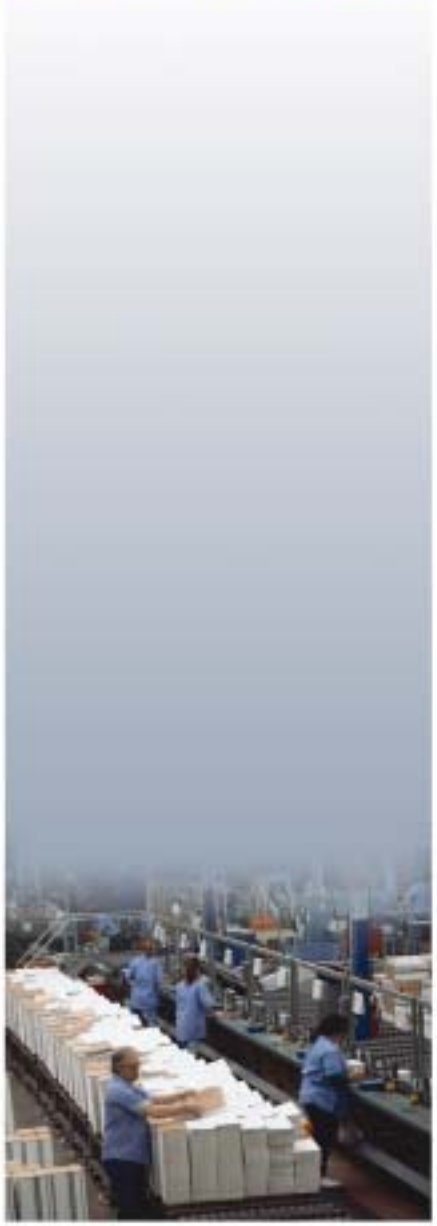
Specialty and Value Added Solutions with
THOMSON PRECISION BALL TECHNOLOGY



THOMSON™
INDUSTRIES, INC.

DISTINCTIVELY SHAPED BALLS

We offer a variety of flat, diagonally cut, cone and pin shaped balls that are typically used as hardened polishing and shaping tools. For example, the diagonally cut and pin shaped balls can be used to polish surfaces with sharp angles. Flat balls are typically used to polish uniformly shaped surfaces such as coins. Sizes range from 1/6 to 1 inch in stainless steel, 52100 chrome, and ceramic materials. Other sizes and materials can be made available to suit your needs. Speak with a Thomson applications specialist to find the product that's just right for you.

DRILLED BALLS

Thomson offers a full range of sizes, hole depths (including thru-hole), diameters and materials. Typical applications include body jewelry, earring posts, rings, seat slides, valves, and automotive engine push rods.

COATED BALLS

Coatings are used to enhance the physical properties of precision balls. These may include added hardness (titanium nitride), corrosion resistance (molybdenum disulfide), noise suppression (rubber), and electrical characteristics (gold plate). Thomson offers a myriad of coatings to meet your needs.

HOLLOW BALLS

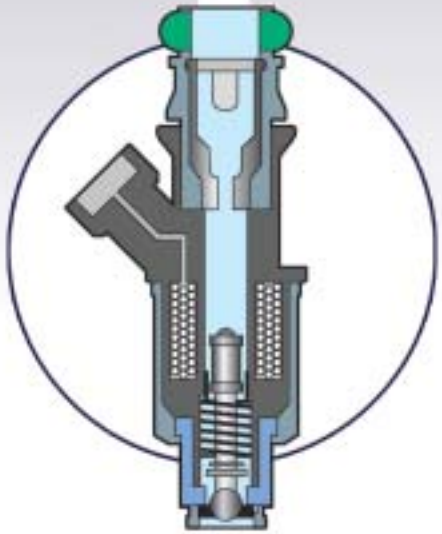
Hollow balls are typically used for weight sensitive applications such as aircraft ball transfer units, liquid float systems, and custom ball valves. We provide 440A stainless steel hollow balls in a variety of sizes.

BALL TRANSFERS

Ball transfers are typically used to assist the transport of various items and are usually found in material handling systems on aircraft, assembly lines, distribution centers, etc. Thomson can provide ball transfers in a variety of sizes, mounting configurations and materials. Further, we can provide complete ball transfer system assemblies. Call us today to discuss your needs.

CUSTOM VALUE ADDED SOLUTIONS

Because we're not just a ball company, we can go beyond this technology to provide subassemblies or complete solutions. We can combine our ball technology with our injection molding, segmented linear bearing, and motion control expertise. We have extensive in-house tool room capabilities and offer rapid prototyping. With manufacturing facilities that span the globe, we can produce and deliver your solution with minimum time and cost.



A2LA CERTIFIED METROLOGY LAB

The Thomson Precision Ball A2LA accredited calibration laboratory offers a unique blend of the finest metrology services – backed by 45 years of ball manufacturing experience unparalleled anywhere. This experience assures you that the techniques used for calibration are effective, efficient and accurate for the spheres being measured, and that the parts do not have form irregularities, which may go undetected at less experienced laboratories.

THOMSON PRECISION BALL TECHNOLOGY

- QS-9000 Certified, ISO 9002 Registered
- TRW Automotive Certificate of Excellence
- A2LA Accredited Metrology Lab
- Three-time GM Supplier of the Year
- Two-time ITT Supplier Gold Award Recipient
- Hollow Stainless Steel Balls
- Ceramic and Specialty Balls
- Worldwide Service and Support
- The Most Complete Variety of Precision Balls, Ball Materials and Technologies Available

THOMSON™ INDUSTRIES, INC.

Thomson Precision Ball offers the most complete variety of ball materials, including (but not limited to):

- 52100 Chrome Steel
- 430, 440A and 440C Stainless Steels
- 302, 302HQ, 316 and 316L Stainless Steels
- Monel and K-Monel
- Brass
- Bronze
- Nylon and Specialty Plastics
- Ceramic
- Titanium
- Ruby-Sapphire

Thomson Industries, Inc.
2 Channel Drive
Port Washington, NY 11050 USA
Phone: 1-800-554-8466
Fax: 1-800-445-0329

EUROPEAN HEADQUARTERS
Thomson IBL
Westacott Road, Barnstaple
North Devon, EX32 8TH England
Phone: + 44 1271 334 500
Fax: + 44 1271 334 502

www.thomsonindustries.com

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THOMSON™ INDUSTRIES, INC.

All Thomson Industries Manufacturing Locations are
ISO 9000 Certified and Automotive Facilities
Operate to QS-9000 Standards
Three-time Winner General Motors Supplier of the Year

ISO 9000