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LENZ
Precision to move

IWS 610 2+2

Independent Work Station - Drilling Machine

PRODUCTRONICA DEBUT

PRECISION FOR YOUR PRODUCTION

The IWS 610 2+2 two independent work stations allow for individual compensation of each work station. Each station has its own CCD camera system. This provides station specific compensation values and ensures every single PCB has the best alignment possible.

The IWS is equipped with spindle-switch-over technology to achieve the highest flexibility. One high-speed air bearing drilling spindle and one high torque drill/rout spindle is mounted on each work station.

AUTOMATIC LOADING/UNLOAD

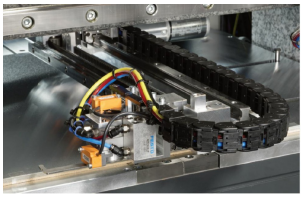
The IWS 610 2+2 has an automated, space-efficient loading and unloading system which is attached to the rear of the machine. The system, with 20 shelves per work station, accepts stacks of different formats thereby eliminating the need for manual conversion. This makes both prototyping and serial

TOOL CHANGE BELT

An anti-vibration belt and self sufficient mounting ensures the safe handling of the machine's tools. The belt holds over 5300 tools. Refilling of the tools can be carried out during production runs, thereby reducing downtime. The refilling station is ergonomically posited underneath the user interface.

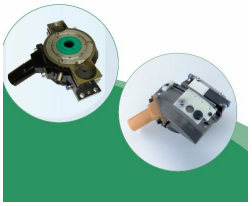
production both more efficient and less error prone.

TELESCOPIC LOADING SYSTEM



The telescopic loading system transports stacks in a precise and reliable way. By mounting the system underneath the crossbar, all slots in the machine table could be eliminated. The resulting evenness of the surface further increases Z axis precision.

PRESSURE FOOT TECHNOLOGY



The IWS 610 2+2 features a redesigned pressure foot, optimized for depth routing processes. The micro drilling pressure foot, which LENZ, as the first European machine manufacture, introduced in 2005, continues to be the market standard.

DEPTH CONTROL DRILLING AND ROUTING

Great emphasis was placed on depth controlled-drilling and routing which are applications of increasing importance. A second measuring system integrated at the pressure foot and a new 3D software package (SLM) have made contact depth-controlled drilling and routing even more versatile than ever. Blind via drilling, back drilling, cavity routing, copper following and other Z-axis machining can be performed easily and accurately.

CCD CAMERA SYSTEM

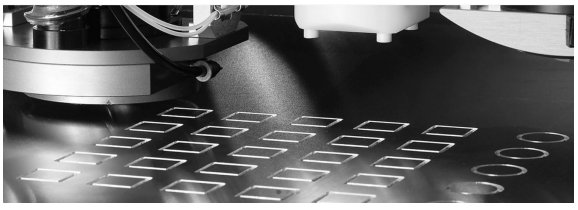
To meet the current and future high accuracy standards, the IWS 610 2+2 is equipped with one CCD camera system per work station. The system measures the positions of holes and fiducials on the outer layer which allows the CNC to move, rotate and scale the program accordingly. For multi- layer processing, inner layer detection is available. The measurement values of each individual layer can be exported to a file.

SIEB & MYER CNC 84.00

The IWS 610 2+2 uses a Sieb & Meyer state-of-the-art controller. The CNC 84.00 features fully digitized servo amplifiers and seamless integration with existing IP-based networks. A graphical representation of programs allows the user to perform dry-runs and thereby eliminate errors at an early stage. Using the proprietary “pattern selection” functionality, individual step + repeats can be executed, thus minimizing production and setup costs.

REQUEST MORE INFORMATION

REQUEST A QUOTE



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