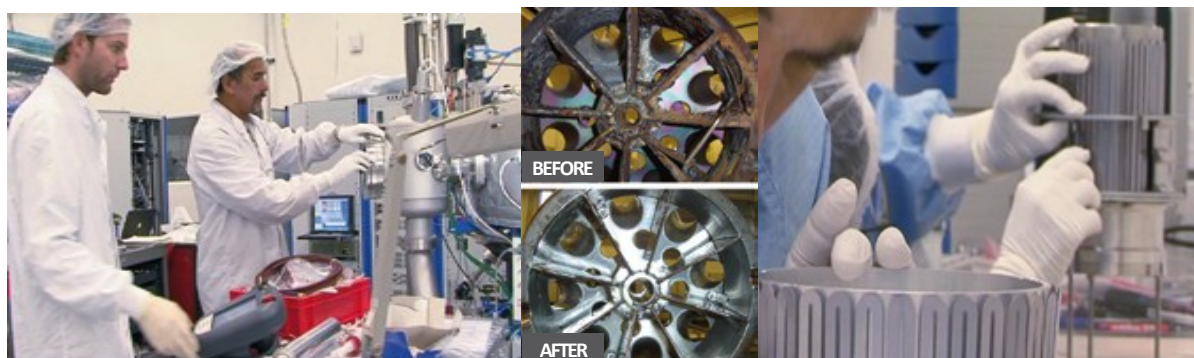


Refurbishment Service



All types of MBE equipment can be reconditioned : chambers, LN2 shrouds (main, pumping well, cells), manipulators, cells, shutter assemblies, shutter flanges etc.

Service introduction

Riber refurbishment solutions can significantly extend lifetime and keep operational conditions of your equipment. It provides a cost-effective alternative to the purchase of a new equipment. Reconditioning service can save 40-60% of the cost of new equipment. Riber has successfully reconditioned equipment for over 35 years. The skills and experience of the Riber Service team enable to ensure that each item of refurbished equipment will satisfy the original component individual specifications.

Our decontamination department is completely internal to the Riber facility in Bezons, France. Our facilities are designed

to cover all MBE systems, from R&D to Production.

This decontamination platform is organized with three isolated and independent areas. The first area is dedicated to large parts. It contains two big tanks of 4,000 liters, plus another one for smaller parts such as R&D chambers or shrouds. The second area is isolated and specifically dedicated to parts coated with red or white phosphorus. The third area is dedicated to small spare parts.

All these three areas are equipped for complete mechanical & chemical cleaning operations.

For all decontaminated parts, Riber's services include a standard cleaning plus a thermal baking followed by a re-assembling and test procedures. Riber's internal procedures are based on more than 35 years of experience in surface treatment for UHV and MBE processes.

In addition to these zones, Riber also provides a cleaning area for standard parts: stainless steel, refractory metals and PBN parts.

Refurbishment process

A quality refurbishment requires experience and compliance with UHV procedures. Our expertise allows us to offer ready-to-use package prices (N codes) for each type of refurbishment. These packages can be customized according to your needs.

DISASSEMBLY AND DIAGNOSTIC

Once the equipment is shipped to our factory, parts are completely dismantled. They are carefully inspected for damage

or defects. If the equipment has additional damage than can be repaired, an additional quotation is issued.

CLEANING

All the parts are decontaminated and chemically cleaned. Chemical cleaning is a complex customized procedure performed by skilled chemists who will consider the type and the degree of pollution of the parts, the state of the part's constituents, etc...

REPAIR AND REASSEMBLY

Damaged parts listed in our quotation are replaced or repaired and the equipment is reassembled.

TEST

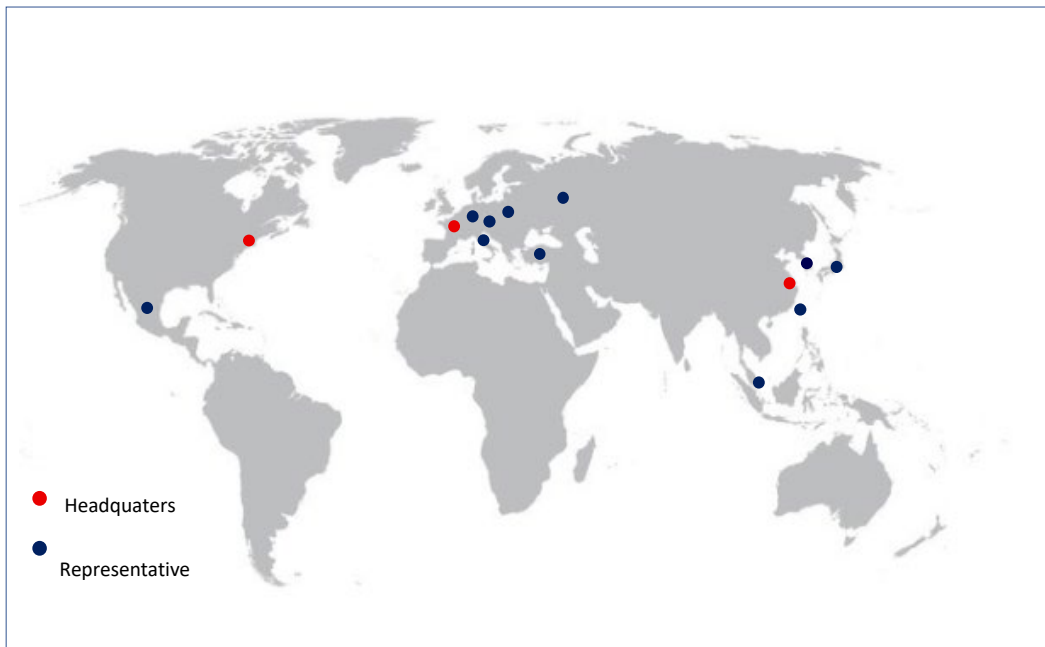
The equipment is degassed and leak tested under a vacuum to ensure functional performances.

SHIPPING AND DELIVERY

As options, Riber can deliver and reinstall equipment at customer's site.

RIBER SALES AND SERVICE NETWORK

For more information, please contact your local sales representative



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