

Polishers | Composite

One-step high-shine polish of optimally finished surfaces



Polishers with integrated diamond particles are standard instruments for the effective polishing of composite and ceramic materials and there is a wide choice of multi-step polishing systems available on the market to carry out this task. The operator can choose from a large variety of polishers, e. g. coarse polishers for shaping, medium polishers for fine polishing and fine polishers for high-shine polishing. Although there is such a broad spectrum of polishers available, many operators do not carry out all polishing steps to save time.

Depending on the polishing properties of the composite material it is possible to do without one or more polishing steps if this is for example compensated by a good previous finish of the surface with efficient tungsten carbide finishers. Alternatively, finishing is also possible with a diamond finisher with yellow ring.

However, in-house tests have revealed that cutting tungsten carbide finishers are more efficient than abrasive diamond instruments as they produce much finer surfaces. Another aspect is the hardness of the polisher: On one hand, polishers with a hard bond tend to have a longer service

life, but on the other hand they are less adaptable, whereas a softer bond is more flexible, therefore allowing an optimal adaptation to the anatomy of the tooth.

Our recommendation is to contour the surfaces with highly efficient tungsten carbide finishers before using our newly developed ultra-fine polishers for the high-shine polish. Our Q instruments are particularly suited for finishing as they feature a special fine toothing which allows efficient contouring of surfaces. Subsequently, our newly developed yellow polishers will achieve a perfect high shine in just one polishing step. The most outstanding features of these new polishers are the use of ultra-fine diamond grit and their flexible silicon bond.

The new polishers and our proven Q finishers are an unrivalled team for achieving high-shine polish in just one step.

Advantages:

- very flexible due to a special silicon bond
- use of heat resistant materials suitable for sterilization in the autoclave
- colour coding (white ring for ultra-fine) in line with diamond grit to avoid confusion

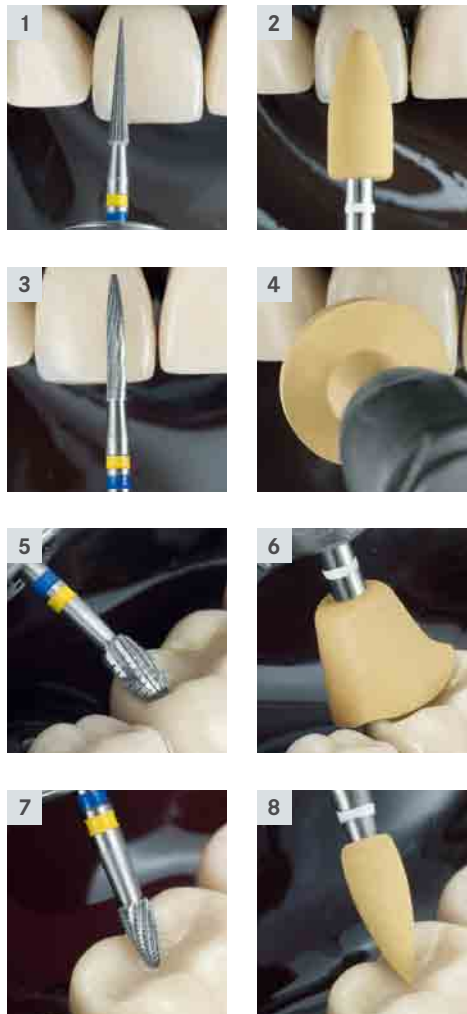
Examples

1 and 2: Shaping (**H135Q.314.014**) and polishing (**9524UF.204.050**) of labial surfaces. The long flame is optimally suited for precise shaping of the labial surfaces.

3 and 4: Corresponding two-step work with the flame-shaped finisher (**H48LQ.314.012**) and a wheel-shaped polisher (**9526UF.204.100**).

5 and 6: Contouring the occlusal surface with the egg-shaped finisher (**H379Q.314.023**) and polishing with the cup-shaped polisher (**9525UF.204.085**). The cups are perfectly covered by the large opening of the polisher.

7 and 8: Contouring (**H390Q.314.018**) and polishing (**9523UF.204.030**) the fine fissures with the pointed flame-shaped instrument.



Recommendations for use:

- In order to avoid excessive heat generation and to achieve a perfect high shine apply sufficient water coolant (min. 50 ml/min.). This way, the polisher is even more efficient as the fine composite particles loosened during polishing are evacuated with the water.

- In spite of their rounded edges, particularly in case of wheel-shaped polishers it is recommended to apply external cooling which should be directed between the polisher and the composite filling to avoid the water coming in contact with the handpiece and to allow optimal cooling of the treatment site.

- Recommended speed:
Finishing with the Q finisher

🔄_{opt.} 20.000 rpm

Polishing

🔄_{opt.} 6.000 rpm

