SIMPSON TECHNOLOGIES CORPORATION
Corporate Profile – 2012

Celebrating 100 Years of Service to the Global Metalcasting Industry
Simpson Technologies Corporation
A Five Generation Family Owned Business Since 1912

Left
Peter L. Simpson traveled from Scotland to Canada and finally the United States to begin Simpson Technologies in 1912.

Left and below
The original product was the Simpson Mix-Muller. Tens of thousands of Simpson mixers have been supplied to industries worldwide.

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Peter L. Simpson traveled from Scotland to Canada and finally the United States to begin Simpson Technologies in 1912.
Our Mission

To achieve consistent, profitable growth for our stakeholders through the innovative design, efficient manufacture and superior technical support of high quality engineered products for industrial applications in global markets, with emphasis on continually strengthening our position as a leading supplier to the foundry industry.
Simpson Technologies Value Proposition

A Global Brand

Every Foundry is Different

To obtain the full potential from any green sand molding plant Simpson Technologies brings a full portfolio of continually advancing technologies that can be matched to the specific needs of the foundry. Whether the application is for a small jobbing steel foundry or a high production automotive iron or aluminum foundry we deliver an optimized solution in order to maximize your competitiveness and profitability. Specializing in the field of molding sand preparation and control, Simpson Technologies builds on nearly 100 years of experience providing innovative, integrated technologies with uniquely effective performance to the world’s metal casting industry. By continuously developing a full range of proven, integrated sand preparation & control technologies Simpson can benefit any size or type of foundry by providing a complete solution from a single source that best:

- gives consistently high quality sand preparation system performance with minimal process variation, and
- minimizes the total cost of operation in terms of supervision, energy, raw materials and maintenance, and
- minimizes the total capital cost to acquire and install the equipment.

These benefits create value for a foundry by enabling it to produce molding sand which maximizes the potential of their casting plant to produce high value, high profit metal castings.
A Global Brand – The largest portfolio of sand preparation and control equipment in the world.

Growth through Acquisition
- Dietert automation products (1995)
- Beardsley & Piper LLC (1998)
- R. Gerosa SRL sand laboratory equipment (1999)
- Hartley Controls Corporation (2000)
- +GF+/DISA sand laboratory equipment (2008)

Growth through Strategic Alliances/Joint Ventures
- Sintokogio, Ltd. (Licensee in Japan - 1960)
- Wesman Simpson Technologies Pvt. Ltd. (Joint Venture - 1998)
- Küttner do Brasil (Licensee in Brazil - 1999)

Growth through Internal Product Development
- Simpson CSM series core sand mixers (1993)
- B&P 150B Speedmullor (1999)
- Many items of sand testing equipment (1991 – 2012)
Simpson Technologies
A Global Brand

Simpson Technologies Corp.
■ Aurora, Illinois (1912)

Simpson Technologies GmbH
■ Steinhausen, Switzerland (1967)

Wesman Simpson Technologies Pvt. Ltd.
■ Calcutta, India (1998)

Sintokogio, Ltd.
■ Nagoya, Japan
■ Licensee since 1960

Ricardo Gerosa SRL
■ Rosario, Argentina
■ Partner since 1991

Küttner do Brasil
■ Sao Paulo, Brazil
■ Licensee since 1999
Simpson Technologies
Region 1 – North America

Simpson Technologies Corporation
751 Shoreline Drive
Aurora, IL 60504-6194
United States of America
Tel: (630) 978-0044
Fax: (630) 978-0068
Simpson Technologies GmbH
Global Simpson – In Europe, Africa, The Middle East & Russia

Simpson Technologies GmbH
Sennweidstrasse 43
CH-6312 Steinhausen, Switzerland
Tel: +41 (41) 711 1555
Fax: +41 (41) 711 1387
Mr. Fred Aufdermaur, General Manager

SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS
WWW.SIMPSONGROUP.COM
Mr. Jose Lobo - General Manager of Sinto de Mexico, Mr. Bruce Dienst - President & COO of Simpson Technologies and Jörg Hagedorn - Managing Director of Küttner do Brasil stand in front of a recently completed Model #85B Speedmullor produced for the SADA Siderurgia foundry by Küttner in Brazil.
Simpson Technologies
Region 5 – Asia

Sintokogio Ltd
7-23, 4-chome, Mei-eki, Nakamura-ku,
Nagoya 450-0002
Japan
Tel: (81)-52-582-9211
Fax: (81)-52-586-2279
Mr. Atchi Nagai, President
EQUIPMENT

• #100B-250 Simpson Speedmullor (2x)
• #18Mk2/2552 Simpson+Hartley Compactability Controller (2x)

Fukushima Steel Works Co. Ltd

EQUIPMENT

• #100B-250 Simpson Speedmullor
• #18Mk2/2552 Simpson+Hartley Compactability Controller

MANUFACTURED IN JAPAN UNDER LICENSE BY

Sintokogio Ltd. – Nagoya, Japan

SysteM Simpson... optimized solutions designed for specific needs
Simpson Technologies Corporation

Strategy: Simpson Solutions
Sand Preparation - System Simpson
Optimized Solutions Designed for Specific Needs

A. COOLING AND PRE-CONDITIONING

B. MULLING & CONTROL
1. SIMPSON MIX-MULLER®
   BATCH MULLING FOR SMALL + MEDIUM SAND SYSTEMS
2. B&P SPEEDMULLOR®
   BATCH MULLING FOR MEDIUM + LARGE SAND SYSTEMS
3. SIMPSON MULTI-MULL®
   CONTINUOUS MULLING FOR LARGE SAND SYSTEMS

