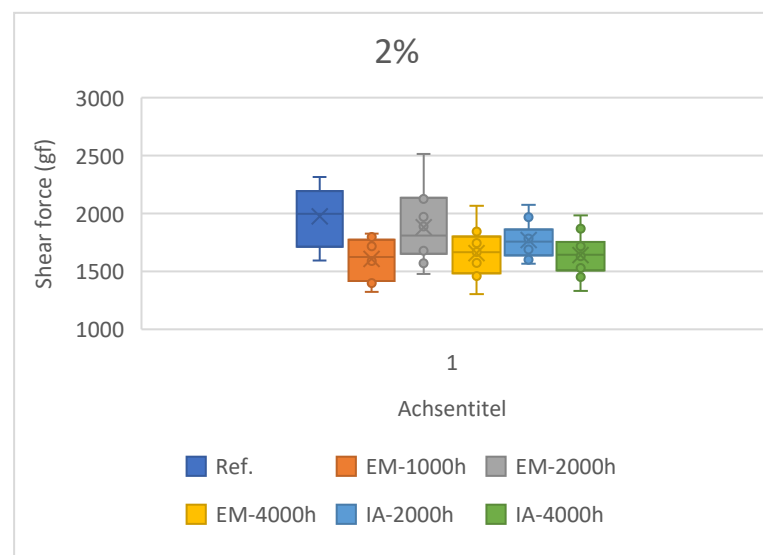
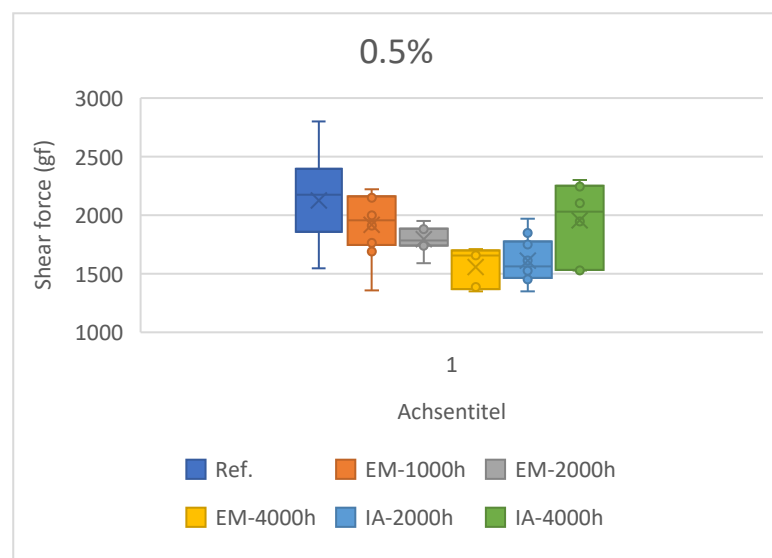
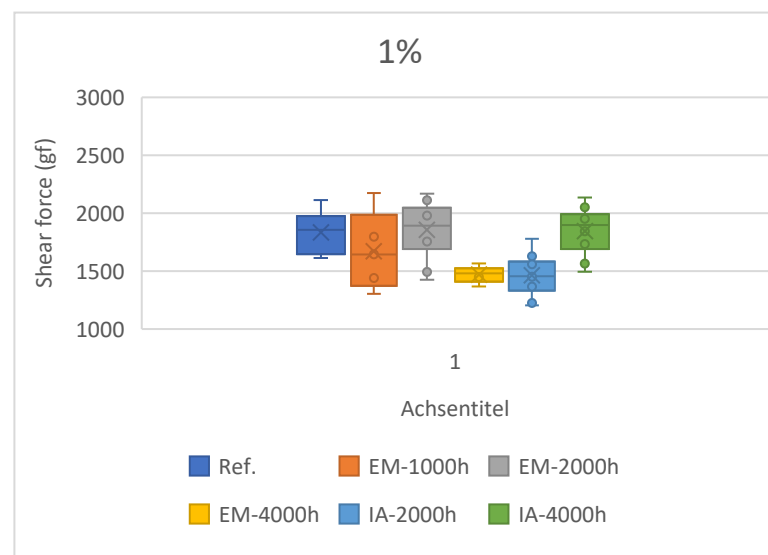
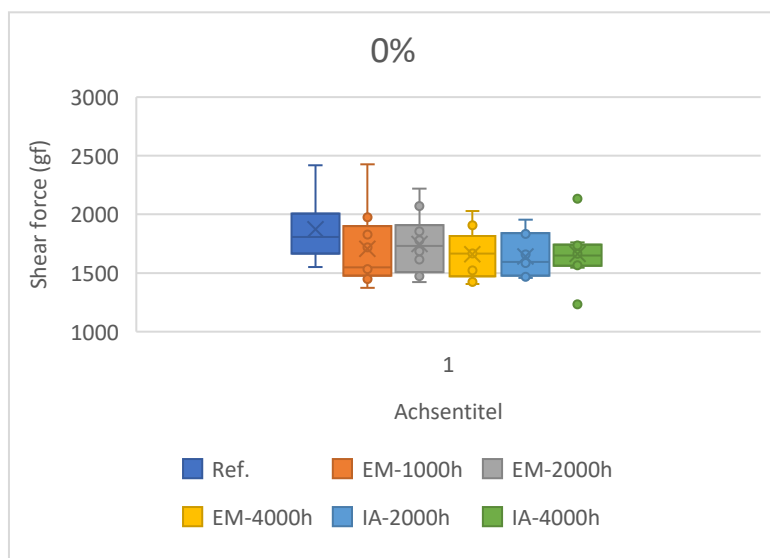


