

INNOVATORS IN TECHNOLOGY

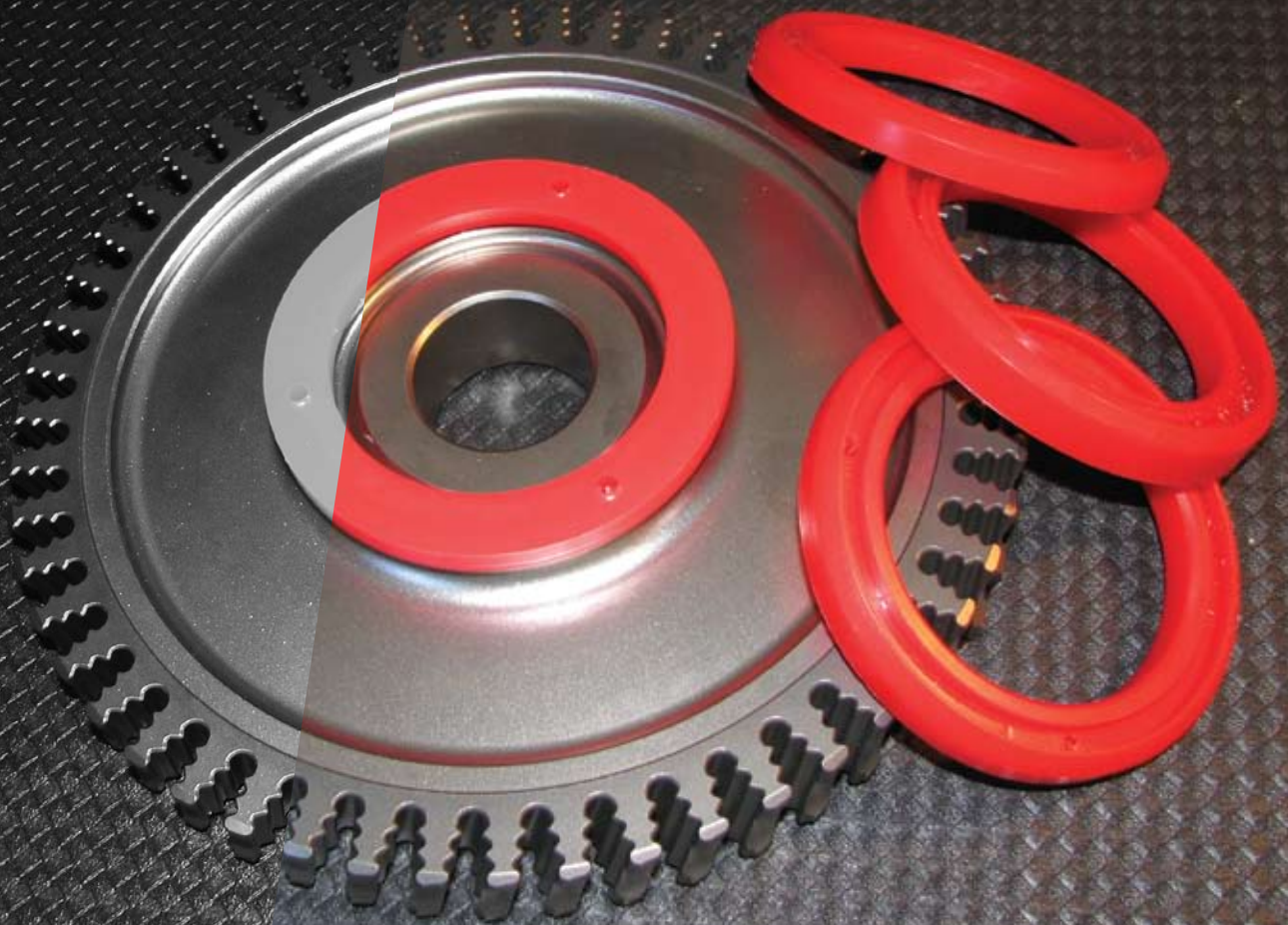


**Metal Improvement
Company**

Subsidiary of Curtiss-Wright Corporation

Peenflex

Component protection



Enhancing the performance
of metals and materials

www.metalimprovement.co.uk

Peenflex mouldings - component protection

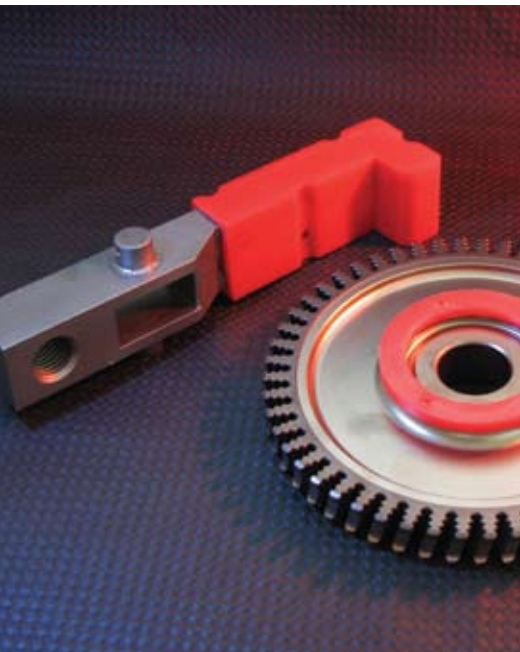


Metal Improvement Company (MIC) is a global organisation specialising in metal and material surface treatments which enhance performance and extend the life of critical components, enabling component designs to achieve their maximum potential.

Established in 1945, MIC has over 60 operating divisions in Europe, USA, Canada and Asia with on-site processing worldwide.

We offer a quality controlled and cost effective service, working in partnership to meet our customer's needs.

MIC division approvals, where appropriate, include: FAA, AS9100, NADCAP, ISO 9001:2000, ISO 9001:2008 plus other specific OEM, company and industry approvals as required.



Metal Improvement Company is a subsidiary of the Curtiss-Wright Corporation, a diversified international provider of highly engineered products and services to the Motion Control, Flow Control and Materials Treatment industries.

www.curtisswright.com

**CURTISS
WRIGHT**

Each year, industry suffers unnecessary delays and costs due to component handling damage.

MIC's peenflex damage and abrasion resistant mouldings are a simple but cost effective solution to the protection of component parts through the various stages of processing, lifting, moving, storage and despatch.

We have applied Peenflex mouldings for many years in the protection of sensitive component areas.

These mouldings form an integral part of the comprehensive tooling and component protection service which has been developed to meet our needs and that of our customers to prevent handling damage.

Using our knowledge and experience, MIC's damage review team is able to

assess component requirements to produce mouldings to meet customers' specific needs and reduce unnecessary costs resulting from damage, delays and rework.

All our mouldings are rigorously tested to ensure a high quality of wear resistance enabling them to be recycled many times through the handling stages, and presenting a cost effective solution to damage prevention.



APPLICATIONS



Typical applications

- Masking of sensitive parts during peening, blasting and coating processes
- Creating wear-resistant inserts to reduce the cost of tooling replacement
- Casting onto lifting equipment to prevent common damage
- Close protection of sensitive inspection equipment, tooling, gauges, expensive cutting tools and masters
- Repairs to existing mouldings
- Replacements for high value components made from similar materials
- Bonding to wheels, rollers and plates