C. MOLDING

SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS
WWW.SIMPSONGROUP.COM
System Simpson - **Simpson Multi-Cooler**®

**Pre-Conditioning makes you more Competitive**

**DESCRIPTION**
Continuous sand cooling and pre-conditioning system operating on the principal of evaporative cooling

**APPLICATION**
Sand systems with return sand temperatures above 49˚ C and/or wide variations in return sand properties.

**FEATURES**
- Intensive pre-mixing of return sand with back-blending and a controlled retention system.
- High efficiency, low cost evaporative cooling of sand to below 49˚ C or 10˚ C above ambient, whichever is higher.
- Discharge moisture increased and stabilized at 2.0% +/- 0.2%
- Rugged design for low cost of operation and dependability.
- Seven (7x) production models from 22 tph to 270 tph capacities depending upon the application.

**SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS**

**WWW.SIMPSONGROUP.COM**
System Simpson - Simpson Mix-Muller®

Versatility makes you more Competitive

DESCRIPTION
Medium-speed, high-intensity, muller-type mixer for batch operation

APPLICATION
Small to medium sized sand preparation systems, and the most difficult mixing applications.

FEATURES
• Adaptive tooling changes to mix requirements automatically
• Power of Mulling provides maximum energy efficiency
• Larger batch and longer cycle times for better control in difficult applications
• Rugged design for dependability
• Integrated with Hartley 18Mk2/2552 on-line compactability control system
• Seven (7x) production models up to 3,810 kg. batch size
System Simpson – Speedmullor®
PRODUCTIVITY makes you more Competitive

DESCRIPTION
High-speed, high-intensity, muller-type mixer for batch operation

APPLICATION
Medium-to large-sized sand preparation systems that still require some versatility in throughput or product produced.

FEATURES
• The ORIGINAL Speedmullor designed by Beardsley & Piper and installed in more than 1,000 foundries worldwide
• High productivity from short cycle times
• More energy efficient than turbine mixers
• Integrated with inlet blower to provide secondary cooling
• Integrated with Hartley 18Mk2/2552 on-line compactability control system
• Seven (7x) production models up to 3,400 kg. batch size

WWW.SIMPSONGROUP.COM
System Simpson – Simpson Multi-Mull®
EFFICIENCY makes you more Competitive

DESCRIPTION
Medium-speed, high-intensity, muller-type mixer for continuous operation

APPLICATION
Medium-to large-sized sand preparation systems with consistently high production volumes seeking maximum efficiency and the least cost of operation.

FEATURES
• The only continuous mixer widely accepted for the production of bentonite bonded molding sand
• Counter rotating mixing tool sets provide continuous back-blending of material flowing through the mixer.
• Retention time is automatically controlled to maintain consistency.
• The most energy efficient molding sand mixer in the world
• Integrated with Hartley 17Mk2/2552 on-line compactability control system
• Eight (8x) production models up to 400 tph
System Simpson – Simpson+Hartley®
CONSISTENCY makes you more Competitive

DESCRIPTION
A complete mixer group control and automation system.

APPLICATION
For the automation and control of mix preparation and machine function for any make and model of green sand mixer.

FEATURES
• 4th generation design developed from the experience of more than 500 installations in more than 30 countries in all types of foundries and all types of mixers.
• Rugged design is easy to operate and maintain
• Provides complete automation and control of all mixer group functions
• Typical performance in fully automatic operation is to control compactability to +/- 3 points in 90%+ of tests
• Two (2x) models, each available in batch and continuous mixer versions, are easily adapted to any application.
System Simpson – **Simpson Pro-Claim®**

**RECYCLING makes you more Competitive**

**DESCRIPTION**
Continuous, fully automatic, sand reclaimer operating on the principle of pneumatic scrubbing.

**APPLICATION**
Bentonite bonded or chemically bonded sand systems in any size or type of foundry.

**FEATURES**
- 3rd generation design based on the experience of more than 500 installations since including applications in nearly every combination of binder system, sand type and foundry.
- Intensive cleaning of individual sand grains is accomplished with simple and inexpensive pneumatic scrubbing.
- Adjustable gates allow users to easily change the retention time to obtain optimal reclamation performance.
- Operation is continuous and requires no operator.
- Demonstration and testing laboratories in the United States and Europe are available to verify system performance on your sand.
- Three (3x) production models provide capacity of up to 10 tph depending on the application.

**SYSTEM SIMPSON...** [Optimized Solutions Designed for Specific Needs]

**www.simpsongroup.com**
System Simpson – Simpson+Gerosa®

KNOWLEDGE makes you more Competitive

DESCRIPTION
A complete line of more than 70 advanced instruments and accessories for foundry sand testing.

APPLICATION
Precision testing of all properties of foundry molding sand, core sand and raw materials.

FEATURES
• More advanced, digital electronic designs are more accurate and more repeatable than conventional sand testing equipment designs.
• Easy to use and calibrate to traceable standards.
• An important quality control tool for every foundry that is economical to purchase and operate.
• Improved capabilities provide for better sand testing procedures than what is possible with older design technology.
System Simpson – Simpson sand testing
KNOWLEDGE makes you more Competitive

DESCRIPTION
A complete line of more than 50 advanced instruments, former +GF+ DISA design, and accessories for foundry sand testing.

APPLICATION
Precision testing of all properties of foundry molding sand, core sand and raw materials.