Shear test results of SAC solderjoints of the 0402 resistors as reflowed and after EM tests

[illegible]

Shear test results of SAC solderjoints of the 0402 resistors as reflowed and after IA tests

2000h - IA	all Values in gF									Speed:	200µm/s	
%	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	MW	Stabw.
0	1856	1468	1954	1510	1482	1658	1834	1606	1458	1584	1641,00	180,14
0,5	1468	1350	1534	1968	1750	1524	1590	1452	1612	1848	1609,60	191,69
1	1780	1204	1366	1224	1452	1406	1558	1568	1458	1628	1464,40	177,87
2	1968	1782	1810	1652	1566	1688	2074	1826	1730	1600	1769,60	159,60
4000h - IA	all Values in gF									Speed:	200µm/s	
%	1.	2.	3.	4.	5.	6.	7.	8.	9.	10.	MW	Stabw.
0	1736	1546	1664	1734	1614	1234	2134	1762	1566	1632	1662,20	224,23
0,5	2148	2244	1958	2266	1526	1946	1528	1532	2300	2102	1955,00	316,84
1	1756	1960	2050	2136	1972	1494	1844	1732	1950	1564	1845,80	208,15
2	1332	1452	1682	1982	1658	1870	1568	1716	1528	1630	1641,80	190,24



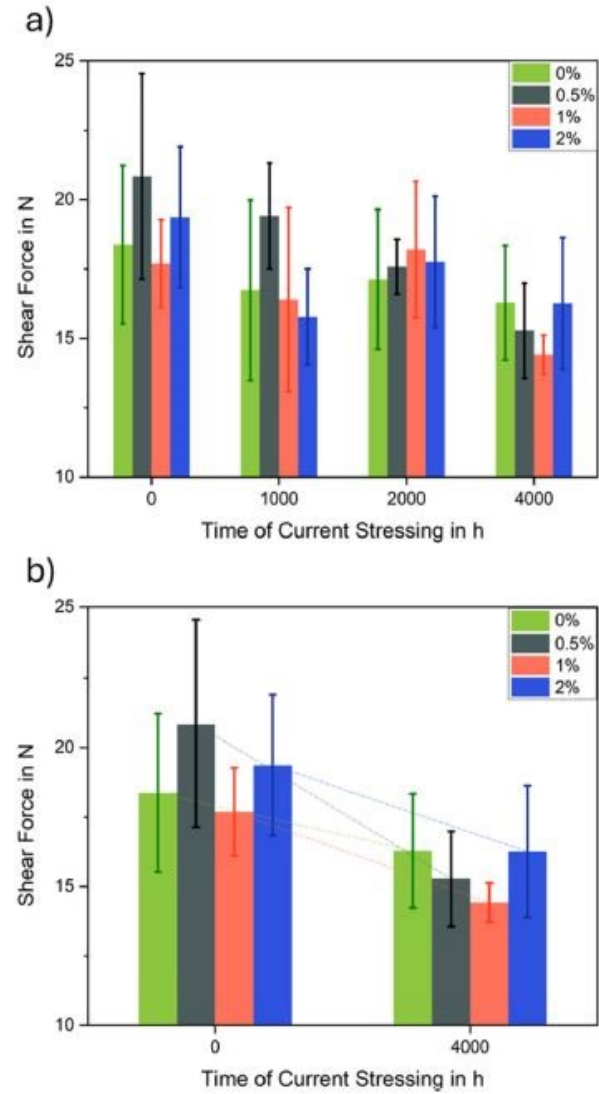


Fig. 9. Shear force at failure of 0402 solder joints of aR (0 h) samples as well as 1hEM, 2hEM and 4hEM (1000, 2000 and 4000 h respectively) (a) and detailed comparison of aR and 4hEM (b).