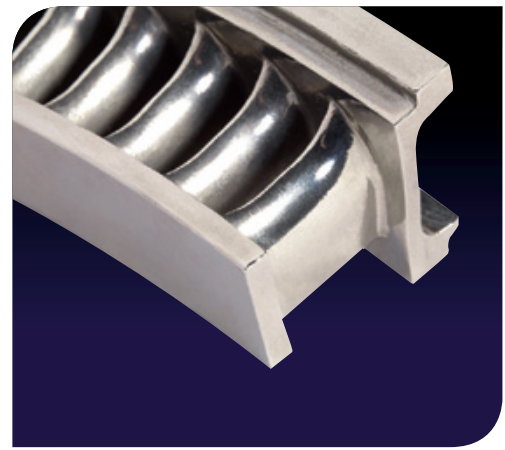




Aerospace



> High precision control of surface roughness

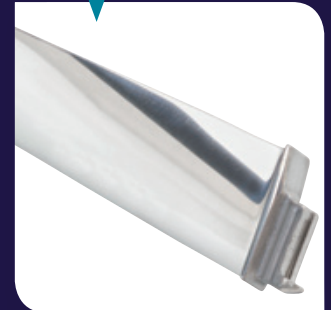
Precision engineered parts such as gas turbine components leave no room for error when it comes to surface treatment. The Micro Machining Process (**MMP**) is a surface finishing technology based upon selective filtration of wavelength ranges of roughness, allowing for the production of very precise and selective surface states.

The results are both uniform and reproducible: **MMP** is an industrial process that ensures total traceability and industrial-grade control of all parameters right up to the final finish.

MMP is highly effective on almost every alloy, regardless of hardness. **MMP** can efficiently treat parts made from any manufacturing method, including forging, casting, machining, EDM/ECM, and additive layer methods (DMLS, SLM, etc.).



MMP



Compressor blade



MMP



Guide vane



DMLS stator ring

> Technical benefits of using **MMP**

- Increased resistance to corrosion
- Reduced friction
- Increased resistance to wear
- Improved aerodynamics

> **MMP** advantages

- Costs and lead-times are predictable and tightly controlled
- Homogeneous finishes can be reproduced to industrial standards for each item
- Treated components can exhibit superior technical performance
- Ensures industrial-standard traceability and uses certified quality procedures.



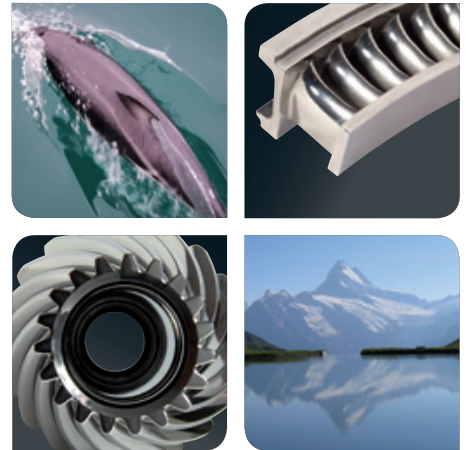
> Applications

- Blades
- Blisks / IBRs
- Stators
- Guide Vanes
- Bearings and gear boxes



> A unique process worldwide

The **MMP TECHNOLOGY®** makes it possible to obtain super-finished surfaces by selective removal of successive “frequency” ranges of surface roughness. This technique enables a level of control that is not possible with traditional polishing methods.

