

The supply of the Coupling Carousel to a very important supplier to the car industry is a typical example GS&T successful flexibility in the approach to new, challenging projects in fields of application other than the traditional metal packaging one.

GS&T has totally designed and manufactured this new machine, according to the customer's specifications.

This equipment is composed of three turning stations supporting special dies for the thermal coupling of two parts of car floor inner panel. Each station stops in three different positions. The first one is for loading/unloading by the operator. The second one is the heat-up zone, powered by adjustable heating units by means of infrared source. In this phase the two materials are kept tight by a special vacuum system which has been designed integrated in the supports of the dies in order to bring the two materials to match perfectly.

The third zone is for cooling down the heated parts by means of water.

The working cycle is managed by a PLC complete with operator panel. In the danger zones, photoelectric safety barriers prevent any accident to the operator.

