FOUNDORY OPERATIONS
Gray & Ductile Iron Castings

“Pouring iron since 1857”
TB Wood's has been pouring iron since 1857. From the days of cupola melt through the installation of electric furnaces, Wood's has recognized the need for continuous improvement. In keeping with this commitment, the Chambersburg facility received ISO certification in November 1995.

As a leading manufacturer of industrial power transmission products, Wood's has proven its ability to provide and plan for the future. Focused on continued success and prosperity, TB Wood's became a public company February 8, 1996. Listed on NASDAQ under the symbol TBWC.

### RECENT INVESTMENTS

- **AUTOMATIC FURAN NO-BAKE MOLDING LINE**
  - Installed January 2000

- **SOLIDIFICATION MODELING**
  - Purchased August 1999

### COMPANY COMMITMENT

*TB Wood’s Incorporated is committed to delivering high quality, gray and ductile iron castings to the marketplace. We have demonstrated this commitment through process improvements, and ISO 9001 registration. We offer additional value through our extensive machining and engineering capabilities, in conjunction with our proven on-time delivery and short lead times.*

Michael L. Hurt, P.E.
President
ROBERTS SINTO AUTOMATIC DISTINCT ADVANTAGES

- 20” x 24” mold size
- 8”/8” flask size
- 150 lb. max.
- Offset parting capability
- 90 min. mold cooling line
- High mold hardness values (90-95 range)
- Minimum draft requirements
- Near net shape capabilities
- Uniform mold hardness

HERMAN AUTOMATIC

- 34” x 34” mold size
- 10”/10” flask size
- 350 lb. max.
- 2 hour mold cooling line
- Sand cooling & conditioning system

AUTOMATIC FURAN NO-BAKE MOLDING LINE

- Up to 48” x 60” mold size
- 16”/16” Cope and drag
- Palmer 45 ton per hour Heater/Cooler/Classifier
- CE Cast 600 lb/min mixer
- Castech catalyst and binder control
CONTROL:
- Automatic bond determinator
- Automatic moisture control
- Automatic batch testing
- Automatic adjustments
- Computerized SPC

TESTING:
- Green Strength
- Compactability
- Methylene blue
- Moisture
- Shear Strength
- Grain Fineness
- Acid demand value

COREMAKING
- Batch mixers
- Continuous mixers
- Double-core ovens
- Core blowers
- Oil sand
- No bake
- Shell
- Warm box
METALLURGICAL TESTING

- Wet & Dry lab
- Spectrometer
- Computerized SPC
- Hardness testing
- Tensile test bars
- Carbon determinator
- Microstructure analysis
- Immediate testing on test bars

IRON CLASSES
- Gray Iron Class 25, 30, 35, 40
- Ductile Iron Class 60-40-18
  65-45-12
  80-55-06
  100-70-03

MELTING

3 – 30/40 ton Ajax channel furnaces
1 – 15/22 ton Ajax channel furnace
2 – Preheaters

TIGHT METALLURGICAL CONTROL = EXCEPTIONAL MACHINEABILITY
ENGINEERING QUALITY CONTROL

CAPABILITIES

- Work Cells
- Turning (up to 108”)
- Milling (up to 64”x 40”)
- Drilling
- Tapping
- Broaching
- Balancing
- Painting
- Assembly

SYSTEMS

- CAD/CAM
- 3-Dimensional
- Auto Cad

QUALITY CONTROL

- CMM
- Gage Calibration
- Automatic CMM
CAPABILITY SUMMARY

◆ Gray & Ductile Iron

◆ High Production Automatic Molding
  - Roberts Sinto 20 x 24 8/8
  - Herman 34 x 34 10/10

◆ No bake molding
  - Up to 48" x 60" 16/16

◆ Floor molding (up to 108" dia.)

◆ 6 Machining Facilities

◆ Foundry operations in
  Pennsylvania & Mexico

◆ Complete-to-Print Capability
  Proven on-time delivery

QUALITY PEOPLE - QUALITY PRODUCTS

◆ ISO 9001

◆ “QUEST” TQM Teams

◆ DEMOS Attribute SPC

◆ Apprenticeship Program

◆ Employee of the Month

◆ Small Group Meetings

“QUEST”
Quality United with Excellence Shaping Tomorrow

SAFETY & ENVIRONMENTAL RESPONSIBILITY

“It’s TB Wood’s NATURE”

◆ State Certified Employee Safety Committee

◆ Adopt-A-Stream Program

◆ Beneficial Reuse Program
Canada
T.B. Wood’s Canada Ltd.
750 Douro Street
Stratford, Ontario, Canada N5A 6V6
Telephone: 519-271-5380
FAX: 519-271-3094

Germany
Berges electronic GmbH
A TB Wood’s Company
IndustriestrBe13
D-51709 Marienheide, Germany
Telephone: 49-2264-17-0
FAX: 49-2264-17126

India
TB Wood’s (India) Private Limited
No. 27A, 2nd Cross
Electronic City, Hosur Road
Bangalore, 561 229 India
Telephone: 91-80-8520-123
FAX: 91-80-8520-124

Italy
Berges electronic s.r.l
A TB Wood’s Company
Via Zona Industriale, 11
I-39025 Naturno, Italy
Telephone: 39-0473-67-1911
FAX: 39-0473-67-1909

Mexico
TB Wood’s (México) S.A. de C.V.
Oriente 237 No. 171
Colonia Agrícola Oriental
08500 Mexico, D.F. Mexico
Telephone: 52-55-5558-1620
FAX: 52-55-5756-0674

Other TB Wood’s Locations
Chattanooga, Tennessee
Edmonton, Canada
Montreal, Canada
Mt. Pleasant, Michigan
San Marcos, Texas
Reno, Nevada

TB Wood’s Incorporated Headquarters
440 North Fifth Avenue
Chambersburg, Pennsylvania 17201-1778
Telephone: 888-TBWOODS or 717-264-7161
FAX: 717-264-6420
Website: www.tbwoods.com
Email: info@tbwoods.com

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