

Flexible Measuring Appliance Sandwich plate style

News

Modular height adjustable columns

Until now conventional sandwich plates have only been used as a rigid base for defined grids and supports for columns. The new Witte F-SWPL offers more flexibility and integrates more functionality and easy handling.

In a predefined grid these sandwich plates are equipped with integrated columns. The quantity and position of the columns is freely selectable and integration can be carried out at a later date if necessary.

To mount a work piece the power assisted columns raise up out of the plate when the lock is released. They are set at desired height using a scale.

The column tops are equipped with quick change couplings, which enable quick, easy changeover of component specific adapters.

As all columns can also permanently store in the sandwich plate no time consuming transport or assembly is required.

The change over from one work piece to another is limited to exchanging the compact adapters.

Apart from substantial time savings further advantage is the small amount of space required for the adapters themselves.

A rail all round the sandwich plate enables mounting of mobile measuring arms.

The plates can be used horizontally or vertically.



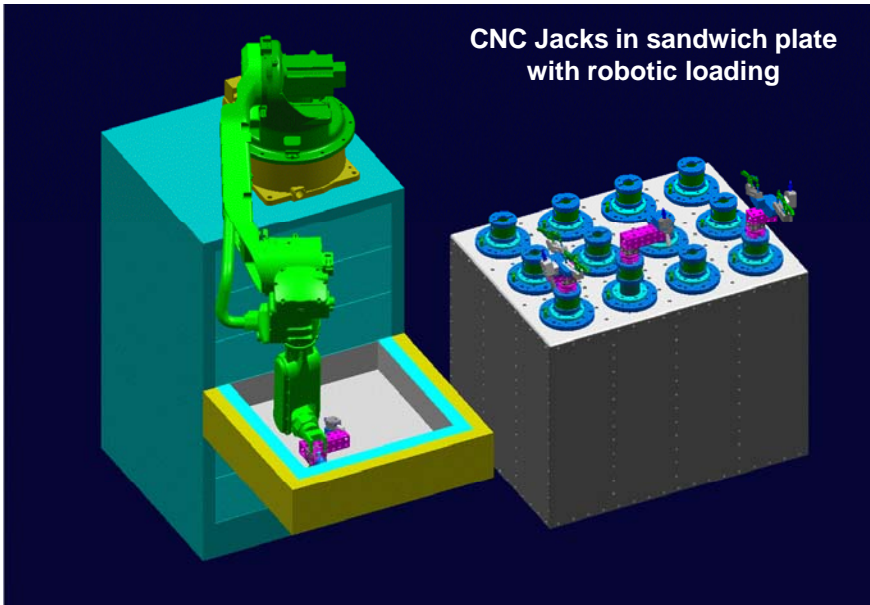
Power assisted columns
set to height



Blanks occupy areas where
no columns are required



Fixed on precision



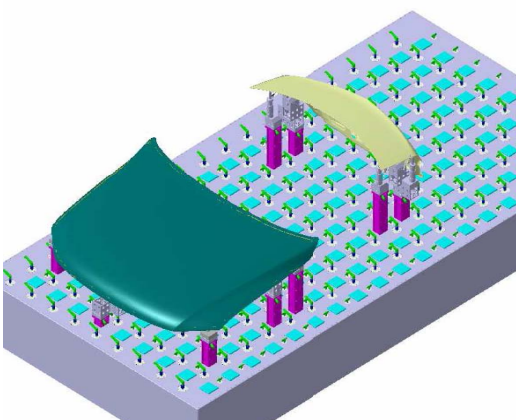
**CNC Jacks in sandwich plate
with robotic loading**

Possible system configurations

- Vertical or horizontal versions available
- For vertical plates columns can be used on either left or right sides
- Vertical design with columns on both sides (grid disalignment at least 1 grid hole)
- Manual, motor driven or CNC controlled column operation, motor or pneumatic quick change couplings
- Optional configuration with robot
- Optional integration of storage systems or shuttles
- Guide rail all round enables mounting of mobile measuring arm, laser or photogrammetry equipment

Advantages

- High flexibility, integration, modularity
- Quick changeover of adapters when working with many different workpieces
- Reduced storage space required
- Economical and time saving through small number of components as well as CNC - operation



Sandwich plates available in dimensions up to 2.500 x10.000mm, with or without hovercraft, integrated air tanks, remote control etc.

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