

SPIROL[®] Secondary Operations

We control quality, lead time and cost by performing many secondary finishing operations in-house.

HEAT TREATING

Our statistically capable heat treating process delivers through hardened and case hardened product with precision accuracy and no warpage. We are MIL-H-6875 certified.

GRINDING & LAPPING

For precision thickness, parallelism and flatness requirements, we utilize several grinding techniques. This eliminates the need to purchase expensive small lots of material and shortens lead time.

HIGH SPEED POLISHING

Utilizing the latest "Super 8" vibratory and tumbling technology, we can micropolish surfaces to an 8 micro finish at the lowest cost.

DEBURRING TECHNOLOGY

Our capabilities include vibratory finishing, sanders that also apply rust preventative and special handling for delicate parts. Spirol products are burr-free.

FINISHING

We passivate, chem film and paint many products in-house and have numerous qualified vendors, located close to our facility, that perform special finish services.

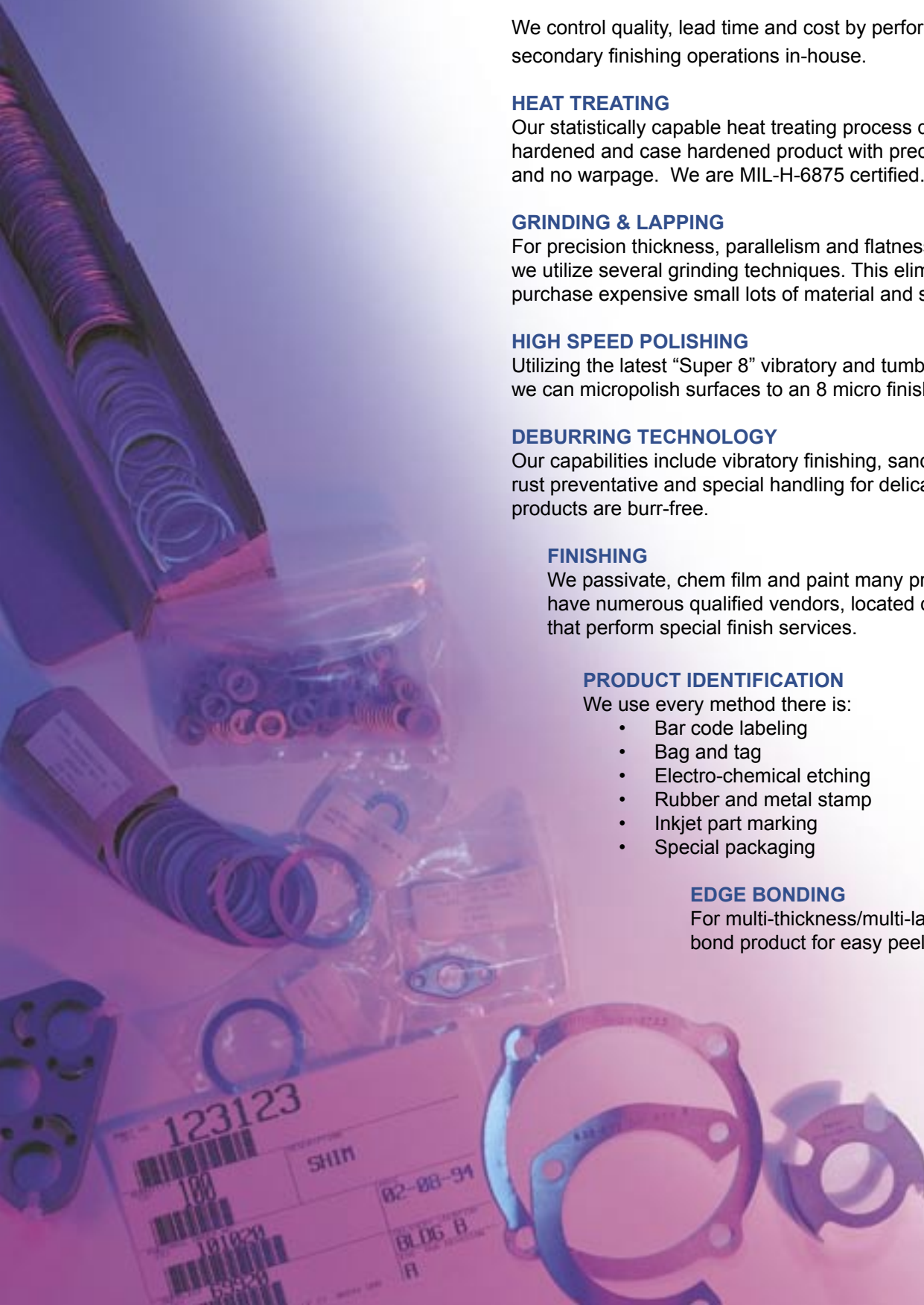
PRODUCT IDENTIFICATION

We use every method there is:

- Bar code labeling
- Bag and tag
- Electro-chemical etching
- Rubber and metal stamp
- Inkjet part marking
- Special packaging

EDGE BONDING

For multi-thickness/multi-layer shims, we edge bond product for easy peel and reusable shims.



SPIROL®

Innovative fastening solutions.
Lower assembly costs.



Challenge Us!

SPIROL Application Engineers will review your application needs and work with your design team to recommend the best solution. One way to start the process is to visit our **Optimal Application Engineering** portal at www.SPIROL.com.

