

## Thermocompression machine for interiors

## CREA TC1713

Lightweight composite material **LWRT** (Light Weight Reinforced Thermoplastic) is a well-established option in automotive business. It is used as well for the **manufacturing of interior parts of Vans, Buses, Caravans, Motorhomes and RVs in general**, where lower production volumes require simpler and more flexible productive solutions.

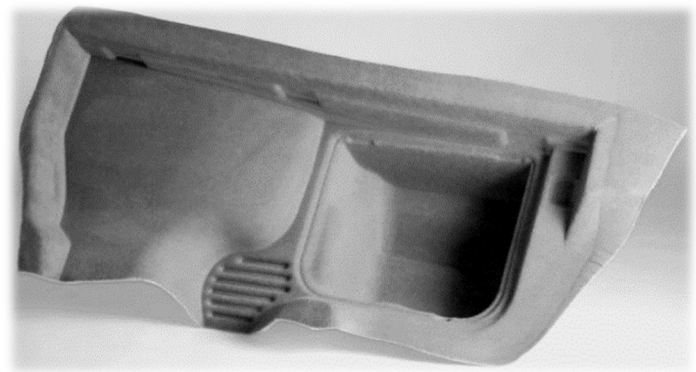
Cannon Ergos is able to provide a full range of equipment for the processing of LWRT aimed at the production of recreational/commercial vehicle interior parts.

- Roofliners
- Sunshades
- Interior/door panels
- Seat backs
- Load/luggage compartment floors and surfaces
- Fittings and trims

Our machine is composed of an **IR heating station** and **forming press** able to produce complex parts in a single working step. The possibility of applying a textile external layer (skin) for aesthetic purposes is given with the addition of a frame.



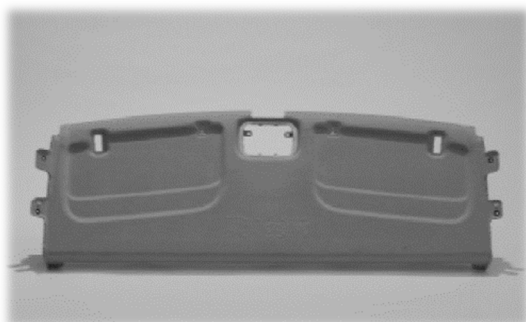
Caravan internal structure



Section of commercial vehicle floor in LWRT

### MAIN FEATURES:

- High stiffness/weight ratio
- Low pressure part molding (multiple parts)
- Taylor-made mechanical properties thanks to wall thickness variation along surface
- Creation of a first surface in just one working step



LWRT headliner for RV cabin



### TYPICAL MACHINE SPECIFICATIONS

Platen dimensions:	1750 x 1300 mm
Clamping force:	60 tons
Heating banks:	Upper and lower
Heating elements:	Ceramic
Heat modulation:	6 zones x panel

### PRODUCTION SEQUENCE:

1. Manual loading of the composite material
2. Automatic transfer to the heating module
3. Heating of the composite
4. Automatic transfer back into the forming area
5. Unloading of the material from the tray into the press
6. Upper tool lowering and forming of the piece
7. Press opening and manual piece unloading

### OTHER TECH FEATURES:

- Hydraulic double cylinder forming press
- Automatic tray for piece transfer to and from the heating station
- Fixed frame for automatic application of the skin (optional)
- Air cooling system for the part
- Compact design and reduced footprint
- Possibility of upgrading to fully automated continuous process