

Choosing the perfect belt

John Emptage shares DK Holdings' solutions for the ever growing and evolving global glass market, and reveals how the Diamond Tooling manufacturer is continuing to develop its Flexible Diamond range for processing flat glass.

Diamond is the toughest natural mineral known to date and can be used as a super abrasive for a number of hard to machine materials, glass being one of them. DK Holdings was one of the first pioneering developers in the world to introduce a flexible diamond belt into the glass manufacturing market three decades ago, having been a trusted partner to the global glass industry since 1959. The innovative material was developed by the company's engineers to combine the long life and aggressive cutting action of diamonds with a backing material that has strength and flexibility. This enables diamond tools of various shapes to quickly and economically grind and polish a wide range of hard materials such as natural and synthetic stones, glass, ceramics and hard metals.

The manufacturing process creates diamond islands of identical size and shape with regular spacing. This has been designed to allow slurry to be freely washed away by the lubricant (coolant), eliminating clogging. The overall pattern produced gives the optimum rapid stock removal with the ability to achieve the desired honed or highly polished finish.

Tailored to customers' requirements

As with every product in DK Holdings' Diamond Tooling range, extensive testing was conducted, both in-house and in live production environments, which ultimately led to a bestselling product: the Electroflex glass belt.

DK Holdings manufactures its Flexible Diamond Belt in a variety of sizes (1180mm x 80mm being the most popular, used when carrying out arripping or seaming operations). These can be made in several grit sizes, depending on the

A variety of DK Holdings' Flexible Diamond Glass Belts.



stock removal or finish required. The company's technical engineers work in partnership with customers from inception to the supply to identify a Diamond Belt solution tailored to

their unique requirements.

The Electroflex product range is known for its versatility and can be made in a variety of shapes and sizes, to suit numerous applications and industries.

DK Holdings continuously seeks to innovate and develop Flexible Diamond products to meet evolving customers' demands such as reduction in production downtime as well as the increasing importance of reducing environmental impacts during the manufacturing process.

The company is looking forward to meeting industry professionals and its partners at this year's glasstec show (stand C08 – hall 11) in Düsseldorf this September to discuss the latest trends and challenges facing the glass industry. ●



DK Holdings' range of Electroflex products.

About the author:

John Emptage is Sales and Marketing Manager at DK Holdings

Further information:

DK Holdings Limited, Kent, UK
tel: +44 1580 891662
email: info@dk-holdings.co.uk
web: dk-holdings.co.uk