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PLURITEC MULTISTATIONS Autoloaders.

We have several Pluritec Multistation drilling machines in stock for immediate delivery. They are under power / refurbishment in our stock right now, and you are invited to inspect them.



The machines are supplied with warranty and we can offer full installation, adjustment and on-site training anywhere on the globe, if desired.

The machines features Digital Z-axis (Haidenhain glass-scales on the Z-axis) for blind-via drilling as well as the optional keyboard for each module. Also included on all modules are BBD (Broken Bit Detection), 360 Tool-Drums, WW-D1201 110Krpm, Upgraded software, Laser measuring system as well as 2 Trolleys per module (each storing 16 stacks).

The modules can be supplied as 'stand-alone modules' or as complete lines from up to 6 modules sharing the common Sieb+Meyer control system. The machines can also be delivered as "Add-on's" to existing Drill-lines with less than 6 modules. Finally we can supply them as stand alone modules with Sieb+Meyer Monitor and keyboard.

The machines have been used mainly for prototype production, hence the autoloading facility is virtually like brand new, and the machines have only been used for a total of 7 years, and are in extraordinary good shape with a limited number of service-hours, (i.e. between 6500 and 8500 hours total!) at a very interesting price.

Please call for further informations and/or invitation to inspect the machines.

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Very best regards,

Kim Madsen, MD
Micronix PCB Equipment ApS,
Mape CNC Machines,
Mape UK Ltd.

TECHNICAL SPECIFICATIONS

MACHINE:

X-axis transversal run:	707mm
Y-axis longitudinal run: 765mm	
Z-axis vertical run:	24mm
Panel size:	530x765mm
Drilling area:	530x700mm
X-Y-Z axes position speed:	25M/min
X-Y axes acceleration:	5m/sec ²
Z-axis acceleration:	20m/sec ²
Position accuracy:	0.005mm
Repeatability accuracy:	0.004mm
Linear scales resolution:	0.001mm
Drilling accuracy:	0.018mm +/-
Tooling type:	Slide bar and automatic pin clamping

PLURITEC MULTISTATION.

AXES MOVEMENT:

Axes movement:	Servomotors and lead screws.
Sliding system:	Air-bearing pads and air sleeves.

LOADING & UNLOADING:

No of stacks per trolley:	16.
Full load/unload cycle time:	30 sec.

DRILLING UNIT:

Air bearing spindle:	WW1201-110.000rpm (Drilling&light routing *) Can be supplied with other spindles on request, i.e. 125K drilling spindles or dedicated routing spindles.
Tool status indicator:	Infrared Broken Bit Detector (BBD) in clampfoot.
Drilling diameter:	Ø0.10mm to Ø6.35mm
Collet diameter:	Ø3.175mm (1/8").

TOOL CHANGE:

Tool management system:	360 tool in drum-type magazine, collarless tools.
Tool change time:	16sec + 4sec for laser check.
Laser station:	For tool length, diameter and dynamic run-out check.

CNC:

On-board in each station:	Sieb+Meyer CNC-4400, battery back-up, 1MB memory.
Master CNC (Front end):	Sieb+Meyer CNC-5600 (one for each 32 stations).

GENERAL:

Power input:	3x380-400Vac 50Hz 4,5kVa for first module and 1,8kVa for each following station.
Vacuum requirement:	>800mmH ₂ O. Flow rate 50 m ³ per hour.
Compressed air:	7 bar @ 450NL/minute (16cfm).
Noise level:	<75dB.
Weight:	1800kgs per station approx.
Overall dimensions:	First station: 1800W x 3000D x 2360H mm. Following stations: 1250W x 3000D x 2360H mm.

Options INCLUDED:

Digital z-axis for blind vias depth controlled drilling.
Additional keyboard for each station.
Additional trolley (2 sets) per station.