

ASK US
TO QUOTE

150,000
Global repairs
of uprights annually



The smart,
modern
solution
for damaged
racking
uprights!

Call us now
to find out
about our
brand new
revolutionary
racking repair
service!

01621 786630

Suite 340
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E-mail: info@racking-uk.com
www.racking-uk.com

THERE IS NO
SPACE TOO BIG
TOO SMALL
OR TOO
AWKWARD!



An idea born out of necessity

When global furniture giant **IKEA** became tired of spending hundreds of thousands of Euros on replacement racking uprights, they contacted a local structural engineer to assist them with finding a smarter solution.

The basic principal of the system is extremely simple

We designed and developed a hydraulic tool that, by combination of a precision-formed die and controlled hydraulic pressure, reforms damaged racking uprights back to their original shape and strength – whilst the racks are under full pallet load!



The system benefits are simple but effective

- Repair, rather than replace!
- No need to offload your racking, as our system works under full load!
- Virtually zero operational disruption!
- Minimal cost when compared to replacing damaged uprights! Savings of up to 50% are common!
- Far more environmentally friendly, less transport required and wastage generated!
- Repair damage much quicker than replacing typical lead time is one to two weeks!
- All works fully certified and guaranteed!
- Industry-leading insurance cover provided by world-leading insurers – Lloyds of London!

Our revolutionary repair systems removes the need to order costly new uprights and vastly reduces the cost of restoring your racking systems to the correct operational standard.



RACKING-UK

Storage & Workplace Equipment

The smart solution for damaged racking uprights!

Damaged racking uprights present a huge cause for concern within the warehouse environment, with the structural integrity of the racking being severely compromised with every forklift truck impact. Further problems arise when having to shut down the affected pallet locations, which is extremely time consuming and costly to your operation.

Unfortunately, the problem doesn't end there - you are then faced with long lead times for new materials, expensive replacement material costs, with additional costs for installation, forklift truck hire, scissor lift hire, etc. Suddenly, you are presented with an unexpected bill running into many thousands of **£££s**, in addition to the enormous operational disruption that accompanies traditional racking repairs.

If, like most of our customers, you are tired of this persistent problem, you will be delighted to discover that there is a solution! Give us a call on: **01621 786630** to find out more.

Main Features

- An incredible, unique process that returns damaged racking uprights to their original form in less than thirty minutes
- Racks can remain loaded whilst the repair is carried out
- Save up to 80% of the cost of replacement, whilst minimising operational disruption
- Over **150,000** upright repairs carried out each year
- Certified to British and European standards
- **It's green** – reduce your carbon footprint by repairing rather than replacing uprights

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Here's how the system works



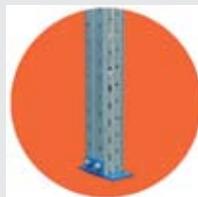
Step 1

One of our highly trained and professional teams of technicians carry out an initial inspection of the damaged upright. This is to ensure that the level of damage falls within the stringent parameters governing the use of our patented, certified, upright repair system.



Step 2

A custom, precision-engineered die is secured to the damaged upright and controlled hydraulic pressure is applied using our state-of-the-art process. The repair process works three dimensionally, to ensure correct re-profiling of the front face, side walls and corners.



Step 3

After the repair process is completed, the hydraulic pressure is gradually released and the precision-engineered die is retracted. The repaired upright is then revealed, having acquired its original shape and form, with no loss of strength, fit or function. **GUARANTEED!**

The benefits of our rack repair system

- Certified to BS EN 15635!
- Our process is certified to the relevant British and European standard and is fit for purpose!
- Helps meet your Health and Safety obligations quickly and cost-effectively!
- Adherence to the stringent quality standards enforced by our certification!
- Fully insured and the work is guaranteed for life!
- No need to unload your racking whilst the repair is conducted!
- No waiting for replacement materials!

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Accreditations

DEKRA

DEKRA is the largest product testing, research and certification body in Europe, and the third largest globally. The organisation currently runs activities in more than 50 countries, with approximately 30,000 employees who are committed to ensuring long-term safety, quality and environmental protection.

