PC-DesQ

HECHT
Electronic AG

Easy and **precise**
measurement.

The measuring table PC-DesQ is suitable for exact manual measurements of drilling holes and external dimensions. Thanks to the easy and user-friendly operator guidance with a touch screen and measurement software, the measurement of furniture parts and various individual components can be done quickly and precisely. The programs deliver comprehensible and reproducible results, as well as complete documentation for further analysis. The operator is guided through the measuring process to ensure that all points are measured.

Range of use

The table is designed to measure board type samples in the furniture industry, sheets or individual components in the plastic, metal or glass industry. The measuring table is dirt resistant and can be placed next to the production lines.

Function

- Measurement of all geometrical data like length, width, angle, parallelism, X- and Y-coordinates of holes, relative distance between two coordinates, grooves, horizontal drillings, relative depth and diameter of holes and grooves
- Planned and actual values are compared, deviations are highlighted red in the protocol
- Turret head with 6 measuring adapters for the measurement of drilling-hole coordinates and depth with special adapter for dowel holes on the face
- The values can be stored on the PC or network server and can then be released as protocols
- Fast set-up for the drilling machine due to measuring protocol for the operator

Optional

- Measuring programs can be opened via bar code
- Measurements are also possible without measuring program, only actual data are saved
- Reverse Engineering: Creation of a dxf drawing trough tracing the dimension points

TECHNICAL DATA

- Touch-Screen-Monitor
- Resolution: +/- 0.01 mm
- Tolerance: +/- 0.1 mm
- Vacuum suction system with 6 suckers
- Z–axis for relative depth measurement
- Standard measuring size: 2,500 × 1,000 mm
- Part thickness: up to 60 mm

1 Data import out of 2D drawings (.dxf files)

The data are imported from a drawing, which helps to create easily measuring programs. Measuring points can be deleted or added. Tolerances are set on a standard, but can be changed individually. The measuring program can be opened with a barcode scanner from the network or by entering a number.
The creation of measuring programs is done on an extra computer in the office.

2 Opto-DesQ V*max* data import Interface for

- Machine data
  (Homag, Weeke, IMA, Biesse, MAW Data)
- 3D drawings
  (Solidworks, Autodesk Inventor, 3E)

The data are uploaded with a post processor and can be changed.

3 Data return system

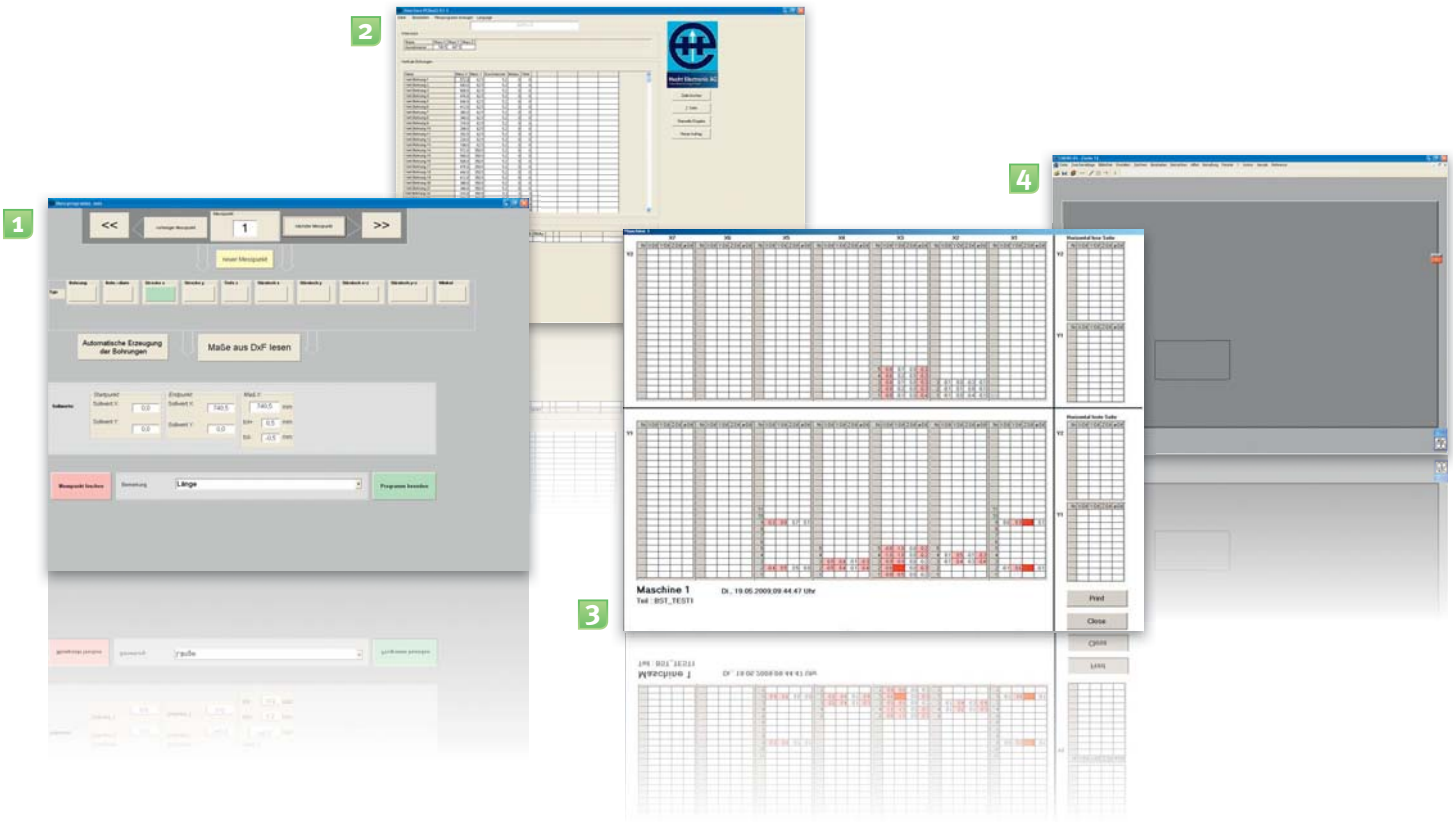
Information for display of spindles data at Hecht Measuring table are the set up data of the machine read in for the measuring program generation is the measuring table able to display after measurement the deviations for each tool.

4 Reverse Engineering

Creation of a dxf drawing trough tracing the dimension points. For first sample and for transfer to a CNC machine.

SOFTWARE CHANGES

Customer specific changes of the measuring protocols, entering of machine data or employer number and much more can be adjusted individually. Make use of our experience as market leader.



HECHT Electronic AG

Hecht Electronic AG
Heinrich-Hertz-Straße 3–5 | D-74354 Besigheim / Ottmarsheim
T +49 (0) 7143.8159-0 | F +49 (0) 7143.8159-25
info@hecht-electronic.de | www.hecht-electronic.de