Maintenance protocol

Vacuum fixture



SERVICE PROTOCOL FOR ATX VACUUM FIXTURES

Please note that this protocol is only an aid to fixture maintenance, which should only be carried our by specialised personnel with the appropriate knowledge. Any guarantee or warranty claims will be invalidated if maintenance work is carried out incorrectly or not by ATX employees.

We are happy to offer you customised training on fixture maintenance.

Customer:			Contact person:			
Service employee: Maintenance after: strokes			Fixture identification: Date:			
1. The 1	ollowing components must be checked a	d if necessary:	o.k	n.o.k		
1.1	Check spring contact pins for damage and dirt					
1.2	Spring contact pins must be centred in relation to the hole in the moving plate					
1.3	Check the diameter of the guide pins and check whether they are bent					
1.4	The guide pins must be firmly seated					
1.5	The moving plate must not have any play in the guides					
1.6	Check hinges/ joints/ screw connections for tight fit					
1.7	Check circuit board supports for presence, height and damage					
1.8	Check counterpressure springs in the vacuum chamber for tight fit and breakage					
1.9	Check seal for mechanical wear and tightness - clean if necessary (not with alcohol) - Is a replacement seal available?					
1.10	Check fixture frame seal for mechanical wear and tightness					
1.11	Check the fixture interface on the contact side for cleanliness and wear					
1.12	Check the fixture interface in the adapter for damage and foreign objects					
1.13	Check the bearing of the interface on the tester for excessive play					
1.14	Check needle head moulds and forces for correctness					
1.15	Check the spacer plates in the vacuum chamber for "presence"					
2. Additionally check fixtures with hold-down systems, vacuum bonnets and double-sided adaptations:				o.k	n.o.k	
2.1	Check the sealing cord in the vacuum	bonnet for mechanic	al wear and tightness			
2.2	Check hold-down finger for tight fit, de	formation and height	t			
2.3	Check gas spring for tightness and hol	ding force/locking de	evice on ball head present			21
2.4	Check hinge for tight fit and function					ion 20
2.5	Check the transfer interface for contact reliability and damage					Versi
2.6	Check guide bolts and guide bushes of	f the top contact for f	reedom from play			bH West
3. Additionally check fixtures with open test:				o.k	n.o.k	© ATX Hardware GmbH West Version 2021
3.1	Check probes for mobility, position and	d damage (insulating	layer present?)			√ Hard
3.2	Check the transfer interface for contac	t reliability and dama	ge			© AT

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4. In tl	ne case of bi-level fixtures, check additionally:	o.k	n.o.k
4.1	Check the ease of movement of the grille		
4.2	Check that the spacers are present and firmly seated		
4.3	Check that the eccentric and the drive pin are firmly seated		
4.4	Observe the needle lengths when replacing the needles		
4.5	Check the driver slot on the grid for wear		
5. Add	litionally check fixtures with pneumatic components:	o.k	n.o.k
5.1	Function/tightness of the system		
5.2	Check wear of the drives		
5.3	Check positioning (start-up units)		
6. Rep	placing the needles:		
Ü	neral recommendation can be made for replacing the needles, as a wide variety of conditions (soldering quality, e sizes, needle strokes, vacuum adapters, mechanical adapters, etc.) can have a serious impact.		
Basica	ally, two versions of dealing with this problem have developed:	o.k	n.o.k
6.1	Fixed replacement intervals with individual stroke numbers - only for high-volume production		
6.2	Replacement of individual needles that cause contact problems only for small quantities		
Please	e enter the needle material used in a separate material list.		
7. Clea	aning:	o.k	n.o.k
7.1	Cleaning the fixture. Do not clean Plexiglas with aggressive agents (never use spirit!)		
8. Final test:		o.k	n.o.k
8.1	Contact test with short-circuit plate (if available)		
8.2	Short-circuit test with LP dumy (if available)		
8.3	The fixture is tested for contact on the tester with a test specimen from the series		
8.4	Carry out hit pattern check with occlusion spray		
The fix	dure has been serviced in accordance with the above points and is fully operational. The fixture requires the		
follow	ing reworking:		