



Directions for Use

Non-Surgical Ultrasonic Endodontic Instruments

Function and Uses:

INDY instruments have been designed to function on most brands of Piezo-Electric type dental ultrasonic Scalers that use a M3x0.6 thread. Refer to your ultrasonic machines owners' manual for further details on the use of these types of devices. The operator should be aware that ultrasonic tips with small diameters are subject to breakage at any time.

All INDY instruments incorporate a contra-angled shape allowing for improvement in procedural access for both anterior and posterior teeth. This is the same design found in virtually all dental instruments as well as ultrasonic tips for scaling and periodontal use. Water irrigation port to reduce heat generation and for wet & dry cutting. The following are guidelines for the various uses of INDY Diamond Retreatment Instruments.

INDY-300 – INDY-400-INDY-500 Power Setting – Low

Due to their small cross sectional diameters and lengths, the 3-5 tips must be used on very low power. It is not necessary to apply force to the instruments as the diamond coating will aggressively remove dentin and debris along the lateral sides of the tips.

INDY's 300, 400, and 500 are used in the coronal, middle and apical one-thirds of roots. Each instrument gets progressively smaller in the cross-sectional diameter and longer in overall length. The three sizes allow the clinician greater control as the instruments are selected according to safe access and depth of the procedure. Uses include. Trephine around posts, chasing calcified canals, eliminating brick-hard paste-type material, broken instrument removal, and other intra-canal obstructions.

INDY-600 Power Setting – Low

INDY-600, ultrasonic instrument has a smaller cross-sectional diameter compared to the INDY 300, 400, and 500. They are generally used in the mid and apical portion of the root with illumination and magnification. This instrument is used for end cutting only and is commonly used to ditch around broken files, aiding in their removal.

Precautions

The power settings used are completely determined by the clinician's experience level with ultrasonic devices and tips and the desired power needed to safely complete the specific procedure.

Please refer to the instructions for use for the manufacturer guide of the ultrasonic generator.

The tips must be tightened onto the ultrasonic generator hand piece with a tip wrench prior to use. Failure to do so will hinder the tips vibration.

All procedures should be performed with adequate vision.

Power Settings

Always start on the lowest power setting that will effectively and safely perform the clinical procedure.

Recommendation is to use the INDY Retreatment Diamond tips on ultrasonic generators on a low setting.

Each individual INDY Diamond tips 300, 400, 500 and 600 offers water port to act as a coolant for lengthy procedures.

INDY Diamond Instruments move in a linear motion.

Sterilization Instructions – Ultrasonic Tips

INDY Instruments must be cleaned and sterilized prior to every use.

1. Pre-clean using a high quality pH neutral ultrasonic solution.
2. Dry thoroughly with a towel and compressed air.
3. Place instrument in sterilization bag avoiding contact with other instruments.
4. Operate sterilization cycle according to the instructions for your brand and maintain a temperature of at least 121° C (280 F) for a minimum of 20 minutes in an autoclave per USP recommendations, or 190° C for dry heat.
5. Allow instruments to cool to room temperature before use.