

The logo features a stylized 'M' composed of three overlapping, jagged shapes in teal and yellow.

**MAGES GROUP**  
ELECTRICAL & MECHANICAL ENGINEERS

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Digital Brochure



50 years experience in offering  
tailor made solutions to suit every  
customer's need.

Mages Group was established in 1960 by Mr William Mages and has since grown to become one of the South West's leaders in electro-mechanical services. By introducing S & G Engineering to W. Mages (Rewinds) Ltd in 1999, Mages Group is now recognised for its Mechanical division, as well as having a reputation of a well established engineering firm.

**MAGES GROUP**

Motor Repairs  
(ATEX)  
Pump Repairs  
Gearbox Repairs  
Generator Repairs  
Transformer Repairs  
Electrical Services  
(NIC EIC)  
Mechanical Services  
Machining  
Fabrication  
Grit Blasting  
Laser Alignment  
Thermal Imaging  
Dynamic Balancing  
Facilities Support  
Vibration Analysis  
Sales



[mages-group.com](http://mages-group.com)





## Motors, Pumps & Gearboxes

All Mages engineers hold valid confined space certificates for those special applications. Our team can assist in the removal, installation and upgrading of critical plant.



### Motor AC/DC

At Mages, we have the skill and knowledge to rewind, repair and overhaul all types of AC and DC motors up to 1000kW. We can also support you with removals and installations should you require a helping hand.



### Pumps

Our team can carry out refurbishments, installations and removal of all pumps no matter what size, manufacturer or model (incl. vacuum pumps). We can also assist in the alterations of pipework and installation modifications.



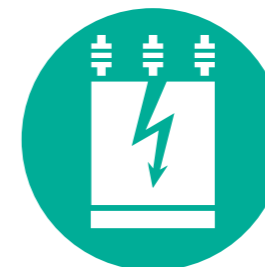
### Gearboxes

Due to our years of experience, we have worked on thousands of gearboxes. We offer a repair, refurbishment and overhaul service on gearboxes of any size, both on and off site.



### Generators

With almost 60 years' experience in this field, we can take care of maintenance, servicing and repairs of your generators. Whether AC/DC, diesel or petrol, Mages has the knowledge and skill set to get you back online.