FEATURES
• Easy to use and calibrate to traceable standards.
• An important quality control tool for every foundry that is economical to purchase and operate.

+GF+

SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS
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Simpson Technologies Corporation

Strategy: Simpson Service
Simpson Service

33,000 Sq. Ft. (3,065 m²) US Headquarters, warehouse and research laboratory (built 1990)

9,500 Sq. Ft. (900 m²) CH Headquarters, warehouse and laboratory

Primary Technology Systems
- Microsoft Dynamics AX 2012 ERP system
- Microsoft® Windows based network with MS Office business software
- Microsoft® CRM system
- www.simpsongroup.com
- CAD Based Engineering
  - Solidworks
  - AutoCad
- Desk-Top Publishing
  - Maintenance Instructions
  - Technical Documentation

Shown here is a view of our parts distribution warehouse in suburban Chicago, IL USA with more than $2 million in replacement parts inventory for all Simpson equipment available for immediate dispatch worldwide.
Simpson Technologies Corporation

Strategy: Simpson Leads
Simpson Leads in the Metalcasting Industry

American Foundry Society
Peter L. Simpson Gold Medal
National Presidents -
• Herbert Simpson (41-42)
• Bruce Simpson (55-56)
• Henry Dienst (96-97)

Casting Industry Suppliers Assoc.
Founding Member (1919)
National Presidents -
• Herbert Simpson (31-32)
• Henry Dienst (78-80)
• Bruce Dienst (94-95)

Foundry Educational Foundation
Founding Member (1947)
National Presidents –
• Bruce Dienst (04-05)
The Peter L. Simpson Gold Medal is one of five such medals given as the highest honor awarded an individual in the US Foundry Industry.

Peter L. Simpson Memorial Scholarship Fund at the Robert R. McCormick School of Engineering and Applied Science Northwestern University – Evanston, IL USA

In 2009 Simpson established the Peter L. Simpson Endowment at the Foundry Educational Foundation with a donation of over $700,000 to provide annual funding for research in molding sand preparation and control by leading American universities.

The Peter L. Simpson Gold Medal is one of five such medals given as the highest honor awarded an individual in the US Foundry Industry.
Charlotte Pipe & Foundry Co.
Charlotte, NC USA

APPLICATION
• Ductile Iron castings
• DISA 2013Mk5 (2x) molding line

EQUIPMENT
• #MC-150 Simpson Multi-Cooler
• #23G-250 Simpson Multi-Mull
• #17Mk2-2552 Simpson+Hartley Compactability Control (2x)
• Simpson+Gerosa sand laboratory

PRODUCTIVITY makes you more competitive

SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS
WWW.SIMPSONGROUP.COM
EQUIPMENT

• #MC-250 Simpson Multi-Cooler
• #23G-250 Simpson Multi-Mull
• #3818 Simpson+Dietert Compactability Control
• Simpson+Gerosa sand laboratory
• Simpson CSM Core Sand Preparation System

APPLICATION

• Ductile Iron castings
• DISA 2070Mk5 molding line

PRODUCTIVITY makes you more competitive
ASAMA Coldwater Manufacturing
Coldwater, MI USA

APPLICATION
• Iron castings
• +GF+ Impact molding line

EQUIPMENT
• #MC-100 Simpson Multi-Cooler
• #6G Simpson Mix-Muller
• #18Mk2-2552 Simpson+Hartley Compactability Control
• #90Mk2 Bond Dosing System
• Simpson+Gerosa sand laboratory

PRODUCTIVITY makes you more competitive

SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS
WWW.SIMPSONGROUP.COM
ThyssenKrupp Waupaca Foundry  Etowah, TN USA

EQUIPMENT
• #MC-300 Simpson Multi-Coolers (2x)
• #150B Beardsley & Piper Speedmullor (5x)
• Simpson+Gerosa sand laboratory

APPLICATION
• Grey & Ductile Iron castings
• 4x DISA type molding lines

SALES PARTNER

PRODUCTIVITY makes you more competitive
Goldens Foundry & Machine Co.  Cordele, GA USA

APPLICATION
• Ductile Iron castings
• Savelli molding line

PRODUCTIVITY makes you more competitive

EQUIPMENT
• #MC-150 Simpson Multi-Cooler
• #100B-250 Beardsley & Piper Speedmullor (2x)
• #18Mk2-2552 Simpson+Hartley Compactability Control (2x)
• #90Mk2 Bond Dosing System (2x)
• Simpson+Gerosa sand laboratory

SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS
WWW.SIMPSONGROUP.COM
DEPARTMENT

EQUIPMENT
• #MC-250 Simpson Multi-Cooler
• #150B Beardsley & Piper Speedmullor (2x)
• #3818-NT Simpson+Dietert Compactability Control (2x)
• Simpson+Gerosa sand laboratory

APPLICATION
• Grey & Ductile Iron municipal castings
• HWS molding line

PRODUCTIVITY makes you more competitive

SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS
M&H Valve Co.
Anniston, AL USA

APPLICATION
• Ductile Iron castings
• Model 250 DISA molding lines

PRODUCTIVITY makes you more competitive

SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS

2005
CIFUNSA SA de CV
Irapuerto, Mexico

APPLICATION
• Ductile Iron castings
• 230 & 2070B DISA molding lines

EQUIPMENT
• #100B-250 B&P Speedmullor (2x)
• #18Mk2-2552 Simpson+Hartley Compactability Control (2x)
• #90Mk2-5 Bond Dosing System (2x)
• Simpson+Gerosa sand laboratory