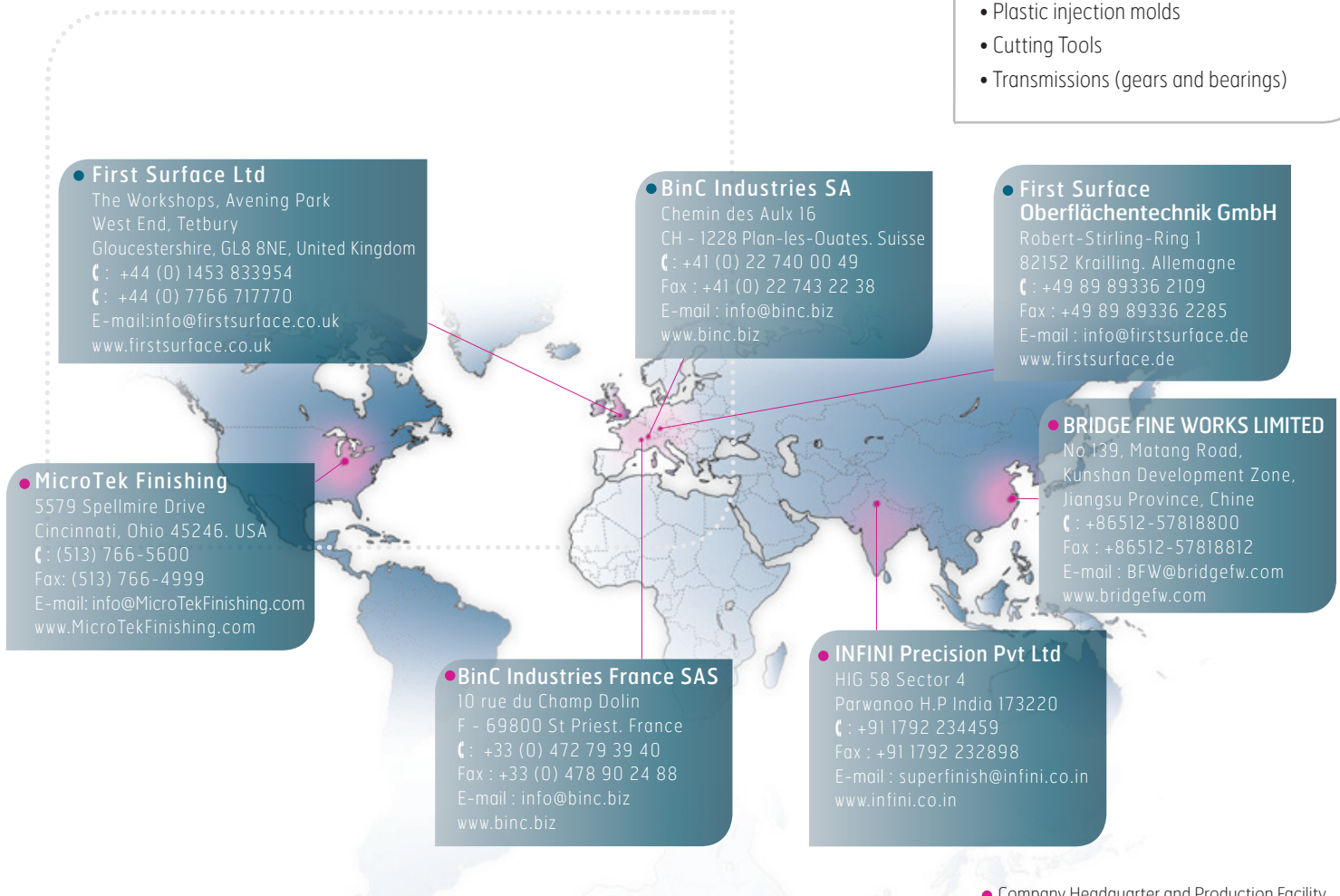


> A global expansion strategy

The **MMP TECHNOLOGY®** process is available exclusively through 7 companies located in Europe, the United States, India and China, as follows :

Seven key markets

- Aerospace
- Forging, Stamping, and Die
- Additive manufacturing
- Medical implants and instruments
- Plastic injection molds
- Cutting Tools
- Transmissions (gears and bearings)



• First Surface Ltd

The Workshops, Avening Park
West End, Tetbury
Gloucestershire, GL8 8NE, United Kingdom
☎ : +44 (0) 1453 833954
☎ : +44 (0) 7766 717770
E-mail: info@firstsurface.co.uk
www.firstsurface.co.uk

• BinC Industries SA

Chemin des Aulx 16
CH - 1228 Plan-les-Ouates. Suisse
☎ : +41 (0) 22 740 00 49
Fax: +41 (0) 22 743 22 38
E-mail : info@binc.biz
www.binc.biz

• First Surface Oberflächentechnik GmbH

Robert-Stirling-Ring 1
82152 Krailling. Allemagne
☎ : +49 89 89336 2109
Fax: +49 89 89336 2285
E-mail : info@firstsurface.de
www.firstsurface.de

• MicroTek Finishing

5579 Spellmire Drive
Cincinnati, Ohio 45246. USA
☎ : (513) 766-5600
Fax: (513) 766-4999
E-mail: info@MicroTekFinishing.com
www.MicroTekFinishing.com

• BRIDGE FINE WORKS LIMITED

No 139, Matang Road,
Kunshan Development Zone,
Jiangsu Province, Chine
☎ : +86512-57818800
Fax: +86512-57818812
E-mail : BFw@bridgefw.com
www.bridgefw.com

• BinC Industries France SAS

10 rue du Champ Dolin
F - 69800 St Priest. France
☎ : +33 (0) 472 79 39 40
Fax : +33 (0) 478 90 24 88
E-mail : info@binc.biz
www.binc.biz

• INFINI Precision Pvt Ltd

HIG 58 Sector 4
Parwanoo H.P India 173220
☎ : +91 1792 234459
Fax: +91 1792 232898
E-mail : superfinish@infini.co.in
www.infini.co.in

- Company Headquarter and Production Facility
- Company Headquarter

