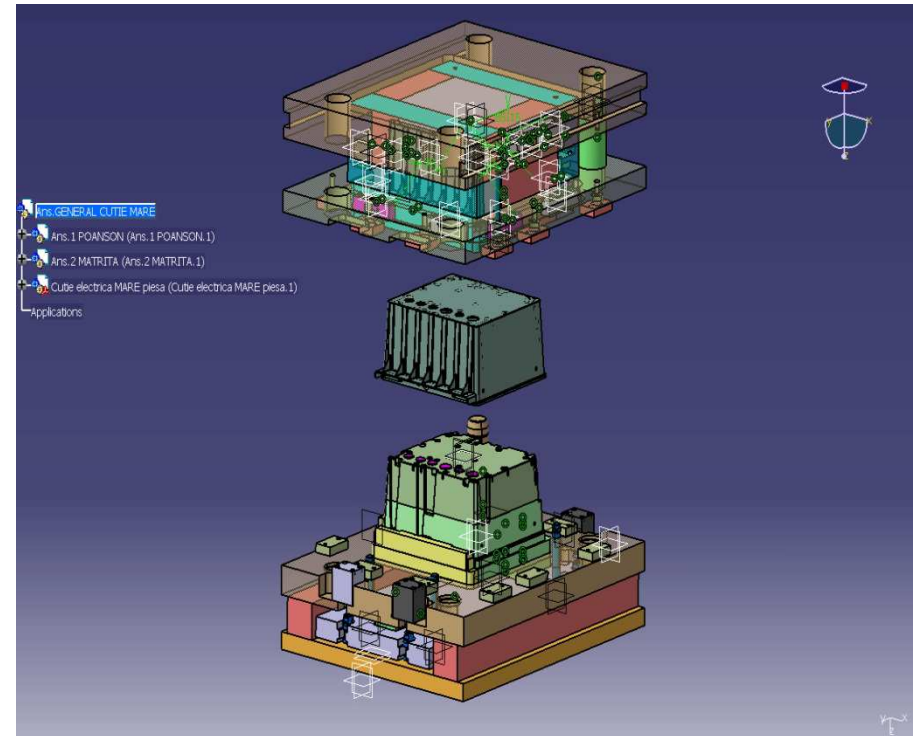
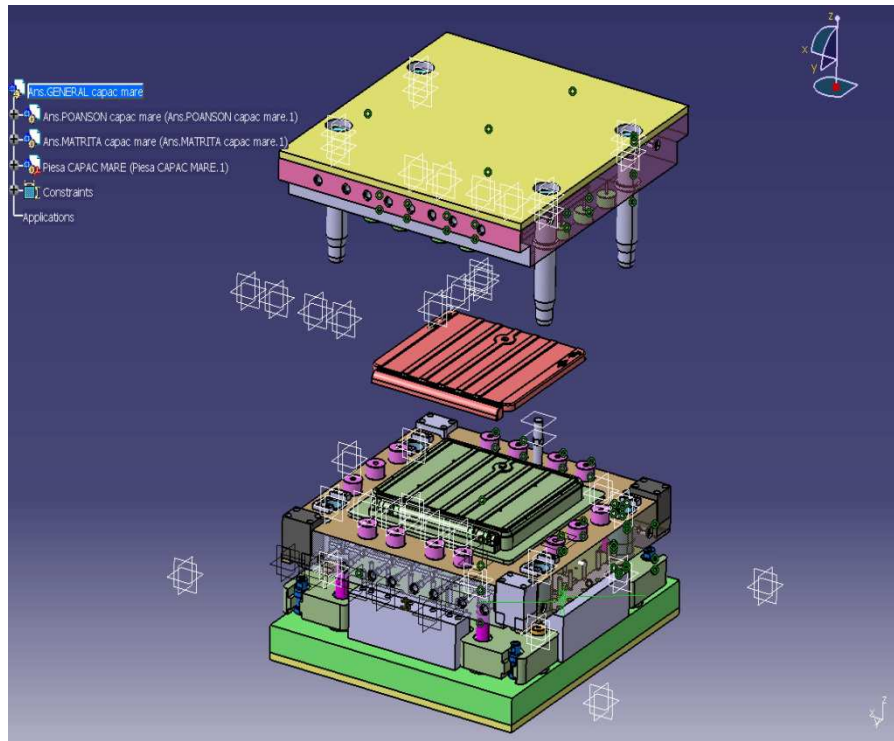
SMC Technology,
(**S** = sheet, **M** = moulding, **C** = compound)

