



REDUCE  
REUSE  
REPAIR  
RECYCLE

Surgical Instrument  
Repair, Restoration and  
Maintenance Services

**Pride.Precision.Performance.**



## Reduce Cost Exposure, Optimise Serviceable Life and Mitigate Risk...

As a Bolton Surgical customer you can expect a comprehensive service that will support you to reduce cost exposure and optimise the serviceable life of your instrument inventory whilst minimising risk to patient safety.

Bolton Surgical's Repair and Maintenance Service supports sustainability by offering circulatory for your surgical instrument inventory.

Operating from our modern facility in Sheffield we use best available technologies and equipment and the highest quality fully traceable materials, our highly skilled engineers take care of your assets as if they were their own.

We invite you to choose a service provider who truly puts patient safety at the forefront of everything we do. Our performance indicators speak for themselves with year-on-year conformance levels of over 99.97% for our repair and maintenance services!

Reduce your carbon footprint by choosing a Company with complete end to end repair, restoration and maintenance capabilities under one roof. Operating from one UK location with in-house technical capability means full and complete control of your devices repair journey! Our open house policy welcomes you to experience the repair journey end to end.

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## Why choose Bolton Surgical as your repair and maintenance partner?

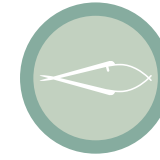
- Repairs carried out in accordance with our ISO13485:2016 Quality Management System and tested to applicable DIN standards.
- Turn around time of just 5 working days for all standard repairs – see ‘Our Repair Service Journey’.
- Systems optimised to enable full traceability of customers assets throughout the repair process.
- Individual technical reports on all specialist device repairs.
- Open pricing policy and pre-pricing available or individual device threshold values can be determined by the customer.
- Replacements and service exchanges available from a large range of stocked products.
- Consumables such as order pads, repair tags and transportation boxes included at no extra cost.
- Safe and secure transportation available through our own vans and drivers or our dedicated courier service.
- Fully batch traceable spare parts manufactured from materials compliant with all applicable standards.
- Labour Standards Assured parts and service.
- Disposal of end of life instruments through licensed and validated recycling facility.
- 12 Months warranty on all repair work.
- Service Level Agreement detailing dedicated point of contact both internally and on-site detailing service availability and expectations.
- Regular usage and spend reports tailored to suit individual customer requirements.



**GENERAL SURGICAL  
INSTRUMENT REPAIR**



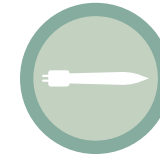
**LAPAROSCOPIC  
INSTRUMENT REPAIR**



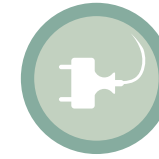
**MICRO, NEURO AND  
OPHTHALMIC REPAIR**



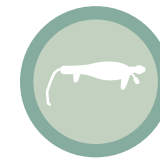
**ARTHROSCOPY  
INSTRUMENT REPAIR**



**MONOPOLAR AND  
BIPOLAR REPAIR**



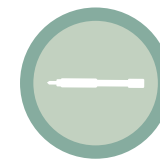
**ELECTROSURGICAL /  
FIBEROPTIC CABLES  
AND CONNECTORS**