U.S.A. Spirol International Corporation
30 Rock Avenue
Danielson, Connecticut 06239
Tel. +1 (1) 860.774.8571
Fax. +1 (1) 860.774.2048

Spirol West Inc.
1950 Compton Avenue, Unit 111
Corona, California 92881-6471
Tel. +1 (1) 951.273.5900
Fax. +1 (1) 951.273.5907

**Spirol International Corporation
Shim Division**
321 Remington Road
Stow, Ohio 44224
Tel. +1 (1) 330.920.3655
Fax. +1 (1) 330.920.3659

Spirol Distribution
(For Distributor Customers)
30 Rock Avenue
Danielson, Connecticut 06239
Tel. +1 (1) 860.774.8571
Fax. +1 (1) 860.774.0487

Canada Spirol Industries, Ltd.
3103 St. Etienne Boulevard
Windsor, Ontario
Canada N8W 5B1
Tel. +1 (1) 519.974.3334
Fax. +1 (1) 519.974.6550

Mexico Spirol México, S.A. de C.V.
Carretera a Laredo KM 16.5 Interior E
Col. Moisés Saenz
Apodaca, N.L. 66613 México
ó Apdo. Postal 151 de Apodaca, N.L.
Tel. +52 (01) 81 8385 4390
Fax. +52 (01) 81 8385 4391

Europe Spirol Industries, Ltd.
Princewood Road
Corby, Northants
England NN17 4ET
Tel. +44 (0) 1536 444800
Fax. +44 (0) 1536 203415
(UK Distributors: Tel. 0800 3890034)

Spirol SAS
Rue Henri Rol Tanguy
Z.A. Les Naux
51450 Bétheny - Reims
France
Tel. +33 (0) 3 26 36 31 42
Fax. +33 (0) 3 26 09 19 76

Spirol GmbH
Briener Strasse 9
80333 Munich
Germany
Tel. +49 (0) 931 454 670 74
Fax. +49 (0) 931 454 670 75

**Asia Pacific Spirol International Engineered
Fastener Trading Co. Ltd.**
No. 11 Xi Ya Rd. North
Section A, 1F, Building 14
Wai Gao Qiao Free Trade Zone
Shanghai, China 200131
Tel. +86 (0) 21 5046-1451/1452
Fax. +86 (0) 21 5046-1540

e-mail: info@spirol.com

www.SPIROL.com