

CNCell

With this multifunctional cell we can assemble a plant using a modular system – with the advantages of a custom-made design but the price of a standard solution.

A large variety of available dimensions, production processes, component handling, material flow and machine controllers allow us to prepare a solution which precisely meets your demands – and all this at a price which is far below that of a customised individual solution.

Typical production processes:

- Dispensing, sealing, potting, filling
- Pick & Place
- Screw Connecting
- Vision system
- Inspection processes
- Assembly
- Labelling
- Scanning



Dispenser



Needle control



Screwdriver



Gripper



Vision system



Multifunctional cell: CNCell

Advantages:

- Individual adapted plant, at a standard solution price
- Short delivery time
- High quality and stability
- Fast adaption to altered processes
- High investment guarantee thanks to the possibility of a modular enlargement
- Planning reliability
- Global process standardisation
- Can be combined with any material preparation or material supply machine

Function CNCell:

Based on the plug & work principle, the new CNCell from Scheugenpflug can be customised and put into operation as soon as the modules have been chosen. By a consequent standardisation of the modules the facility can be offered with an unbeatable cost / performance ratio and is nevertheless adaptable in its functions, dimensions and applications to individual demands. The CNCell can be equipped with all Scheugenpflug components respectively can be integrated into existing production lines.

Modular System:

A) Machine portal

- Light curtain
- Door single leaf
- Folding door
- Lift gate manual / automatic

B) Work piece carrier

- Pallet table
- Rotary table manual / automatic
- Drawer system single / double
- In-line twin-belt system

C) Processes

- Different metering systems
- Scales
- Needle parking system
- Needle control
- Heater
- Resin supply
- Label applicator
- Screwing module
- Leakage-Test
- Gripper
- Plasma generator ... and much more

Controller:

A CNC Controller, which allows three dimensional movements (XYZ-direction) for user-defined curves is available. The pre defined interfaces allow a connection of multiple cells for data transfer as well as for the communication with a host pc.

Available controller:

- IPC with UVIS/UPIC

Variants:

With different material preparation and feeding systems the CNCCell is available as a stand-alone unit but can also easily be enlarged to a whole production line.



CNCCell In-line



CNCCell A310



CNCCell A280



CNCCell A220



CNCCell Dimensions:

- 1000 x 800 mm
- 1000 x 1000 mm
- 1200 x 1000 mm
- 1200 x 1200 mm
- 1400 x 1200 mm