PRODUCTIVITY makes you more competitive

SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS
WWW.SIMPSONGROUP.COM
Teksid de Mexico
Monclova, Coah. Mexico

APPLICATION
• Ductile Iron castings
• HWS molding line

EQUIPMENT
• #MC-250 Simpson Multi-Cooler
• #26G-350 Simpson Multi-Mull
• #3818 Simpson+Dietert Compactability Control
• Simpson+Gerosa sand laboratory

PRODUCTIVITY makes you more competitive

SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS
WWW.SIMPSONGROUP.COM
Novocast Foundry SA de CV
Monterrey, NL Mexico

APPLICATION
• Ductile Iron castings
• 230 tph sand plant for an HWS Seiatsu molding line

PRODUCTIVITY makes you more competitive

EQUIPMENT
• #MC-250 Simpson Multi-Cooler
• #150B B&P Speedmullor (2x)
• #3818 Simpson+Dietert Compactability Control (2x)
• Simpson CSM Core Sand Preparation System
• Simpson+Gerosa sand laboratory

SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS
WWW.SIMPSONGROUP.COM
Technocast SA de CV
Saltillo, Coah. Mexico

APPLICATION
• Ductile Iron castings
• Kunkel-Wagner molding line

EQUIPMENT
• #MC-300 Simpson Multi-Cooler
• #150B B&P Speedmullor (2x)
• #18Mk2-2552 Simpson+Hartley Compactability Control (2x)
• #90Mk2-5 Bond Dosing System (2x)
• Simpson+Gerosa sand laboratory

PRODUCTIVITY makes you more competitive

SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS
WWW.SIMPSONGROUP.COM
Girlock SA (Pty) Ltd.
Isando, South Africa

APPLICATION
• Ductile Iron castings
• DISA 2013Mk5 molding line

EQUIPMENT
• #MC-100 Simpson Multi-Cooler
• #85B Beardsley & Piper Speedmullor
• #18Mk2-2552 Simpson+Hartley Compactability Control
• #90Mk2 Bond Dosing System

PRODUCTIVITY makes you more competitive

SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS
WWW.SIMPSONGROUP.COM
Trakya Döküm San. ve Tic. A.Ş.
Luleburgaz Kırklareli, Turkey

APPLICATION
• Automotive castings
• Disamatic molding line

EQUIPMENT
• #MC-200 Simpson Multi-Cooler
• #100B-250 Beardsley & Piper Speedmullor
• #2552 Simpson+Hartley Compactability Controller
• #90Mk2 Simpson+Hartley bond dosing system

SALES PARTNER
FOSTEMA Ltd. Şti.

PRODUCTIVITY makes you more competitive

SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS
WWW.SIMPSONGROUP.COM
APPLICATION
- Grey & Ductile Iron castings
- Hunter molding lines

SALES PARTNER
FOSTEMA Ltd. Şti.

PRODUCTIVITY makes you more competitive
Erkunt Sanayi A.Ş.
Ankara, Turkey

APPLICATION
• Engine blocks & automotive castings
• HWS Seiatsu molding line

EQUIPMENT
• #MC-150 Simpson Multi-Cooler
• #150B Beardsley & Piper Speedmullor
• #2552 Simpson+Hartley Compactability Controller
• #90Mk2 Simpson+Hartley bond dosing system

SALES PARTNER
FOSTEMA Ltd. Şti.

PRODUCTIVITY makes you more competitive

SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS
WWW.SIMPSONGROUP.COM
Leszczynska Fabryka Pomp Sp. Leszno, Poland

EQUIPMENT
- (2x) 2-Cell Simpson Pro-Claim

APPLICATION
- Green sand to core sand reclamation
- Combination mechanical/thermal reclamation plant

SALES PARTNER
IMF Srl. - Italy

PRODUCTIVITY makes you more competitive
Scania CV AB
Södertälje, Sweden

APPLICATION
• Iron automotive castings
• Webac 100B Speedmullor mixer

PRODUCTIVITY makes you more competitive

SALES PARTNER
Karlebo Gjuteriteknik AB

EQUIPMENT
• #2552 Simpson+Hartley Compactability Controller

www.scania.com
Roslagsgjuteriet AB
Herräng, Sweden

APPLICATION
• Iron automotive castings
• Webac 66B Speedmullor mixer

SALES PARTNER
Karlebo Gjuteriteknik AB

PRODUCTIVITY makes you more competitive

EQUIPMENT
• #2552 Simpson+Hartley Compactability Controller

www.roslagsgjut.se
Vestas Nacelles A/S
Sweden, Norway & China

EQUIPMENT

• Four large sets of Simpson sand laboratory equipment including both former +GF+ and Simpson Gerosa machines

APPLICATION

• Vestas is a leading supplier worldwide of windmills. The equipment purchased is to equip a sophisticated chemically bonded sand testing laboratories in their facilities in four countries.

