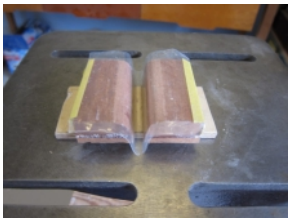
Industrial Metal Case Study

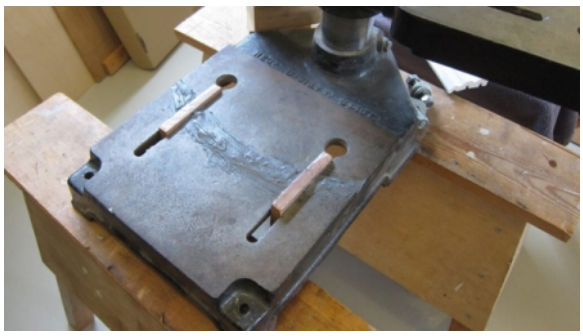
Drill Stand Base Repair & Refurbishment

An engineer refurbishes a second-hand drill base stand with a deep gouge using Industrial Metal Epoxy Paste at a fraction of the cost of buying new

Deep gouge in the drill base stand caused by misuse



Wood used to prevent epoxy paste from passing through the gouge or curing in gaps in the base



Industrial Metal was applied with a hand tool to rebuild the damaged area of the stand

Once cured, the epoxy paste was sanded down to leave an ultra-smooth finish

Defect

The deep gouge had been caused by the previous owner allowing the drill to penetrate the base. Due to the damage, they had decided to sell the stand.

It was in otherwise good condition. The engineer who bought the stand knew that if they refurbished the base, they would have a working second-hand drill stand at a fraction of the cost of buying new.

Solution

Sylmasta recommended the use of **Industrial Metal Epoxy Paste** for filling in the gouge.

The gouge had penetrated right through the base. A wooden plate was placed underneath to prevent the epoxy paste falling to the floor as it was applied.

Further wood was used to ensure the necessary gaps in the base were not filled with paste. All traces of rust and grime were removed from the base and it was roughened up with abrasives.

Industrial Metal was then pushed into the gouge using a hand tool, rebuilding the base by curing to form a new metal surface within an hour.

Result

A full cure was achieved in 24 hours, after which the surface was sanded down. This left an ultra-smooth finish seamless with the rest of the base.

A 500g pack of Industrial Metal was used to complete the repair, costing a little over £30 plus delivery. The engineer was delighted to have a working drill stand that will last many years for such a small outlay.