



Rigid Telescope Repair Service

Emmat has almost 20 years' experience of repairing approximately 80,000 endoscopes covering all brands and models. We follow manufacturers' design parameters and only use replacement parts of the highest quality and correct physical and optical specification.

WE OFFER:

- Daily free of charge collection, either by our own staff or using fully insured national couriers;
- Guaranteed same day collection where notified before 10am;
- Quick turnaround times of 5-7 working days;
- 12 month warranty for faulty parts and repair workmanship;
- Fixed price menu and free quotation if required;
- Full evaluation prior to undertaking repair work and objective impartial advice where an instrument is beyond repair or replacement offers a more cost effective solution
- Technical report provided with every repair detailing work undertaken and engineer's observations where appropriate;
- Pre-printed order pads and secure packaging in which to send your repair endoscopes





Our repairs process

Every incoming endoscope is leak-checked and its condition is fully assessed. Our technicians partially dismantle the endoscope and remove all of the optical relay system. If a new tube system and/or fibre bundle is required the endoscope is further dismantled into its constituent parts. All internal seals are renewed and new tube systems and fibre bundles (with fibres of correct acceptance angles) are fitted as required.

We check the angle and direction of illumination, as well as the light output on a fully calibrated optical test bench. The distal seals are renewed if required and the endoscope is pressure tested whilst fully submerged in water.

We have invested in the latest Rofin laser welding technology, which is capable of internal and external laser welds, and we use the latest generation gold eutectic solder.

Standard Repair

Our standard repair covers all optical components and includes reconditioning or polishing of light transmitting fibres, eye-piece and outer cover tube seals tested and repaired, damaged optical parts replaced, objective head removed and reconstructed, optical system cleaned, aligned and assembled, endoscope focused, dried and sealed, final clean and polish. The price includes all replacement component parts supplied including distal window, negative window, prism, objective lens, eye piece lens, O-ring and up to 14 rod lenses

Only
£250
incl delivery &
collection

New tube systems and/or fibre bundle

If there is a significant proportion of damaged illumination fibres, damage to the lining tube and or insertion tube or failure of the internal body seals, a full dismantlement of the endoscope into its constituent parts will be required. This is in addition to all work carried out for a normal standard price repair. We will always pre-notify this opinion before commencing work.

Only
£425
incl delivery &
collection