

Why carry out a full re-fibre of an endoscope, rather than just polishing the distal end to remove damaged fibres?

Distal Considerations:

- Deterioration or damage to adhesive between fibres can lead to a loss of light and a dangerous build-up of bacteria in the scope.
- Polishing light fibres can result in the loss of 'light angle', resulting in shadow being cast on the top or bottom of an image.
- Over polishing can shorten the length of a scope, this can enlarge the field of view and affect the performance.
- Polishing different scope constructions can lead to structural changes to ledges and expose sapphire windows, increasing the risk of tissue damage from sharp edges.
- Damage to tubes results in the need to replace both the tubes and fibres within.
- Prior poor or substandard repairs or alterations can lead to instability in the scope, increasing the risk of scope failure.



*Form, fitness for use
and function should be
the same as when the
scope was new*



Proximal Considerations:

- Scopes with a crystal or fibre cone: there is a high risk of damage to the light fibres whilst removing the crystal, resulting in the need for a re-fibre.
- Over-polishing can leave a gap between the fibre cone and fibres themselves, which significantly reduces performance.
- Bare fibres and those damaged by overheating or loss of adhesive can break easily. Repairing and re-polishing can result in a loss of light, whilst re-surfacing by hand may result in a bent post handle.



Re-fibre Benefits

What's included?

Quality components, globally sourced:

- Medical Grade Stainless Steel Tubing
- German Engineered New Glass Fibre
- New Fibre Cone as Standard
- New Solderable Sapphire Distal Window
- New Light Post Colour Ring
- New Objective in 95% of Cases
- Replacement 'O' Ring to Prevent Leakage





Recreate the performance of a new scope and save

60%

Vs replacing with the OEM (Average saving)

Our Commitment to a High Quality Repair:



-  18 month guarantee on the repair
-  OEM optical specification followed where possible
-  Personal collection and delivery
-  Laser welding for sheaths and distal ends

-  **ISO 13485 accredited**
As recommended by MHRA*Advice around Endoscope Storage and Care
-  **Free educational visits to our scope workshop**
Come and see how we do it

A quality rebuild of your device can save money, increase clinical confidence and avoid the need to buy new. Look at the results:



Before Rebuild

After Rebuild