### Transformers

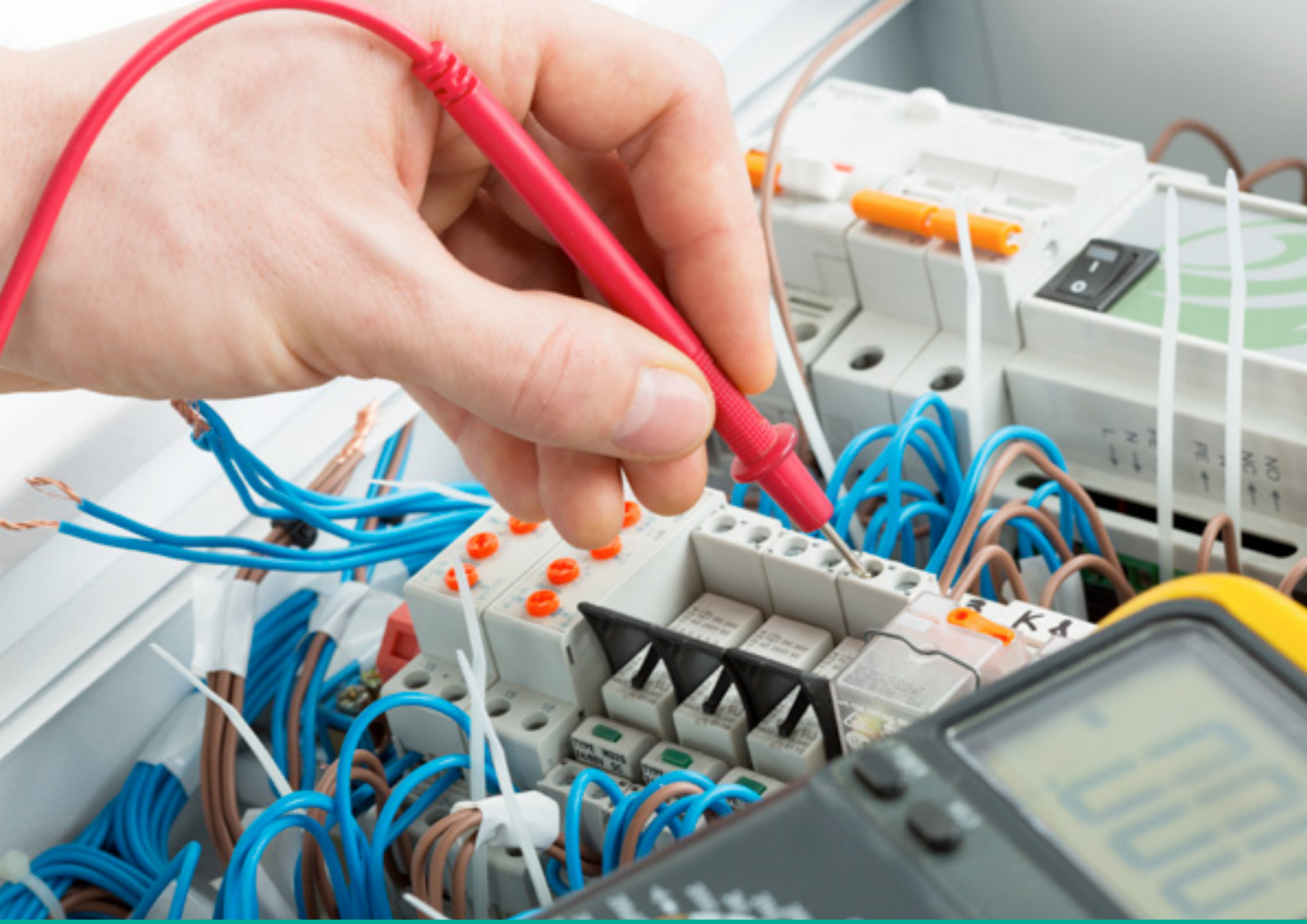
We have the in-house facilities to rewind single phase and three phase transformers up to 300 KVA and above.



### ATEX Approved Engineers

Our engineers hold ATEX repair qualifications. If you have equipment in potentially explosive atmospheres, we have the training and certification to support you with breakdowns and preventive maintenance.





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## Electrical Services

All of our electrical engineers hold valid 17th Edition qualifications.



### Inspections & Testing

We can attend site and provide you with a report on our findings.



### Industrial, Commercial & Domestic

Our 17th edition electricians are very experienced within all sectors of the trade.



### Electrical Contracting

Our electrical division operate a 24 hour call out, 365 days a year to reduce downtime and increase productivity.



### Installations

We can offer tailor made solutions for installations from emergency lighting to machine re-wiring.



### Maintenance

The team is available for all ongoing site projects, improvements and are available for planned maintenance and contract work.



### NIC EIC Accredited

Mages Group is a NIC EIC Accredited company that can certificate all completed works in conjunction with current regulations.





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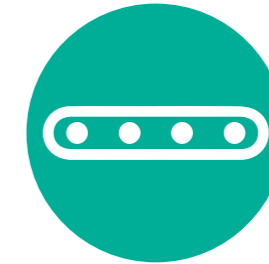
## Mechanical Services

We have a large team of mechanical fitters available 24/7 365 days a year.



### Breakdowns

Mages' 24/7 round the clock breakdown service and workshop backup means we are there to help in any critical downtime situation. All engineers have fully equipped vans to cover all potential site issues.



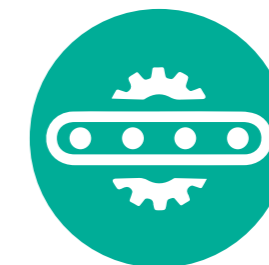
### Conveyors

Conveyor manufacturing, breakdown support, servicing and spares just a phone call away.