SALES PARTNER
Karlebo Gjuteriteknik AB

PRODUCTIVITY makes you more competitive

Euro 140,300 (US$ 178,440)
Hansgrohe AG
Schiltach, Germany

EQUIPMENT
• A large set of Simpson sand laboratory equipment including a PVF-C Mini-Lab

APPLICATION
• Hansgrohe develops, manufactures and sells products concerned with sanitation technology under four brand names

SALES PARTNER
Simpson Technologies – Steinhausen, Switzerland

Euro 27,689 (US$ 35,290)

www.hansgrohe.com

PRODUCTIVITY makes you more competitive

SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS

WWW.SIMPSONGROUP.COM
Federal Mogul Corporation
Patiala, Punjab, India

APPLICATION
• piston rings & cylinder liners
• SPM Stack molding machines
• 28 TPH capacity sand plant

EQUIPMENT
• #75B Beardsley & Piper Speedmullor
• #2552 Simpson+Hartley Compactability Controller
• #90Mk2 Simpson+Hartley bond dosing system

SALES PARTNER
Wesman Simpson Technologies Pvt. Ltd.

PRODUCTIVITY makes you more competitive

WESMAN SIMPSON

PRODUCTIVITY makes you more competitive

SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS

WWW.SIMPSONGROUP.COM
Federal Mogul Corporation
Bangalore, Karnataka, India

APPLICATION
- piston rings & cylinder liners
- SPM Stack molding molding machines
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EQUIPMENT
- #75B Beardsley & Piper Speedmullor
- #2552 Simpson+Hartley Compactability Controller
- #90Mk2 Simpson+Hartley bond dosing system

SALES PARTNER
Wesman Simpson Technologies Pvt. Ltd.

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www.simpsongroup.com

SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS

Siloé Cerise S.A.
Brazil

EQUIPMENT
• #45B Beardsley & Piper Speedmullor

APPLICATION
• foundry

SALES PARTNER
Küttner do Brasil Equipamentos Siderúrgicos Ltda.

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SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS

WWW.SIMPSONGROUP.COM
MAHLE Metal Leve S.A.
Mogi Guaçu (SP) Brazil

EQUIPMENT
• #85B Beardsley & Piper Speedmullor

APPLICATION
• Automotive castings

SALES PARTNER
Küttner do Brasil Equipamentos Siderúrgicos Ltda.

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SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS

WWW.SIMPSONGROUP.COM
EQUIPMENT
• #85B Beardsley & Piper Speedmullor

APPLICATION
• Automotive castings

SALES PARTNER
Küttner do Brasil Equipamentos Siderúrgicos Ltda.

PRODUCTIVITY makes you more competitive

SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS
WWW.SIMPSONGROUP.COM
Fundição Alca Ltda.
Nova Petópolis (RS) Brazil

EQUIPMENT
• #55B Beardsley & Piper Speedmullor

APPLICATION
• Automotive castings

SALES PARTNER
Küttner do Brasil Equipamentos Siderúrgicos Ltda.

PRODUCTIVITY makes you more competitive

SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS
WWW.SIMPSONGROUP.COM
EQUIPMENT
• #150B Beardsley & Piper Speedmullor

APPLICATION
• electric motor castings

SALES PARTNER
Küttner do Brasil Equipamentos Siderúrgicos Ltda.

PRODUCTIVITY makes you more competitive

SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS

WWW.SIMPSONGROUP.COM
Cercena S/A Indústria Metalúrgica
Erechim, (RS) Brazil

**APPLICATION**
- Automotive castings

**EQUIPMENT**
- #75B Beardsley & Piper Speedmullor

**SALES PARTNER**
Küttner do Brasil Equipamentos Siderúrgicos Ltda.

**PRODUCTIVITY** makes you more competitive

**SYSTEM SIMPSON**... Optimized solutions designed for specific needs
Vulcamet S.A..
Rosario, Argentina

APPLICATION
• Automotive castings
• Disamatic molding line

EQUIPMENT
• #100B Beardsley & Piper Speedmullor

SALES PARTNER
Küttner do Brasil Equipamentos Siderúrgicos Ltda.

PRODUCTIVITY makes you more competitive

www.vulcamet.com.ar
First Automobile Works
2nd Foundry Plant, Changchun, China

APPLICATION
• Automotive iron castings
• +GF+ Impact molding line
• DISA 2070 molding line

EQUIPMENT
• #MC-200 Simpson Multi-Cooler (2x)
• #23G-250 Simpson Multi-Mull (2x)
• #3818 Simpson+Dietert Compactability Controller (2x)

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SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS
WWW.SIMPSONGROUP.COM
Brembo Iron Foundry
Nanjing, Jiangsu Province, China

APPLICATION
• iron castings

EQUIPMENT
• #MC-150 Simpson Multi-Cooler (2x)

PRODUCTIVITY makes you more competitive

Nanjing Taining Iron Foundry Co., Ltd.

SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS
EQUIPMENT
• #26G Simpson Multi-Mull

APPLICATION
• iron castings

PRODUCTIVITY makes you more competitive
EQUIPMENT
• #MC-100 Simpson Multi-Cooler
• #100B-200 Beardsley & Piper Speedmullor
• #18Mk2-2552 Simpson+Hartley Compactability Control
• #90Mk2 Bond Dosing System
• 2-Cell Pro-Claim

APPLICATION
• Ductile Iron castings
• DISA 2110 molding line

PRODUCTIVITY makes you more competitive
Aisin Takaoka Foundry Co.
Toyoda City Japan

EQUIPMENT
- #MC-250 Simpson Multi-Cooler
- #100B-250 Beardsley & Piper Speedmullor (2x)
- #18Mk2-2552 Simpson+Hartley Compactability Control (2x)
- #90Mk2 Bond Dosing System

APPLICATION
- Ductile Iron castings
- Sinto ACE molding lines

PRODUCTIVITY makes you more competitive

SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS
WWW.SIMPSONGROUP.COM
Takaoka Lioho (Tianjin) Industries
Tianjin, China

