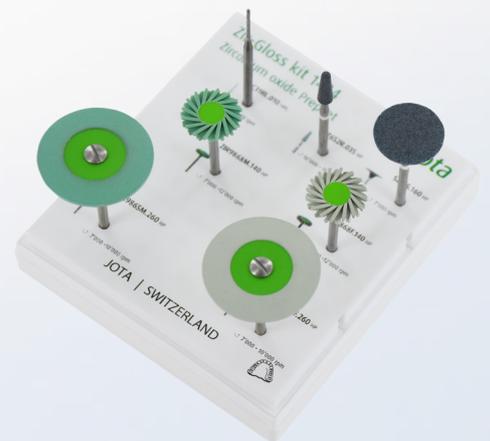


jota kit 1434
ZIR GLOSS LABORATORY

A perfect zirconium oxide restoration using just one set!

- › A new detach carbide cutter for separating the retention bars
- › Zirconflex for reworking surfaces and margins as well as fitting in the sintered state
- › Specially developed and coordinated ZIR Gloss diamond polishers
- › A perfect smooth and antagonist-friendly occlusal surface enabled by the new Jota Swivel polishers



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ZIR Gloss Laboratory

Perfect high-lustre polish for zirconium dioxide restorations

Zirconium oxide is becoming rapidly popular due to its high strength, biocompatibility and aesthetic benefits, in particular with highly translucent variations. The use of monolithic zirconium oxide is also continually increasing, especially in molar applications. The high strength of this material, however, also puts the rotary instruments to the test. Particularly zirconium oxide, which is inclined to form micro-cracks when prepared incorrectly, requires specifically tailored instruments. Preparation must be completed without local heat builds and should produce highly aesthetic results with optimal cost-effectiveness. Another issue is the abrasion of the antagonist because of a rough occlusal surface of the zirconium oxide restoration. A well polished surface shows a much smoother surface compared to a glazed one and has therefore clear advantages for the antagonist.

With the Jota **ZIR Gloss Laboratory** preparation and polishing system we are providing a precisely coordinated system, which caters for all working stages using rotary instruments from separating the restoration to high-lustre polish. The specially developed two-stage diamond polisher range based on the new Jota Swivel technology is completed by the proven Jota Zirconflex, which is used for dry preparation of zirconium oxide. The new developed super slim detach carbide cutter with an extended shank is perfect for separating the restoration also from thicker blanks without the danger of tearing or getting caught. A perfect high-lustre is achieved in only two polishing stages using the new ZIR Gloss polishing system! The Swivel Polishers create a perfect high glossy surface and are ideal for polishing the occlusal areas. They show huge advantages compared to the classical flame shaped polishers regarding efficiency and durability.



Separating the restoration:

The restoration is separated from the block or blank using the new C31RL detach carbide.

Recommended speed:

The speed should be set at about 10'000 rpm.



Trimming the connection points:

The connection point of the support bar or sprue is trimmed using the Zirconflex SZ652R. The connection points of stabilisation bars after sintering can also be trimmed using this rotary instrument. Water cooling is not required during trimming!

Recommended speed:

The speed should be set at about 10'000 - 15'000 rpm.



Smoothing the surface:

The surface is smoothed and possible faults (e.g. errors during the trimming process) can be removed using the Zirconflex SZ652R. Margins can also be precisely thinned after the sintering process using this rotary instrument and contact points can also be adjusted.

Recommended speed:

The speed should be set at about 10'000 - 15'000 rpm.



Interdental preparation:

The extra flat Zirconflex SZ715 is used if required for preparing interdental spaces of multi-unit restorations after the sintering process.

Recommended speed:

The speed should be set at about 7'000 rpm.



Pre-polishing the surface:

The ZIR9865M is used for pre-polishing the surface in preparation for high-lustre polishing. Minor adjustments can also be made and margins can be reworked using this specially adapted diamond polisher.

Recommended speed:

The speed should be set at about 7'000 - 10'000 rpm.



Pre-polishing the occlusion:

The new Jota Swivel Polisher ZIR9868M is perfect for prepolishing the surface specially the occlusion. Excessive pressure should not be applied when using the diamond polisher!

Recommended speed:

The speed should be set at about 7'000 - 12'000 rpm.



High-lustre polish of the surface:

The surface is finally precisely polished to a high-lustre using the ZIR9865F. High-lustre polishing improves the stability of zirconium oxide.

Recommended speed:

The speed should be set at about 7'000 - 10'000 rpm.



High-lustre polish of the occlusion:

The ZIR9868F is used for the final high-lustre polish of the occlusion. A smooth occlusal surface reduces the abrasion of the antagonist.

Recommended speed:

The speed should be set at about 7'000 - 12'000 rpm.

Final result:



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C31RL.HPL.010



The new developed one piece carbide detach dutter has an overall length of 55mm and an extra thin and long working part. Using this instrument you easily separate restorations without any vibrations even in case of thicker blanks.

↻ 10'000 rpm

ZIR9865M.HP.260



Diamond polisher from the ZIR Gloss with a medium diamond grit size and specially developed bonding. This polisher is the first step of the polishing system and is used for pre-polishing the surface. The flexible lens shape also makes the polisher highly suitable for thinning margins.

↻ 7'000 - 10'000 rpm

SZ715.HP.160



The extra thin Zirconflex with a thickness of only 0.9 mm is optimally suited for interdental preparation of densely sintered zirconium oxide. No water cooling is required during preparation!

↻ 7'000 rpm

ZIR9868M.HP.140



The new Jota Swivel from the ZIR Gloss series shows perfect results and durability. The dark green Swivel with a medium diamond grit and a specially developed bonding is ideal to pre-polishing the occlusal surface.

↻ 7'000 - 12'000 rpm

SZ652R.HP.035



The Zirconflex has been proven over many years. This cone shape is optimally suited for reworking and corrections of the surface both in the unsintered and sintered state.

↻ 10'000 - 15'000 rpm

ZIR9865F.HP.260



Diamond polisher from the ZIR Gloss series with a fine diamond grit size. This polisher is the second and final stage of the polishing system and is used for the high-lustre polish of the surface. The flexible lens shape adapts optimally to the surface.

↻ 7'000 - 10'000 rpm

ZIR9866F.HP.140



The light green Jota Swivel from the ZIR Gloss series with fine diamond grit size is the final stage of the polishing system. This diamond polisher is primarily used for high-luster polishing of the occlusal surface and shows huge advantages compared to the classical flame shape.

↻ 7'000 - 12'000 rpm

JOTA Dealer:

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