



Flow

Announcing FLOW's New Vacuum Assist System: UltraPierce™

FLOW's new UltraPierce makes it possible to use your waterjet to pierce brittle or laminated materials—such as stone, tile, glass, and composites—faster and more economically than ever before, without pre-drilling or fear of breakage or de-lamination.

The new patented UltraPierce vacuum assist system pulls abrasive into the waterjet cutting head just before the water stream starts so that abrasive particles are entrained in the waterjet stream immediately. Because abrasive is in the jet stream from the very first moment you start cutting, the work piece is pierced much more quickly and the impact of the jet on the topside of the material is greatly reduced, preventing material de-lamination or breakage.

With 75% of our company's waterjet operations devoted to glass cutting, UltraPierce was a life saver. Not only did we increase our throughput 25% by eliminating pre-drilling and maintenance, we also save on material costs by virtually eliminating part cracking. UltraPierce is a great investment."

Mark Polak—Denver Marble



HOW DOES UltraPierce COMPARE TO FLOW'S PREVIOUS VACUUM ASSIST SYSTEM?

- Fewer moving parts, and a higher-density more wear-resistant liner makes UltraPierce virtually maintenance free, lowering material and inventory carrying costs.
- Four times greater vacuum force, with ½ the air volume required vs. our previous model, (15 SCFM vs. 30 SCFM). Eliminates in-line garnet clogging in nearly all circumstances, reducing processing time and lowering production costs.
- Because it is smaller and lighter, UltraPierce is unobtrusive and can remain attached to your PASER® cutting head even when it is not in use, adding more uptime. Simply slip it over the abrasive inlet tube for quick and easy set-up. NO clamping required!
- The UltraPierce vacuum setting is easily adjusted to the required air pressure level by periodic use of a vacuum gauge (included within the your UltraPierce retrofit or start up kit.) No in-process monitoring is required.
- Optimized for use with FLOW's new PASER ECL Plus™, THE BEST SELLING CUTTING HEAD IN THE WORLD!

HOW DO I GET STARTED USING UltraPierce?

- For IFB and IFB with DWJ:
 - If you own FLOW's current vacuum assist, (P/N 010329), simply order new kit number 014570-1 and follow the instructions for retrofit.
 - If you do not currently have a vacuum assist unit, order kit number 010329-4 which includes all the electrical and hose connections you'll need to get started. (Call Tech Service in Washington State at 253-813-3318 or in Michigan at 248-669-4003 to discuss installation.)
- For your DWJ WMC, with or without current vacuum assist, order 713048-1.

**Please contact FLOW Customer Service at 1-800-526-4810 to order the correct kit for your needs.
Ask about our special introductory offer good through May 30, 2003!**