The **DEKRA** Business Units "Automotive", "Industrial" and "Personnel" provide professional and innovative services in the fields of testing, expert appraisals, international claims settlement, consulting, industrial testing, product testing, certification, environmental protection and qualification. In 2011, **DEKRA** officially certified the ROS™ racking repair process to the hugely important British & European standard: EN 15635 – The application and maintenance of storage equipment. Adopted by the British Standards Institute in 2008, the EN 15635 norm is the standard that all British and European users and suppliers of pallet racking must conform to with regard to the inspection and maintenance of their racking systems. Since achieving this important milestone, ROS™ have experienced immense and unparalleled levels of growth throughout the UK and Europe.



The Dr Möll Institute of Engineering

Formed in 1972, **The Dr Möll Institute of Engineering** has grown to be, amongst other things, the leading European authority for the structural testing and verification of racking and shelving products.

Major racking manufacturers from all across Europe appoint **The Dr Möll Institute of Engineering** to verify their own structural calculations to ensure compliance with the various EN standards that have been in force since 2008.

After thorough and extensive testing of damaged racking uprights repaired using the ROS™ repair method, **Dr Möll** concluded that "no reduction of the load bearing capacity could be observed".

Coming from Europe's leading authority on the structural testing of racking, we view this as a glowing compliment!



Oxford Brookes University

One of the UK's top universities for Engineering, Design and Environment studies, together with previous experience in the independent structural testing of racking and storage equipment.

During 2010, **Oxford Brookes University** was chosen as the independent test centre to determine the safety of the ROS™ method at the request of global logistics provider, DHL. In line with every other test carried out on ROS™ repaired uprights, Oxford Brookes' expert opinion was that the "ROS repaired uprights in this test achieved 100% or more strength than undamaged uprights".

Oxford Brookes University's report went on to state that providing the ROS™ repairable uprights are correctly identified, then "the ROS repair method is classed as safe".



Bayer Group

The multi-national, multi-billion turnover, **Bayer Group** is a global powerhouse in the fields of healthcare, agriculture and high-tech industries. With over 2000 of the most highly-qualified employees in the world, Bayer Technology Services is an obvious choice when searching for a partner in the areas of process technology, process automation and product development.

In 2010, Bayer Technology Services conducted their own unique and thorough testing of the upright repairs conducted by ROS™. Bayer concluded that all uprights repaired using the ROS™ method were "at least the same strength as before, in some cases higher". In addition, Bayer also stated that providing a repair was limited to a maximum of three times, "there are no indications of material fractures or weakness whatsoever". Yet another conclusive test report from a world-leading institute to add to our growing collection!



Packer Engineering

Based in Illinois, USA, **Packer Engineering** has been a leader in the engineering consulting business for over 50 years. **Packer Engineering** provides experience and expertise in many areas including: Accident Investigation & Reconstruction; Failure Analysis; Cause & Origin Investigations; Structural/Architectural Assessments & Performance Evaluations; Code Compliance Issues; Full Litigation Services; Product Safety & Liability Assessments; Product Development; Custom & Routine Testing, and; Research & Development.

During 2011, Packer Engineering conducted thorough research and testing on damaged racking uprights that had been repaired using the ROS™ technology. **Packer Engineering** concluded that repairs using the ROS™ technology is "well within industry requirements and specification". Additionally, and in keeping with the numerous other testing reports undertaken on the ROS™ upright repair system, **Packer Engineering** stated that "some uprights even saw an increase in load capabilities" after repairs had been carried out using ROS™ technology.



TNO

The first of many independent tests and research conducted on the ROS™ upright repair system...

In 2005, at the request of the world famous furniture giant, **IKEA**, **TNO** were requested to perform extensive testing and develop a full repair procedure for the newly developed ROS™ upright repair technology.

TNO is Holland's largest independent research organisation specialising in the development of innovative new products. TNO's mission is to connect people and knowledge to create innovations that boost the sustainable competitive strength of industry.

After thorough testing in their laboratories, **TNO** confirmed that "the ROS method did not result in any noticeable loss of load bearing capacity" when uprights are repaired using the ROS™ method, up to a maximum of three times.



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