There are many uses for the Velopex Aquacut Quattro Fluid Air Abrasion Unit.

- Cutting enamel, composite, dentine
  - fissure cleaning and sealing
  - composite repair
  - cavity preparation
  - white spot removal
  - pre-bonding conditioning of enamel
- Stain removal
  - fissure cleaning and sealing
  - stain removal
  - caries removal
- Cleaning and polishing
  - fissure cleaning and sealing
  - stain removal
  - caries removal
- Etching
  - etching
  - porcelain repair
  - metal bonding
  - treating lab work
  - pre-bonding conditioning of enamel
  - wash and dry

The Aquacut Quattro will give you greater control and flexibility than any other piece of equipment you own. Some of its other benefits include:

- no vibration, turbine noise, heat generation or smell
- greatly reduced need for local anesthesia
- a handpiece that creates a fluid curtain around the powder medium
- a triple-action foot control that speeds treatment by allowing cut, wash and dry operations through the same handpiece
- no chipping or stress fracturing
- minimal loss of sound tooth material.

Bone expander drills are an alternative to osteotomes for the expansion and condensing of the atrophic mandible and maxilla in preparation for dental implant insertions. Expanders are also an alternative to the maxillary sinus elevation technique.

Many patients do not tolerate the trauma of the osteotome technique. Additionally, there have been documented reports of a variety of complications resulting from the technique.

Expanders are driven into the bone with a ratchet wrench or low-speed hand piece. This decreases the surgical trauma of osteotomies. Bone expanders improve the clinical success by improving stability, maintaining bone density and increasing fixation.

The Bone Expander Kit from ITL Dental includes five bone expanders, a ratchet wrench, a pilot drill, a ratchet wrench connector, a handpiece connector and a thumb knob for finger usage. The kit is autoclavable. The cost of the kit is less than $500, making it one of the most economical expander kits.

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