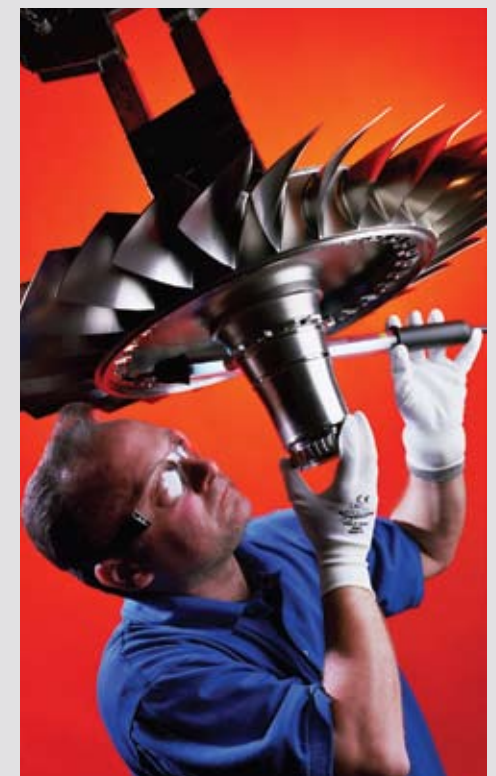
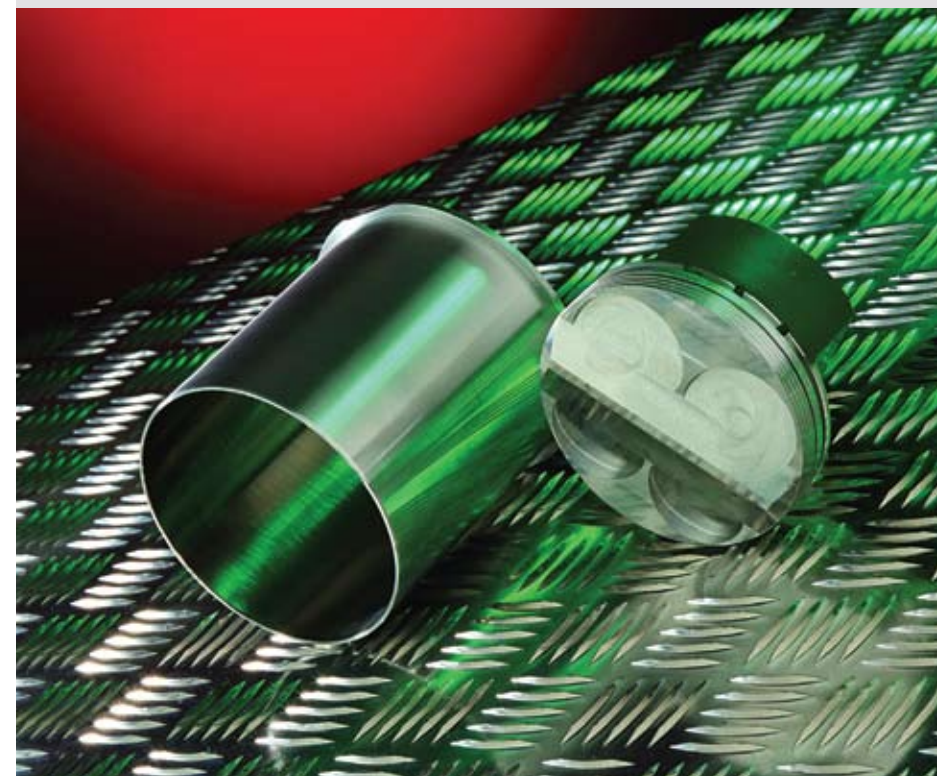
Protection assessment, trial and approval

By studying our customers' components, drawings, processing or handling problems, MIC will accurately assess and propose solutions to reduce damage, inspection and rework costs.

Sample mouldings will then be produced for customers' own in-house assessment and trials.

Following these trials, approval of initial samples and order placement, production volumes will be supplied to meet demand.

This process ensures the development of a high quality and cost effective product designed to meet customers' specific and exacting requirements.



INNOVATORS IN TECHNOLOGY

MIC MARKETS INCLUDE:

- **Aerospace**
- **Architectural**
- **Automotive**
- **Chemical & food processing**
- **General & structural engineering**
- **Marine**
- **Medical**
- **Military**
- **Off-road & earth moving equipment**
- **Oil, gas & petrochemical**
- **Power generation**
- **Railways**

MIC SERVICES INCLUDE:

- **Controlled shot peening**
induces engineered residual compressive stresses
- **Shot peen forming**
creates curvature and corrects distortion
- **Laser peening**
induces deeper residual compressive stresses
- **Engineered coatings**
improves performance, prevents corrosion and aids lubricity
- **C.A.S.E. (isotropic finishing)**
removes surface asperities reducing friction
- **On-site processing**
provides services on customers' own premises
- **Peentex (architectural finishing)**
creates decorative and aesthetic texturing
- **Surface texturing**
applies a textured engineered finish
- **Peenflex mouldings**
protects against processing and handling damage

EUROPEAN CORPORATE OFFICE

Metal Improvement Company
Hambridge Lane, Newbury
Berkshire RG14 5TU, UK
Tel: +44 (0)1635 279621
Email: eurosales@metalimprovement.com
Web: www.metalimprovement.co.uk

USA COMPANY HQ

Metal Improvement Company
80 Route 4 East, Suite 310
Paramus, New Jersey 07652, USA
Tel: +1 (201) 843 7800
Email: info@metalimprovement.com
Web: www.metalimprovement.com

PARENT COMPANY HQ

Curtiss-Wright Corporation
10 Waterview Boulevard, 2nd Floor
Parsippany, New Jersey 07054, USA
Tel: +1 (973) 541 3700
Web: www.curtisswright.com



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