Technical description

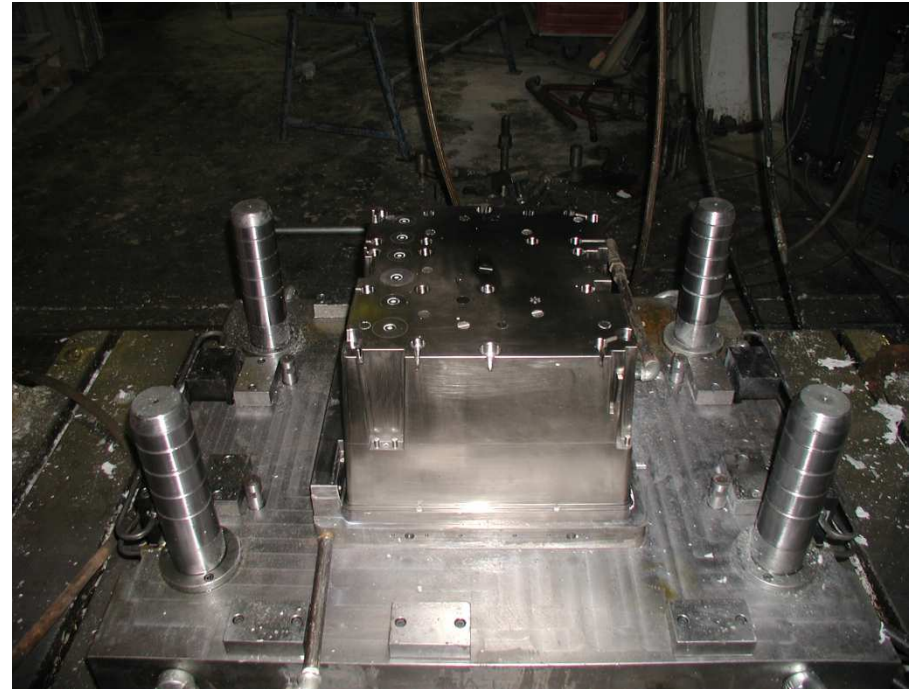
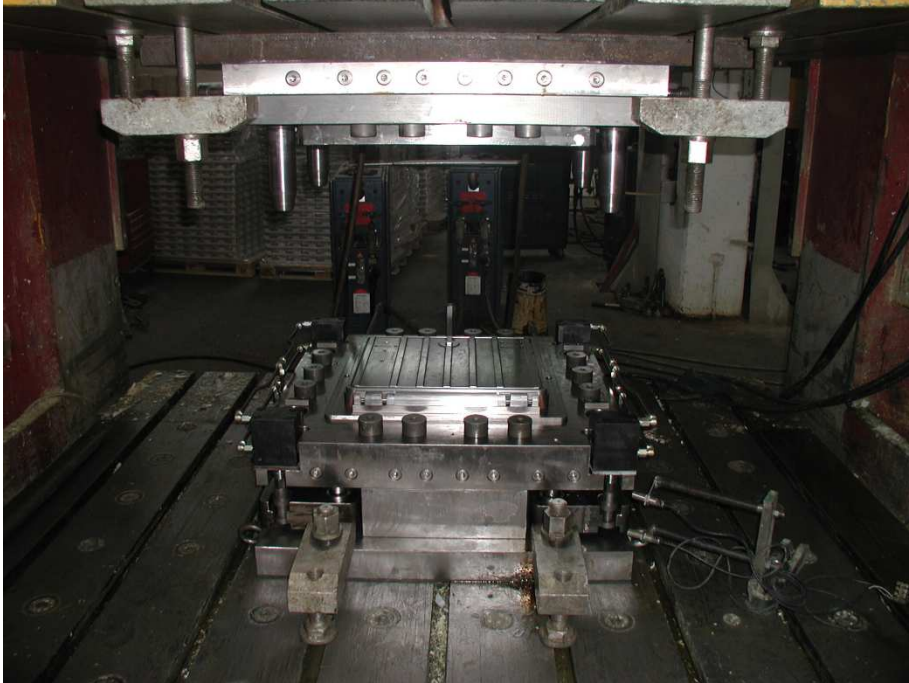


- In actuality, compression molding process is independent of the material type and is the most common choice for high-volume composite parts made from SMC.
- The high-pressure molding process produces high strength, complex parts in a wide variety of sizes. Matched metal molds are mounted in a hydraulic or mechanical molding press. The material charge of choice is placed by robotics or hand in the open mold, the heated mold halves are closed, and pressure up to 2,000psi is applied. Cycle time, depending on part size and thickness, ranges from one to five minutes. Features such as ribs, bosses, inserts and attachments can be molded in.
- Compression-molded composites are characterized by net size and shape, two excellent finished surfaces, and outstanding part-to-part repeatability. Trimming and finishing costs are minimal.