APPLICATION
• Automotive castings
• Sinto Seiatsu ACE molding line

EQUIPMENT
• Model #6G Simpson Mix-Mullers (2x)

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Sintokogio Ltd. – Nagoya, Japan

PRODUCTIVITY makes you more competitive

MANUFACTURED IN JAPAN UNDER LICENSE BY
Sintokogio Ltd. – Nagoya, Japan

PRODUCTIVITY makes you more competitive

MANUFACTURED IN JAPAN UNDER LICENSE BY
Sintokogio Ltd. – Nagoya, Japan

PRODUCTIVITY makes you more competitive

MANUFACTURED IN JAPAN UNDER LICENSE BY
Sintokogio Ltd. – Nagoya, Japan

PRODUCTIVITY makes you more competitive
Kitagawa Iron Works Co., Ltd.
Saitama-shi, Saitama, Japan

APPLICATION
• Automotive castings
• Sinto Seiatsu ACE molding line

PRODUCTIVITY makes you more competitive

EQUIPMENT
• #100B-250 Beardsley & Piper Speedmullor
• #2552 Simpson+Hartley Compactability Controller

SALES PARTNER
Sintokogio Ltd. – Nagoya, Japan

SALESPARTNER
Sintokogio Ltd. – Nagoya, Japan

SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS
WWW.SIMPSONGROUP.COM
Sakabe Industry Co. Ltd.
Nishio-shi, Aichi, Japan

APPLICATION
• Construction equipment castings
• Sinto Seiatsu ACE molding line

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EQUIPMENT
• #100B-200 Beardsley & Piper Speedmullor
• #2552 Simpson+Hartley Compactability Controller

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SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS
WWW.SIMPSONGROUP.COM
Asagoe Kogyo Co. Ltd.
Okayama-shi, Okayama, Japan

APPLICATION
• Automotive & Construction equipment castings
• Sinto Seiatsu ACE molding line

EQUIPMENT
• #100B-250 Beardsley & Piper Speedmullor
• #2552 Simpson+Hartley Compactability Controller

SALES PARTNER
Sintokogio Ltd. – Nagoya, Japan

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Dalian Bingshan Metal Technology Co., Ltd.
Dalian, Liaoning Province, China

EQUIPMENT
• #MC-100 Simpson Multi-Cooler

APPLICATION
• Dalian Bingshan Metal Technology Co., Ltd. is a joint venture between Dalian Bingshan Group and Victaulic Company of America. The main products include high technology metal hardware, joint fittings for water system, scroll compressor casting parts for Sanyo, high pressure valves, automobile engine parts & joint fittings for railway

SALES PARTNER
Simpson Technologies (Changzhou), Ltd.
Changzhou City, Jiangsu Province, China

PRODUCTIVITY makes you more competitive
EQUIPMENT
• #MC-200 Simpson Multi-Cooler

APPLICATION
• Yuchai is one of the top three manufacturers of light, medium and heavy duty diesel engines for trucks in China.

SALES PARTNER
Simpson Technologies (Changzhou), Ltd.
Changzhou City, Jiangsu Province, China

PRODUCTIVITY makes you more competitive
Suzhou Xingye Foundry Materials
Suzhou City, Jiangsu Province - China

EQUIPMENT
• A combination of some of the most advanced Simpson+Gerosa sand laboratory equipment including a High Temperature Compression Tester and a Hot Distortion Tester

APPLICATION
• Suzhou Xingye Corporation is a specialized foundry materials supplier to the Chinese foundry market. This new equipment will equip an advanced resin bonded sand testing laboratory.

SALES PARTNER
Simpson Technologies (Changzhou), Ltd.
Changzhou City, Jiangsu Province, China

PRODUCTIVITY makes you more competitive
EQUIPMENT
• #MC-200 Simpson Multi-Cooler

APPLICATION
• A new foundry for Longgong Group - a top 10 Chinese construction machinery maker – to produce iron casting for their construction machinery like forklifts, front end loaders & other earthmoving machinery

SALES PARTNER
Simpson Technologies (Changzhou), Ltd.
Changzhou City, Jiangsu Province, China

PRODUCTIVITY makes you more competitive

www.chinalonggong.com

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WWW.SIMPSONGROUP.COM
First Automobile Works
Changchun, Jilin Province, China

EQUIPMENT
• #17Mk2/2552 Simpson+Hartley on-line control
• #23G-250 Simpson Multi-Mull discharge door upgrade
• #MC-200 Simpson Multi-Cooler discharge door upgrade

APPLICATION
• To update and improve the control of an existing #23G-250 Simpson Multi-Mull and MC-200 Simpson Multi-Cooler and to provide modernization of the sand plant control system.

SALES PARTNER
Simpson Technologies (Changzhou), Ltd.
Changzhou City, Jiangsu Province, China

PRODUCTIVITY makes you more competitive
Dalian Bingshan Metal Technology Co., Ltd.
Dalian, Liaoning Province, China

EQUIPMENT
• #85B Simpson Speedmullor
• #18Mk2/2552 Simpson+Hartley Controller

APPLICATION
• Dalian Bingshan Metal Technology Co., Ltd. is a joint venture between Dalian Bingshan Group and Victaulic Company of America. The main products include high technology metal hardware, joint fittings for water system, scroll compressor casting parts for Sanyo, high pressure valves, automobile engine parts & joint fittings for railway

SALES PARTNER
Simpson Technologies (Changzhou), Ltd.
Changzhou City, Jiangsu Province, China

PRODUCTIVITY makes you more competitive

www.dbmt.com.cn
Shanghai Kohler Company, Ltd.
Shanghai City, China

EQUIPMENT
• #17Mk2/2552 Simpson+Hartley on-line control
• #26G Simpson Multi-Mull discharge door upgrade

APPLICATION
• To update and improve the control of an existing #26G Simpson Multi-Mull

SALES PARTNER
Simpson Technologies (Changzhou), Ltd.
Changzhou City, Jiangsu Province, China

PRODUCTIVITY makes you more competitive
EQUIPMENT
• #4-Cell Simpson Pro-Claim

APPLICATION
• Reclamation of green sand for reuse in a green sand molding system for iron sanitary castings.

