

WHITE-STAGE ZIRCONIA POLISHERS

Zirconia in the pre-sintered state has a porous structure and a low strength. A subsequent sintering process can not eliminate defects such as cracks, steps and microchips developed after manufacturing or shaping and structure adjusting. Furthermore, polishing only at the zirconia sintering stage causes high material wear on the polishing tools and is very time-consuming. Therefore, white-stage polishing restoration is an essential step before the sintering process.

JOTA PRE-SINTERPOL does not change the color of the pre-sintered zirconia and improves the surface quality. The dark grey M-polishers grind away connectors, thin the margins and smooth the surface. The light grey F-polishers polish the surface of pre-sintered zirconia.

Recommendations:

- use gloves when polishing pre-sintered zirconia, as it is highly sensitive to any coloured impurities
- pre-sintered zirconia restorations should be polished only in the dry state
- rotation speed 4.000-7.000 RPM with light pressure

IMPROVE MECHANICAL PROPERTIES

STRENGTH OF THE RESTORATIONS IS 25-35% HIGHER

IMPROVE OPTICAL PROPERTIES

SMOOTHER SURFACE

WITHOUT A DYE

DON'T STAIN ZIRCONIA



VIDEO

PRE-SINTERPOL

DURABLE | TIME-SAVING | SMOOTHER | ECONOMICAL

ZIR9972M.HP.100

REF 658104275423100

L = 24.0 mm



ZIR9974M.HP.055

REF 658104275423055

L = 16.0 mm



ZIR9972F.HP.100

REF 658104275413100

L = 24.0 mm



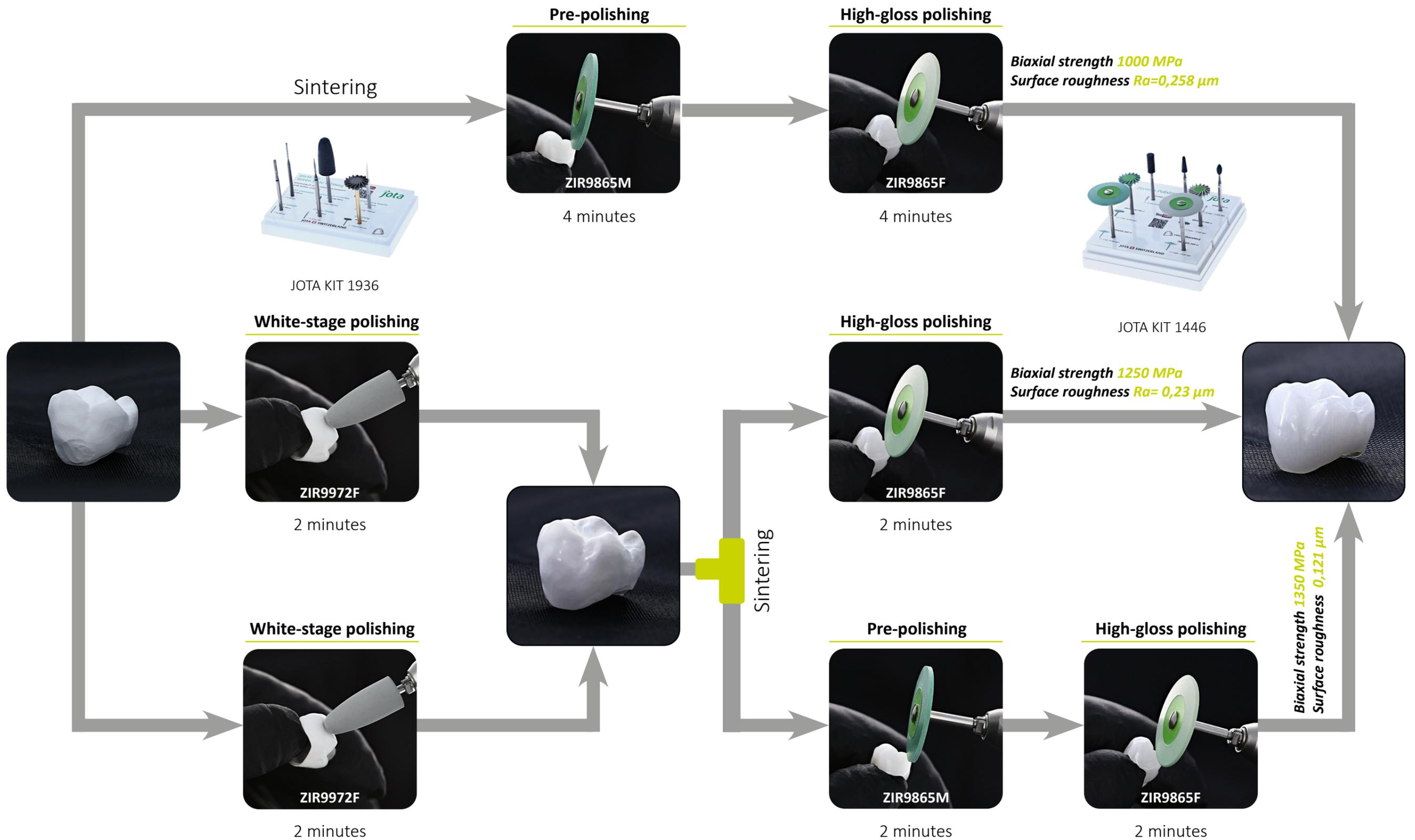
ZIR9974F.HP.055

REF 658104275413055

L = 16.0 mm



ZIRCONIA POLISHING WORKFLOWS



White-stage polishing **improves the optical and mechanical properties of zirconia**, and polishing after sintering takes **less time** therefore, the pre-polishing step (green polisher ZIR9865M) can be skipped. Nevertheless, the two-steps polishing protocol increases flexural strength. Additional polishing step removes more surface defects and thus achieves a smoother surface.

KIT 1936 GREEN STATE REFINING



VIDEO



C31RL.HPL.010

Separating



ZIR9972M.HP.100

Connectors grinding and surface smoothing



515L.HP.012

Fissures retightening



882.HP.018

Straight surfaces processing



863.HP.012

Surface texturing or fissures shaping



9840.HP.140

White-stage polishing

KIT 1446 ZIRCONIA POLISHING

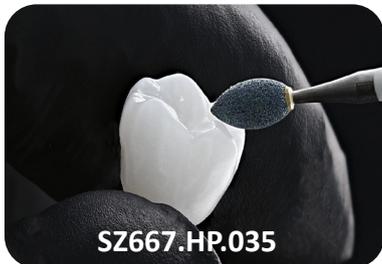


VIDEO



SZ732HP.050

Straight surfaces smoothing and margins thinning



SZ667.HP.035

Supracontact points adjusting



SZ652R.HP.035

Interdental spaces finishing



ZIR9865M.HP.260

All surfaces pre-polishing



ZIR9868M.HP.140

Occlusal surface pre-polishing



ZIR9865F.HP.260

High-lustre polishing of all surfaces



ZIR9868F.HP.140

High-lustre polishing of occlusal surface