

TECHNICAL DATA	
ViaSampling System	
System precision	Better than $\pm 20 \mu\text{m}$ at 20°C / 68°F $\pm 3^\circ\text{C}$ / 5.4°F
<i>Routing table</i>	
Width	600 mm / 23.6"
Depth	575 mm / 22.6"
<i>Board capacity</i>	
Max.	635 x 635 mm / 25 x 25"
Min.*	80 x 80 mm / 3.1 x 3.1"
Thickness*	0.5-6 mm / 0.0197"-0.2755"
*Smaller formats may require support and/or lamination	
<i>Routing tool</i>	
Type	Up-cut chipbreaker with fishtail
Size	$\varnothing 1.96$ / $\varnothing 1.97$ / $\varnothing 1.98$ mm / 0.0771" / 0.0775" / 0.0779" +5 μm / -0 μm
Shaft diameter	$\varnothing 3.175$ mm / 0.125"
Speed	16,000 rpm.
<i>PC platform, Software and controls</i>	
Dedicated PC	Industrial PC (delivered with the ViaSampling System)
Software	Microsoft® Windows® Embedded Standard
Controls	Touchscreen and/or mouse
Display	15" Touchscreen
Options	Struers Remote Service
<i>Supply</i>	
Voltage /frequency	200-240V / 50-60Hz
Power inlet	1-phase (N+L+PE) or 2-phase (L1+L2+PE) The electrical installation must comply with "Installation Category II"
Power, nominal load	180 W (excl. PC)
Power, idle	28 W (excl. PC)
Current, nominal	0.9 A (excl. PC)
Current, maximum	1.3 A (excl. PC)
Power outlet	Switched 200-240V / 50-60Hz (Same as input) Max. 4A
Air extraction	$\varnothing 32$ mm / 1 1/4"
Air extraction, min airflow	130 m ³ / 4591 ft ³ per hour
<i>Noise levels</i>	
Routing 1.6 mm / 0.06" PCB, at distance 1.0 m / 39.4" from machine with vacuum	81 dB (A)
<i>Working environment</i>	
Temperature	5-40° C / 41-104° F. Must be calibrated at a temperature close to daily use temperature. Max. difference $\pm 3^\circ\text{C}$ / 5.4°F
Humidity	0-95% RH
<i>Dimensions and weight</i>	
Width (\pm monitor)	600 / 882 mm / 23.6/34.7"
Depth	750 mm / 29.5"
Height	710 mm / 28"
Weight	136 kg / 300 lbs

Struers' equipment is in conformity with the provisions of the applicable International Directives and their appurtenant Standards.
(Please contact your local supplier for details).

SPECIFICATIONS no.	Cat.
ViaSampler Routing station for extraction of PCB test coupons. Industrial PC with video capture card and 3 router-cutters included.	05716127
Router-Cutter Router-cutter tool for ViaSampler, 1.98 mm dia. Router-cutter tool for ViaSampler, 1.96 mm dia. Router-cutter tool for ViaSampler, 1.97 mm dia.	40300077 40300078 40300079
ViaKit Toolkit for preparation of PCB coupons, complete with pin inserter (05726901), specimen holder (05726903), mounting rings (40300055), end caps (40300056), positioning pins (40300057), silicone oil (40300076), and cleaning tool (40300075)	05726101
ViaKit Basic Toolkit for preparation of PCB coupons, complete with ViaHolder Single Sample specimen holder (05726905), Pin inserter (05726901), Mounting rings (40300055), End caps (40300056), Positioning pins (40300057), Silicone oil (40300076), and Cleaning tool (40300075).	05726103
ViaInserter For insertion of two positioning pins in up to 6 coupons	05726901
ViaHolder Adjustable precision specimen holder with diamond stops. For up to 6 x 6 PCB coupons.	05726903
ViaHolder Single Sample Adjustable precision specimen holder with diamond stops. For up to 6 coupons in a single mount.	05726905
ViaKit Mounting Rings Stainless steel precision mould with non-stick lining. For use with ViaKit End Caps (40300056). 6 pcs.	40300055
ViaKit End Cap End caps for use ViaKit Mounting Rings (40300055). 250 pcs.	40300056
ViaKit Positioning Pins Positioning pins, 1.98 mm dia., length 43 mm. 500 pcs.	40300057
ViaKit Cleaning Tool Cleaning tool for ViaKit Mounting Rings (40300055)	40300075
Silicone oil Silicone release agent	40300076



High precision Router-cutter for ViaSampler