

Spin-finish applicator

Oiling nozzles designed to maximize performance



Excellent spin-finish uniformity with high oil pick up

There is more to spin-finish applicator tips than meets the eye. Just “any” ceramic tip will not meet today’s quality and performance requirements. The surface roughness and porosity has to be selected such that the yarn is treated gently. The design ensures uniform oil pickup along the threadline, and ensures low of spray off. Too little oil will result in direct contact with the surface, leading to yarn breakages and yarn mass variations.

Oerlikon Barmag spin-finish applicators exhibit high evenness of oil pickup for a wide range of yarn deniers and filament counts, even at high process speeds.

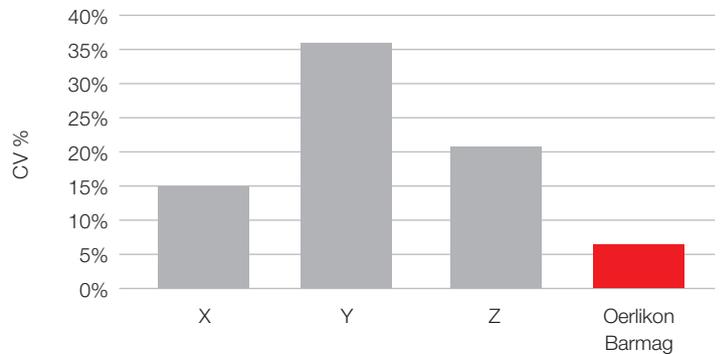
Spin-finish applicator tips from your local ceramic manufacturer may look similar, but will perform differently. Oerlikon Barmag has years of experience in designing spin-finish applicator tips, with a focus on developing the best for POY and FDY spinning. Extensive testing has enabled us to develop the optimum geometry and select the right characteristics for low friction and high durability.

Your benefits

- Longer service lifetime
- Excellent oil pickup (OPU) and uniformity
- Consistent performance over service life
- Low oil spray off
- Less fluff
- Good runability in DTY
- Good dyeability in FDY

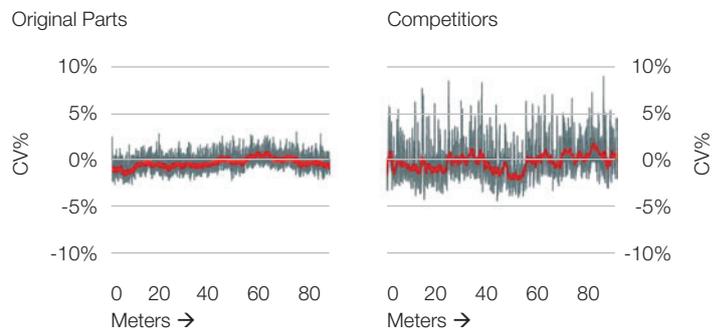
Extensive testing has enabled us to develop the optimum spin-finish applicator tips with proven performance.

Excellent spin-finish uniformity



A lower coefficient of variation (CV%) of spin-finish means high spin-finish uniformity on the yarn. Test results on 200 f72 dtex PET POY running at 3150 m/min with 0.35% OPU show the different CV% for different spin finish applicators. Spin-finish applicators developed by Oerlikon Barmag have significant advantage in spin-finish uniformity.

Original Parts result in better yarn uniformity



Higher spin-finish uniformity means better yarn uniformity in FDY production. Test results for yarn mass variation (CVm %) are shown above for a 75 f36 dtex PET. Different kinds of spin-finish applicators have been operated simultaneously in one spinning and winding position. Original Oerlikon Barmag spin-finish applicators show a yarn mass variation (CVm %) of 0.99% (left), compared to 1.81% for competitors (right). Final effect is a more uniform dye pick up for the yarn with good uniformity.

Oerlikon Barmag

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03/2011
Studio 45 / Koch
Subject to changes