



System Solutions

## TSS Spindle

Setting System for Sandwich Structures

# TSS Spindle

- + **Model TSS Spindle** as a robotic integrated system or fixed position assembly cell for joining lightweight materials

## Features

- + The installation of plastic bosses in lightweight materials is possible with or without pre-hole
- + Individually adjustable process parameters
- + Feasibility study and check of completed joints at the WEBER laboratory
- + High resolution process results
- + For tasks with accessibility from one side only
- + Higher transmissible torque and pull out forces than with existing (familiar) joining components

## Applications

- + System for installing plastic bosses with a thermal adhesive bond for firm joints in lightweight materials
- + For use with:
  - Laminar structures (sandwich panels or honeycombs)
  - Fibre composites (carbon or glass)
  - Particle composite material

## Technical data

TSS	
System dimensions [mm] (H x D x W)	630 x 185 x 165
Weight [kg]	approx. 13
EC - power drive [rpm]	up to 5,000
Max. pressure spindle [N]	1.400
Cycle time (without cooling) [s]	from 3