### Shut Down Support

With production targets so key in modern society, shut down periods have become an important part of preventive maintenance and breakdown rectification. Mages Group has long supported the South West with additional labour and repairs during these key periods.



### Machine Overhauls

Mages Group can carry out full refurbishment of all types of production and utility equipment. We can upgrade and modify existing machines to restore them to meet current regulations and health and safety requirements.





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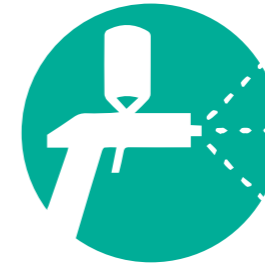
## Machining Services

The Mages Group fully equipped Machine Shop can support all sectors with light, medium and heavy engineering.



### Boring

Our team can carry out horizontal and vertical boring. Horizontal boring; table size 1.4 metres x 1.2 metres and column height of 2 metres. Vertical boring; table size 1.23 metres x 600mm.



### Metal Spraying

We have a full metal spraying facility for the smallest shaft to the largest bearing journals, housing and other components.



### Milling

Mages can carry out a full range of small to medium scale milling. We also have a large milling service coming into operation in the very near future.



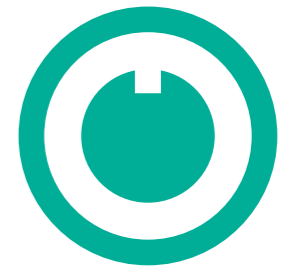
### Turning

We have the in house capacity for light and heavy engineering. Our largest centre lathe can turn components up to 6 metres in length and 1 metre in diameter.



### CNC Turning

This area of the machine shop is ideal for precision items and small/medium size batch work. We can work on the capacity of 2 metre centres and 480mm swing.



### Slotting

Our in house vertical slotting machine can cut key ways of all sizes.



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## Fabrication

We have a large team of coded welders to see any project from the design stage through to manufacture and installation. No job is too big or too small.



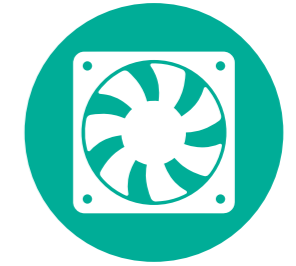
### Bespoke Manufacturing

We can design and manufacture all items in your desired materials.



### M.I.G, T.I.G & ARC

We offer all types of welding.



### Fan Manufacturing

Every application is different when it come to fans. We have the knowledge and consultation to design and manufacture fans to suit all scenarios. All work is carried out in house by Mages engineers.



### General Fabrication

Our fabricator welders are able to manufacture any designs from mild steel, stainless and aluminium.



### On Site

We have the ability to attend site to carry out fabrication works. Our mobile long wheel base vans with built in generators means our operatives have everything to carry out first class fabrications. For example; machine repairs, safety railings and ladders, platforms and stairways etc.





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## Additional Services

Over the years, we have added extra services to our scope of work. We believe this adds value to the support we can offer to our clients.



### Dynamic Balancing

Our in house balancer has the capacity to balance up to 20 ft.



### Facilities Support & Service Plans

Mages has long supported the facilities sector with workshop repairs and on site services. We also work in the sector by carrying out planned service maintenance programmes.



### Grit Blasting

Our in house grit blasting facility can breathe new life into old and worn components. We have the capacity to blast anything from small pumps to large trailers.



### Thermal Imaging

We have supported the South West with TI surveying for many years now. Nearly everything that uses or transmits power gets hot prior to failing. Cost effective power management is critical to maintaining the reliability of your electrical and mechanical

systems. In today's preventive maintenance environment, nobody would argue that infrared thermography is one of the most effective tools to quickly, accurately and safely locate issues prior to failure.