**FIBEROPTIC  
INSTRUMENTS**



**RIGID AND SEMI-RIGID  
TELESCOPE REPAIR**



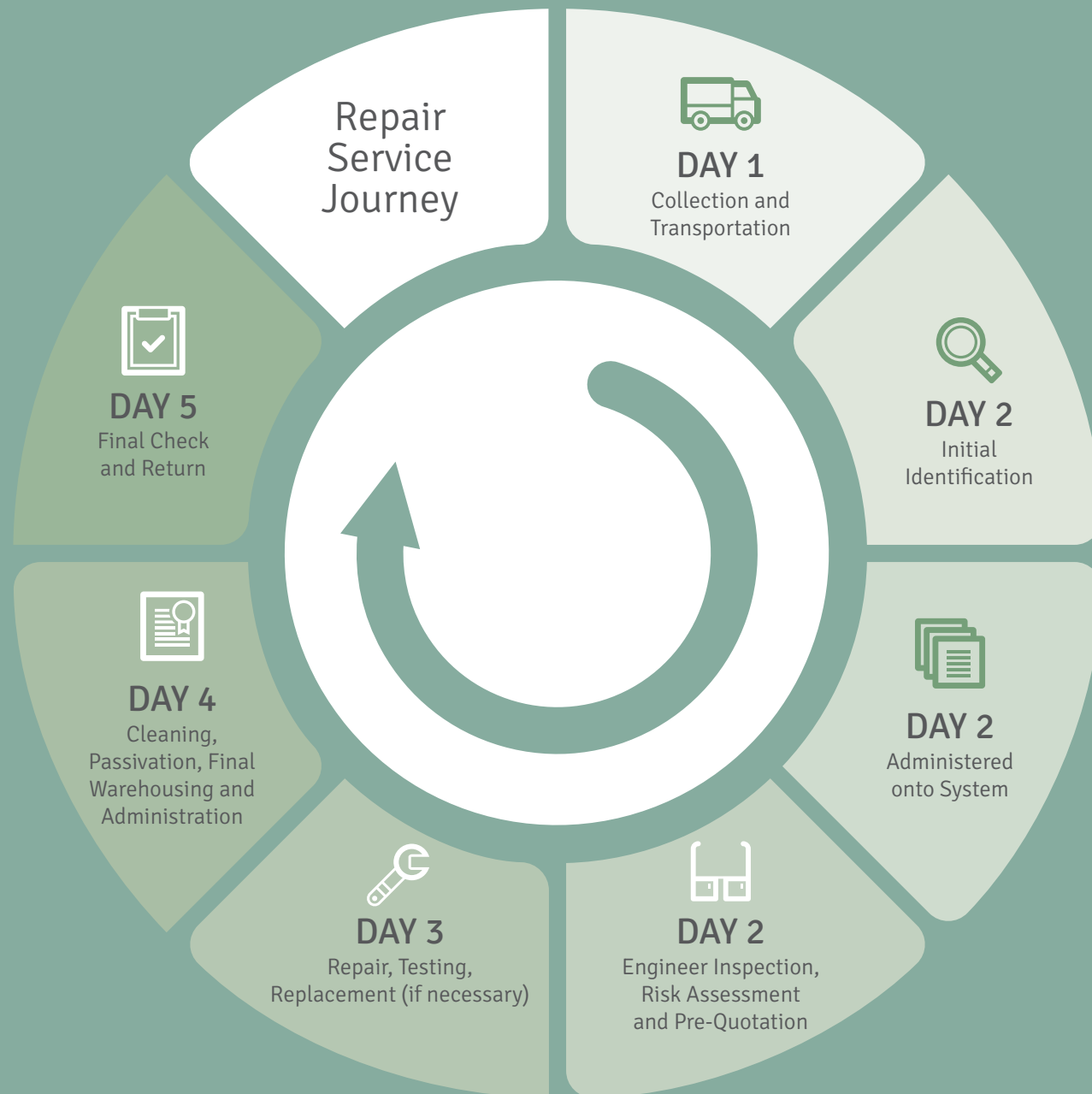
**DIAMOND  
KNIFE REPAIR**



**AUDITING OF INSTRUMENT  
SETS AND DEVICES**









We'd love to share with you some examples of various types of repair work with 'Before and After' images taken.

A typical Single Ended Hip Skid with a Tufnol® Handle. We also receive many Double Ended Hip Skids in for repair needing re-insulating, both versions are available to buy as new replacements.



**Before**

Cracked and peeled Nylon coating which occurs over time through repeated sterile processing due to the steel core heating (expanding) and cooling (contracting).

**After**

Nylon coating fully replaced following the correct preparation procedure which includes removing the old coating, grit blasting and priming the surface for maximum adhesion and longevity of new Nylon coating.

- All repairs are carried out following initial risk assessment.
- 'Before and After' images are of the same instrument and are of actual repairs received from our customers.
- All repair work is carried out in our Sheffield based facility 'in-house' by our own engineers.

Visit [www.boltons.co.uk](http://www.boltons.co.uk) for further images and information of repair work undertaken.

The inner rod and jaw of a Laparoscopic Grasper. We repair and manufacture replacement jaws for many types of Laparoscopic Instruments.

**Before**

Fractured jaw pivot most likely the result of over-stressing during use rendering the instrument unusable.

**After**

Re-pinned jaw with newly manufactured pin from batch controlled materials. Instrument fully reset to restore original form and functionality. Tested to applicable DIN Standard.



One of the most common instruments we receive in for repair. This is a small osteotome. Osteotomes, chisels and gouges are high on the list of most common repairs due to the nature of their use.

**Before**

Working end of osteotome blunted and misshapen. Instrument has impact damage on the blade and may have been mis-used as a lever. There is also water staining ('marbling') caused during reprocessing.

**After**

Osteotome fully re-surfaced to restore correct form, re-sharpened and tested.

## Our products and services

- Manufacture, Supply and Distribution of a range of over 25,000 compliant, fully risk assessed Surgical Instruments.
- Wide range of Reusable Baskets and Holloware.
- Extensive range of Single Use and Reusable Electrosurgery Products and Accessories.
- Mitt-Mat Surgical Hand.
- Kit-Mat Magnetic Mats.
- Repair and Service Exchange of Rigid and Semi-Rigid Endoscopes from our Sheffield Repair Lab.
- Range of Holders and Positioners including the Nathanson Liver Retractor Arms.
- Surgical Instrument Restoration Services.

We also offer

- Laser Welding (including rotating axis work).
- Lathe sub-contract services.
- Laser Etching of various materials (Pump Diode, UltraViolet Laser, Fibre Laser).
- Nylon Coating.



## Sustainability and Circularity

As we all work towards a Net-Zero Healthcare System and put Sustainability at the top of the agenda, it has never been more important to identify products and services that support our targets and goals.

Repairing, Maintaining and Restoring Surgical Instrument assets with Bolton Surgical is one way to contribute to waste prevention, but could also contribute to cost savings on hospital waste disposal as well as environmental benefits in the long run.

Waste resulting from our repair, maintenance and restoration services (redundant and obsolete instruments) is sorted and disposed of via a licensed and validated waste disposal contractor and recycled for use. Creating circularity in our operations wherever possible is our top priority.



REPAIR,  
RESTORATION AND  
MAINTENANCE  
SERVICES



GREEN THEATRE  
CHECKLIST

REDUCE  
REUSE  
REPAIR  
RECYCLE



[boltons.co.uk](http://boltons.co.uk)

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