

THE BRASSELER USA XK-PRO 100 HIGH SPEED DRILL SYSTEM

Cutting Power and Precision in a Compact, Lightweight Handpiece

What does the surgeon want from a powered handpiece during surgery? A handpiece that will help him/her finish each surgery faster, safer, and with the utmost precision. And those are exactly the features that the **BRASSELER USA** (Savannah, GA), **XK-PRO 100 High Speed Drill System** offers. The XK-PRO 100 High Speed Drill System is specifically constructed to give the surgeon more cutting power, more precision, and quicker stopping ability.

The XK-PRO 100 handpiece was designed for use in all types of neurosurgical procedures. It was developed for the rapid dissection of bone, bioplastics, biometals, and cement. Extremely well suited

for use in minimally invasive surgeries, the XK-PRO 100 is very slim with a low overall profile, making it easy for the surgeon to see even the tiniest surgical site with no visual impairment.

Equally adept for spinal or skull base procedures, the XK-PRO 100 gives the surgeon precise cutting ability *literally* at his fingertips. The lightest touch guides the XK-PRO 100, making it unnecessary for the surgeon to use more than the gentlest pressure to operate the handpiece. The handpiece/hose combination has been

ergonomically designed for maximum balance, vastly reducing perceived weight and therefore wrist fatigue for the surgeon.

The motor does not require continuous lubrication with oil, which makes it quicker and easier for staff to set up the equipment for surgery. It also makes the surgery less hazardous to the patient by eliminating the danger of oil migration to the surgical site. The XK-PRO 100's ingenious hybrid air bearing motor lubrication system design makes potential oil migration

forever a thing of the past.

The XK-PRO 100 motor incorporates an innovative low-friction design, resulting in a much smaller necessary nitrogen flow, even while running

perfectly on a few drops of oil applied prior to sterilization of the handpiece. The gas pressure works toward providing a higher degree of torque, instead of having to work at keeping the handpiece from overheating due to internal friction.

That higher torque provides a true high speed of 100,000 rpm for the XK-100 PRO, and the handpiece operates at a pressure supply of between 120 psi and 130 psi on either compressed sterile air *or* nitrogen. And what *that* means to the neurosurgeon is the bottom line for any powered surgical



handpiece: **More cutting power, which means less time for the patient on the table.**

The XK-PRO 100 High Speed Drill System has a new integrated braking system that stops the bur from rotating almost instantaneously. This forward-thinking idea results in an on/off safety switch that eliminates the potential of a run-on hazard. Integrated braking means that the handpiece stops cutting *exactly* when and where the surgeon wants it to, with less chance of even a tiny bit of “coasting.”

A large selection of cutting accessories is available in the most often-needed sizes for the XK-PRO 100, allowing the surgeon to perform a wide range of procedures. The different lengths of straight and angled nosepiece attachments permit access to different anatomical structures. All of the attachments are designed to work flawlessly under the most exacting surgical conditions and to attach with speed and ease. Angled and straight attachments come in four sizes each (50 mm, 70 mm, 90 mm, and 110 mm), and craniotomes come in adult or pediatric sizes.

Changing out the nose pieces, cutters, or craniotomes has be-

come a completely streamlined process with the XK-PRO 100 High Speed Drill System's quick connect feature. Quick-connect/disconnect burs, attachments, and hose require no special tools or keys. They all lock in/unlock with just a twist for the hoses and attachments or a click of a button for the cutters.

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The XK-PRO 100 system includes a variety of rotary cutters that are precision designed through a one-piece construction method to perform perfectly at ultra-high speed. Every flute of each XK-PRO 100 high-speed cutter is ground to a remarkably sharp, cutting edge. The result is an exceptionally aggressive, smooth cutting instrument that, combined with the high-speed motor design, requires only very light working pressure. Our high-speed cutters come in a variety of shapes, sizes, and lengths and are ISO- and CE-certified.

Sterilization is simple, too: The entire XK-PRO 100 High Speed Drill System can be wiped with a damp cloth and cleaned with a mild, non-abrasive disinfectant solution. Lubricating the XK-PRO 100 is safe and convenient. The motor is simply sprayed with an aerosol lubricant before each sterilization cycle. The sterilization storage case holds the motor, attachments, and hose, allowing the entire set to be sterilized in a single container.

Surgeons find that the BRASSELER USA XK-PRO 100 High Speed Drill System addresses the most critical needs in neurosurgery: **It offers more cutting power and reduces the time a patient is on the table, and it stops precisely where the surgeon wants it to.** Compact, powerful and lightweight, the XK-PRO 100 High Speed Drill System has become the new standard in neurosurgical handpieces.



For more information concerning the BRASSELER USA XK-PRO 100 High Speed Drill System, call BRASSELER USA at 1-800-535-6638; fax at 1-912-921-7578; or visit BRASSELER USA's Web site at www.brasselerusamedical.com.