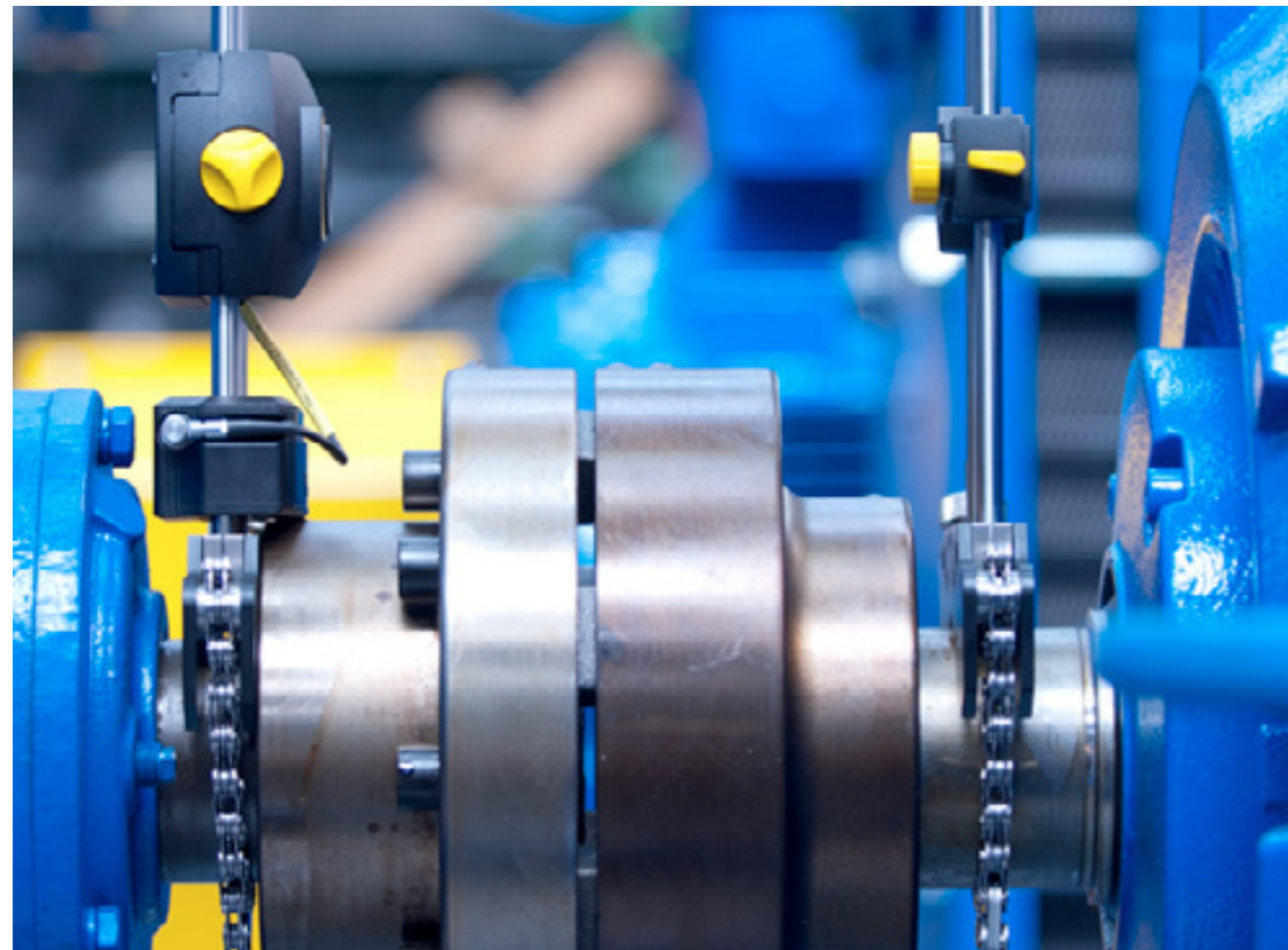
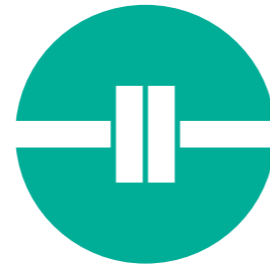
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## Laser Alignment

We have the latest aligning equipment for existing equipment and commissioning.