SALES PARTNER
Simpson Technologies (Changzhou), Ltd.
Changzhou City, Jiangsu Province, China

PRODUCTIVITY makes you more competitive
CSR Yangtze Rolling Stock Co.
Tongling City, Anhui Province, China

PRODUCTIVITY makes you more competitive

EQUIPMENT
• Simpson Stationary Speedslinger (2x)

APPLICATION
• A new foundry for China Southern Railway Group, the main supplier of heavy-duty locomotives, high-grade passenger trains, high-speed locomotives, and rail and subway vehicles for China’s railways, to produce iron castings for the rail industry such as bogie and bolster castings.

SALES PARTNER
Simpson Technologies (Changzhou), Ltd.
Changzhou City, Jiangsu Province, China

PRODUCTION TECHNOLOGIES

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WWW.SIMPSONGROUP.COM
Ohm und Häner Metallwerk GmbH
Olpe, Germany

EQUIPMENT
• #225G Simpson Multi-Mull

APPLICATION
• Aluminum casting foundry

SALES PARTNER
Simpson Technologies – Steinhausen, Switzerland

PRODUCTIVITY makes you more competitive

www.ohmundhaener.de
Fukushima Steel Works Co. Ltd.
Sagamihara-shi, Kanagawa, Japan

PRODUCTIVITY makes you more competitive

EQUIPMENT
• #100B-250 Beardsley & Piper Speedmullor
• #18Mk2/2552 Simpson+Hartley Compactability Controller

APPLICATION
• to replace an obsolete Multi-Mull to prepare sand for an existing Sinto JSS-7 Jolt Squeeze molding line. This company produces large brake drum iron casting for truck and valve housing for construction machinery.

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www.f-seiko.co.jp

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WWW.SIMPSONGROUP.COM
slr-Eisenwerk Martinlamitz GmbH
Schwarzenbach/Saale, Germany

EQUIPMENT
• #MC-200 Simpson Multi-Cooler

APPLICATION
• Grey & ductile iron castings

SALES PARTNER
Simpson Technologies – Steinhausen, Switzerland

PRODUCTIVITY makes you more competitive

www.slr-ewm.de
EQUIPMENT
• #MC-100 Simpson Multi-Cooler (rebuilt)

APPLICATION
• Grey & ductile iron castings

SALES PARTNER
Simpson Technologies – Steinhausen, Switzerland

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www.nemetzguss.at
EQUIPMENT
- #MC-200 Simpson Multi-Cooler

APPLICATION
- Grey & ductile iron castings

SALES PARTNER
Simpson Technologies – Steinhausen, Switzerland

PRODUCTIVITY makes you more competitive

www.victauliccastings.com
EQUIPMENT
• #MC-200 Simpson Multi-Cooler

APPLICATION
• Grey & ductile iron castings. Uralvagonzavod is one of the most fast growing machine building companies in Russia.

SALES PARTNER
Simpson Technologies – Steinhausen, Switzerland

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www.uvz.ru
Chauffagekar Industrial Co.  Tehran, Iran

EQUIPMENT
An order of more than EUR 30,000 for a set of Simpson sand laboratory equipment featuring PFG Strength Machine, PNZ Wet Tensile Tester, PRA-MA motorized sand rammer, PMK Methylene Blue Clay Tester and a PWG moisture analyser MA35M

APPLICATION
Chauffagekar is Iran’s leading producer of cast iron boilers for residential and industrial heating systems.

SALES PARTNER
Simpson Technologies – Steinhausen, Switzerland

PRODUCTIVITY makes you more competitive

www.chauffagekar.com
EQUIPMENT
An order of more than EUR 20,000 for a set of Simpson sand laboratory equipment featuring a PVF-C Minilab and PDU-D Permeability Tester.

APPLICATION
KAYDÖKSAN is one of the largest foundries in Turkey. The main products are automotive and machine parts which are made from grey cast iron and nodular cast iron with DISAMATIC molding.

SALES PARTNER
Meta•Mak Metalurji

PRODUCTIVITY makes you more competitive
MANDO Corporation
Kyonggi-Do, Korea

EQUIPMENT
• #MC-50 Simpson Multi-Cooler
• #85B Simpson Speedmullor
• #18Mk2/2552 Simpson+Hartley Controller
• #90Mk2-5 Simpson bond dosing system

APPLICATION
• Ductile Iron foundry with DISA 230-B molding
• MANDO Corporation is the largest Korean automotive parts producer. The Pyeongtaek Business Division is a major producer of brake systems.

SALES PARTNER
Phil Corporation

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www.mando.com
EQUIPMENT

- #3G-125 Simpson Mix-Muller w/VFD Drive
- 18Mk2/2552 Simpson+Hartley Controller
- 90Mk2-5 Simpson Bond dosing system

APPLICATION

60 tph sand system for an aluminum foundry with two HWS molding lines. This mixer replaces an Eirich mixer and was selected for it’s superior mixing performance and energy efficiency.

