

The TORRESWELDING is a world's unique piece of equipment. It has been developed aiming to the substitution, at certain aircraft fuselage sections, of the traditional riveting process to join the stringers to the skins. This joint is made by means of a unique laser welding process.



## TORRESWELDING

The TORRESWELDING includes two high power laser resonators, which laser beams are brought to the machine welding head separately, so that the stringer is actually welded to the skin using both laser beams, one at each side of the stringer, simultaneously.

The system provides significant productivity advantages in terms of manufacturing speed as well as overall panel weight reduction of about 15% vs the traditional riveting process.

The machine is capable of working on both single and double curvature panels.