Laser alignment is the process of aligning two or more shafts with each other to within a tolerated margin. Poorly aligned shafts are responsible for many machine issues. Tests have shown that incorrect alignment is the cause of around 50% of machine breakdowns. Misalignment between the two increases the stress on the shafts and will almost certainly result in excessive wear.

Accurate shaft alignment can improve a plants operating life, reduce cost on replacement components and labour costs. Mages has the equipment and team to cover you in the event you may be in need of this service.



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## Vibration Analysis

The Mages Team has the latest equipment and training to monitor fans, motors, pumps and gearboxes both on and off site.

Vibration Analysis is a form of preventive maintenance and condition monitoring. It aims to reduce maintenance costs and equipment downtime by detecting faults in components.

Mages Group are able to provide a Condition Monitoring program that can be designed and installed to suit every customer's need.

Condition Monitoring makes it possible to detect machine and component problems before the problem results in unanticipated downtime. This enables convenient scheduling of necessary maintenance during planned stoppages.

Although it is natural for machines to vibrate, each machine has a level of vibration that is generated as normal or inherent. However, when machine vibration increases or becomes excessive, a mechanical problem is usually the cause. Modern instrumentation for measuring vibration on rotating and reciprocating machinery makes it possible to detect developing problems, including whether the possible prime cause is electrical or mechanical.







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## Sales

Due to long standing relationships with suppliers, Mages can source all of your equipment, components and engineering essentials.



### Motors (AD/DC)

Mages Group are proud authorised stockists and repair agent of Crompton Greaves motors. In addition, we can source all other types and manufacturers of motors (Single phase, three phase, ATEX, B56 and servo units). For more information, please click on this link or the CG icon on the above toolbar.



### Generators

Our supply range includes petrol generators, diesel generators, long run generators, silent generators, recoil start generators and electric start generators. We can also offer an after sales service contract to prolong the life of your units.



### Motorised Rollers

We can source and repair motorised rollers to minimise downtime.



### Pumps

We can source pumps of all types from the smallest to the largest manufacturers at very competitive prices, due to our long standing relationships with suppliers.



### Gearboxes

Due to our years of experience, we have worked on thousands of gearboxes. We offer a repair, refurbishment and overhaul service on gearboxes of any size, both on and off site.



### Engineering Supplies

Carbon brushes, bearings, capacitors, rollers, couplings, seals, mechanical seals, belts, forced vent fans and much more. Mages is your one stop shop for all engineering components and consumables.



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# Contact

Contact us 24/7, 365 days a year, for any emergency call outs, general enquiries or consultation.

## Email

info@mages-group.com

## General Enquiries

+44 (0) 1934 742 308

## Address

W.Mages (Rewinds) Ltd  
Cheddar Business Park  
Wedmore Road  
Cheddar Somerset  
BS27 3EB

## Website

mages-group.com

## 24hr Breakdown Support

**Mechanical & Electrical**  
07831173488

**Electrical**  
07740828950



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# Accreditations



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# Crompton Greaves



As one of the World's leading engineering corporations, Crompton Greaves provides end-to-end solutions, helping it's customers to use electrical power effectively and to increase productivity with sustainability.

Mages Group are proud to be fully authorised South West stockists and repair agents of Crompton Greaves motors. At our Cheddar facility, we stock 2 and 4 pole motors from 0.18kW to 75kW and 6 pole motors 0.18kW to 4kW. We are able to provide next day delivery on units up to 90kW.

### Crompton Greaves Details:

- Aluminium range from 0.18kW to 7.5kW
- Cast iron range from 11kW to 90kW
- 2 and 4 pole single phase units available
- ATEX series for rugged duty coming soon at Mages Group

### Additional Motor Services:

- Motor modifications - ie. shaft modifications and extensions
- ATEX approved repair engineers
- Confined space engineers for special applications





[mages-group.com](https://mages-group.com)