SALES PARTNER

Simpson Technologies – Steinhausen, Switzerland

www.dietermann-guss.de

PRODUCTIVITY makes you more competitive
Fundiciones Garbi, S.A.
Abadiano (Vizcaya), Spain

EQUIPMENT
#MC-150 Simpson Multi-Cooler (rebuilt)

APPLICATION
Grey & ductile iron castings for general industrial applications.

SALES PARTNER
Simpson Technologies – Steinhausen, Switzerland

PRODUCTIVITY makes you more competitive
Deere & Company US-AG
Waterloo, Iowa, USA

EQUIPMENT
• #26G Simpson Multi-Mull discharge door upgrade
• #17Mk2/2552 Simpson+Hartley Control System

APPLICATION
• Upgrade of the discharge door control system and the addition of a new Simpson+Hartley on-line control and automation system to improve the performance of an existing #26G Simpson Multi-Mull.

SALES PARTNER
Carpenter Brothers Inc.

PRODUCTIVITY makes you more competitive

www.deere.com
APPLICATION
Bronze foundry with Sinto FBO III molding line wished to replace an existing States Ringmullor and improve the system performance and capacity. A 1 1/2G with special VFD drive capability will provide significantly increased capacity with better mixing and less energy consumption. A Simpson+Hartley 18Mk2/2552 will provide mixer group control and system automation.

SALES PARTNER
Carpenter Brothers

PRODUCTIVITY makes you more competitive
EQUIPMENT
Model #2 1/2K Simpson Mix-Muller

APPLICATION
Iron castings
Sinto Seiatsu ACE molding line

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www. tsubakimoto.com
EQUIPMENT
• #3G-125 Simpson Mix-Muller

APPLICATION
Railroad castings in a steel foundry application

SALES PARTNER
DVN Marketing cc.

PRODUCTIVITY makes you more competitive
APPLICATION

Victaulic is the largest non-ferrous foundry in Canada producing aluminum castings in green sand with flaskless matchplate molding machines.

PRODUCTIVITY makes you more competitive.
Grede Foundries Inc.
St. Cloud, MN USA

1999

EQUIPMENT
#MC-100 Simpson Multi-Cooler
#6G Simpson Mix-Muller w/VFD Drive
#18Mk2-2552 Simpson+Hartley Compactability Control
#90Mk2 Bond Dosing System
Simpson+Gerosa sand laboratory

APPLICATION
Ductile Iron castings
BMD Flask molding line

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Hensley Industries Corp.
Dallas, Texas USA

EQUIPMENT
#MC-100 Simpson Multi-Cooler
#6G Simpson Mix-Muller
#2552 Simpson+Hartley Compactability Controller
#90Mk2 Simpson+Hartley bond dosing system

APPLICATION
Steel Castings for mining equipment
HWS DAFM-SD5 Seiatsu molding line
60 tph sand plant

SALES PARTNER
Canfield & Joseph, Inc.

PRODUCTIVITY makes you more competitive

SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS
Takaoka Lioho (Tianjin) Industries
Tianjin, China

APPLICATION
Automotive castings
Sinto Seiatsu ACE molding line

EQUIPMENT
Model #MSG-60 Simpson Mix-Mullers (2x)

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www.at-takaoka.co.jp
EQUIPMENT
Model #MSK-60 Simpson Mix-Muller

APPLICATION
Automotive castings
Sinto Seiatsu ACE molding line

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Sintokogio Ltd. – Nagoya, Japan

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EQUIPMENT
4-Cell Simpson Pro-Claim (8x)

APPLICATION
40 tph reclamation of Phenolic Urethane Pep-Set bonded sands
medium to large, low to medium volume ductile and gray iron castings.

SALES PARTNER
Canfield & Joseph

PRODUCTIVITY makes you more competitive
APPLICATION
Green sand to core sand reclamation
Combination mechanical/thermal reclamation plant with IMF srl of Italy for installation at the Union Foundry Company foundry in Anniston, Alabama USA.

SALES PARTNER
IMF Srl. - Italy

PRODUCTIVITY makes you more competitive
Metal Technologies Inc. - Auburn
Auburn, IN USA

APPLICATION
Leading grey & ductile iron automotive foundry is increasing capacity with 2x new DISA 231Xfast moldings lines in addition to 2x existing 230X machines. To meet quality and capacity demands of new molding lines MTI is removing 4x Eirich RV-23 mixers and replacing them with 4x 100B-250 Simpson Speedmullors with Hartley controls.

EQUIPMENT
• #100B-250 Simpson Speedmullor (4x)
• #18Mk2/2552 Simpson+Hartley controller (4x)
• #90Mk2-5 Simpson Hartley bond dosing system (4x)

SALES PARTNER

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WWW.SIMPSONGROUP.COM
EQUIPMENT
• 2-Cell Simpson Pro-Claim (2x)

APPLICATION
Green sand to core sand reclamation
Combination mechanical/thermal reclamation plant with IMF srl of Italy for installation at the ThyssenKrupp Waupaca Company foundry in Waupaca, WI USA.

SALES PARTNER
www.thyssenkruppwaupaca.com

SYSTEM SIMPSON... OPTIMIZED SOLUTIONS DESIGNED FOR SPECIFIC NEEDS
WWW.SIMPSONGROUP.COM

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