

## 1. Area of Application

- Automated aircraft panel positioning and fuselage splicing

## 2. Operation

1. Flexible loading of panel to be spliced
2. Laser measurement of workpiece 'actual' position
3. NC-controlled positioning correction in the splice position
4. Semi-automatic drilling and tacking of the longitudinal splice (automated final rivet process in next assembly cell)
5. Cycle-out transfer of tacked sections

## 3. Technical Data

- Barrel diameter: variable
- Section length: variable
- Panel distribution: 4 ea standard, 6 ea optional
- Contours: cylindrical / sphere
- Panel positioning accuracy: < 0.2 mm
- Repeatability: < 0.1 mm
- Positioner accuracy (individual axes): < 0.05 mm
- Positioner accuracy (individual axes): < 0.03 mm

# FLEXIBLE SECTION ASSEMBLY



#### 4. Special Features

- Transport vehicle for flexible, lower panel receiving as well as cycle-out of sections
- Flexible positioner for side panel receipt
- Flexible upper panel positioner
- Laser measurement system
- CNC-C-control
- Options
  - Flexible floor panel positioned

## FLEXIBLE SECTION ASSEMBLY

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