Fascinating ergonomics

Surgical straight and contra-angle handpieces

By W&H staff

The new W&H straight and contra-angle handpieces not only make working more pleasant but also more flexible and less tiring, the company says. And all that with optimal visibility and perfect hygienic conditions.

Innovative performance features

The W&H product portfolio for surgical straight and contra-angle handpieces has been expanded and particularly impresses with its ergonomics, a Mini LED+ with daylight quality, flexible cooling with replaceable spray clips, a scratch-resistant surface coating and the first surgical contra-angle with a 45-degree head. All straight and contra-angle handpieces can be fully dismantled for superior cleaning.

Fatigue-free working

The ergonomic shape makes work less tiring. They were specially designed for a wide range of users, regardless of whether they are right- or left-handed.

Perfect light with Mini LED+

The surgical straight and contra-angle handpieces are now equipped with a Mini LED+. This offers optimal illumination as the Mini LED+ can be integrated very close to the handpiece tip, thanks to its being half the size of a normal LED. For the first time, the WS-56 (1:1), WS-92 (1:2.7) contra-angle handpieces and the S-9 (1:4) straight handpieces are now available with light.

With their integrated generator, the straight and contra-angle handpieces can create the energy for the LED light all on their own. As soon as the straight or contra-angle handpiece goes into operation, the integrated generator produces the electricity needed autonomously and supplies the LED.

Flexible cooling

For the first time, cooling can now be individually adapted with replaceable spray clips, so the coolant is always in the right place, the company asserts. The spray clips (for WS-75, WS-75 LG, WS-56 and WS-56 LG) allow attachment of the coolant tubes for external cooling and the internal bur cooling (Kirschner-Meyer) on the left or the right.

Perfect hygiene

The new scratch-resistant coating on the surface of the straight and contra-angle handpieces offers the optimal basis for improved cleaning and hygiene, the company says. In addition, the new surgical straight and contra-angle handpieces can also be completely dismantled, thermo washer disinfected and sterilized up to 135 degrees C.

The first surgical contra-angle handpiece with a 45-degree head

The new WS-91 and WS-91 LG contra-angle handpieces with a 45-degree head unite the advantages of straight and contra-angle handpieces for the first time. The 45-degree angle allows considerably better access and better visibility of the treatment site. This makes palatal access to the maxillary molars much simpler, even with a small mouth opening.

In contrast, in buccal applications, there is more space between the cheek and operating site. At the same time, the view is barely affected. A ratio of 1:2.7 makes it possible to work quickly and effectively, allowing rotating instruments to achieve speeds of up to 125,000 revolutions per minute. A three-port spray guarantees sufficient cooling of the bur as well as the tooth and bone. According to the company, the contra-angle handpiece with a 45-degree head is ideal for surgical extractions of wisdom teeth, tooth separations and apical resections.

For more information on the all W&H products, visit www.wh.com/na.