

ALPHA® tensoRED® FAQs

Q: Do I need to buy new stencils for the tensoRED® frame to get the benefits of higher tension?

A: ALPHA®'s Tetrabond foils and DEK's Vectorguard foils are compatible with the new tensoRED® frame.

Q: Why should I consider changing from meshed mounted stencils to the tensoRED® foil system?

A: Space saving and ease of stencil management are the historical reasons customers prefer foil systems, however the patent pending design of tensoRED® solves two current challenges in the industry. Firstly, many of the leading foil systems, including ALPHA® Tetra, incur significant maintenance costs due to failures of the air bladders used to load/unload stencil foils. Secondly, there is a growing understanding that increased stencil tension can offer improved printing performance. ALPHA® tensoRED® addresses both these challenges.

Q: Do I need any spare parts or repair kits for the frame?

A: No

Q: What impact on stencil tension will I see?

A: Compared to ALPHA®'s Tetra systems, tensoRED® gives up to 50% higher tension, more uniformly spread right to the corners of the stencil.

Q: Will I have to have a high pressure air line or pressure boosters?

A: ALPHA® tensoRED® does not require any air pressure or additional equipment, to operate.

Q: How regularly will I have to replace air tubes in tensoRED® frames?

A: Never, there are no air tubes in this patent pending design.

Q: What types of stencils can I use with the new tensoRED® system?

A: All types of Alpha stencils including ALPHA® PRECISION MILLED, ALPHA® CUT, ALPHA® NICKEL CUT, ALPHA® STEP, ALPHA® FORM are available on tensoRED®. Additionally, several stencil coating options are also available.

Q: What impact does tensoRED[®] have on print volume?

A: In recent customer and internal trials we have seen evidence that both the variation of print volume deposits and misalignment of print deposits have been significantly reduced using stencils mounted on tensoRED[®] frames.

Q: How do I attach and remove stencil foils from the tensoRED[®] frame?

A: A simple mechanical loading station is all that is needed. One loading station per customer is required and is designed to server multiple tensoRED[®] frames in a multi-line environment.

Q: What sizes of tensoRED[®] frame are available?

A: Standard frame for foil sizes 23" x 23", 23" x 29", 29" x 29" and 600mm x 550mm are available. Other sizes are available on request. Version with integrated side bars to provide full 29" configuration is now available for the 23" & 23" and the 23" x 29" foil sizes

Q: Will the weight of the frame be a problem to my operators?

A: ALPHA[®] tensoRED[®] is lighter than most other frames on the market that are compatible with ALPHA[®] stencils.

Q: Will the additional tension in tensoRED[®] frames damage my stencils?

A: Our Tetrabond stencil foils are designed to be a factor of 10 times stronger than the forces applied to the foil under tension.

Q: Can the frame be put into my screen cleaning machine?

A: No. Wiping a frame with cleaning fluids to remove any residual solder paste is all that is needed. Damage to the frame may result if immersed in cleaning fluids.

For more information please contact your local Alpha Sales Representative or tensoRED@alphaassembly.com