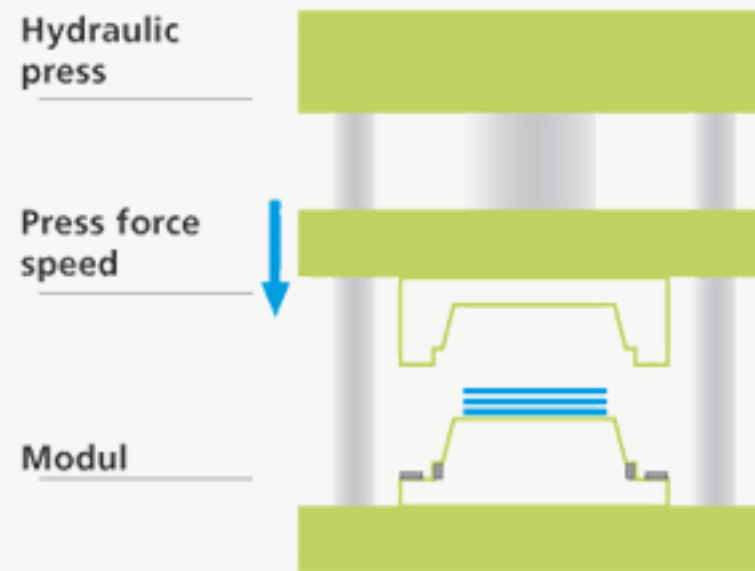
SMC Technology, mould design



SMC Technology, metallic moulds



SMC Technology, pressing process



SMC Technology, pressing machines



2000 Tf Press

Table press:

2500 mm/1800 mm

Maximum open:

1700 mm

Minimum open:

550 mm

1000 Tf Press

Table press:

2250 mm/1500 mm

Maximum open:

2000 mm

Minimum open:

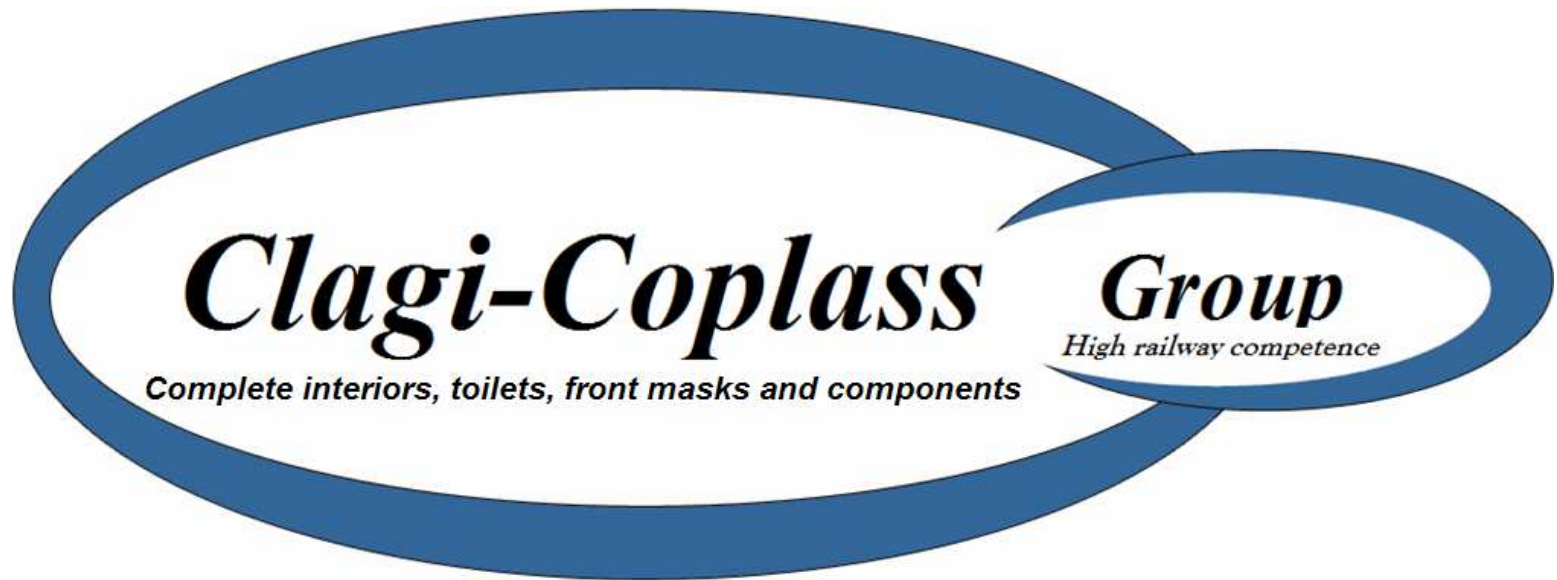
850 mm

2000 Tf – nr. 5 Press

1000 Tf – nr. 8 Press

SMC Technology, benefits of utilization SMC

- Long life (20 - 30 years)
- Very good mechanical resistance
- UV resistance
- IP (water and dust protection) 54 – 65
- Very good isolating
- Combustion resistance
- Multiple domain interests: constructions, electric, decorative, auto, naval, aero.



Thank you to partner Clagi-Coplass,
the best solution for your composite
products needs.