

THORO SERIES

SHEMESH AUTOMATION 
PRUDENT PACKAGING SOLUTIONS



Precision capping, redefined.

- Throughput: 60, 120 & 180 ppm models available
- Servo-driven Cam design fully automatic Capper
- Applicable to Screw, Snap-On, Push-Pull, ROPP or Twist-Off caps
- Applicable to caps and containers common to the food & beverage, chemical & cosmetics, pharmaceuticals & health supplements industries



Let us build your vision

Specifically designed to provide super-accurate leak-free capping, the **THORO** is available in both semi-automatic and fully-automatic versions for maximum efficiency and versatility.

THORO SERIES

Cap-off your in-line system with the ultra-accurate **THORO** capping machine! From sauces and drinks to medicines and cosmetics, Shemesh Automation's

THORO is designed to provide accurate, efficient torque-measured capping for a wide variety of products.



Quick **fact sheet**

- Throughputs **60, 120 or 180 models** available with either I, II or III capping stations
- **INDUSTRY 4.0 READY:** SECOMEA Site Manager 1139 modem, integrated into the machine HMI to enable **SMART** remote support, live stats and performance analysis as well as manufacturer enhancement feedback
- **Sanitary**, servo-driven cam- design Capper
- **Wide variety of containers** or bottles (eg Plastic, glass etc)
- **Twist-Off, Screw, Push-Pull ROPP or Snap-On** caps are applicable
- **Pick & Place** method for accurate Screw or Twist-Off capping
- Clipping method for accurate **Snap-On** and/or **Push-Pull** capping
- **Torque - servo driven, adjustable from the HMI**
- **Built-in Quality Control** to examine defects (if there is a cap or if the cap is closed properly) and defects rejection system
- Tool-free design offers sub **20-minute changeover** and reduced downtime
- **Monoblock** style version or **linear line** version available

TECHNICAL DATA

- Throughput: **up to 180ppm** depending on capping and capping method
- Format change time: **max. 20 minutes**
- Working stations: **up to 3**
- Basic measurements: see drawing
- Container diameter: **up to 100 mm**
- Container height: **up to 350 mm**

STANDARD SPECS

- **Industry 4.0** ready
- **Festo (Germany)** pneumatics and Servo systems
- Complete **SST304/316L** design
- **FDA** approved piping as applicable
- **SIEMENS (Germany)** PLC & HMI and MOTORS
- **BANNER** sensors
- **E-stop** buttons and safety interlocks wired through **CAT IV** safety controller
- **CE Marking**

For a full demo of the Thoro in action please visit us at www.shemeshautomation.com

Minimise defects, maximise production

The advanced cam design based **THORO** Capper features up to 3 working stations, may reach up to 180ppm and **includes complete automatic caps feeding, orientation and closing.**



"Shemesh Automation works closely with its customers to unlock maximum productivity, operational flexibility, long-term reliability, safety and efficiency. This, coupled with world-class engineering and out of-the-box mindset, is key to everything we do."

Eyal Zilberman, Senior Engineer.







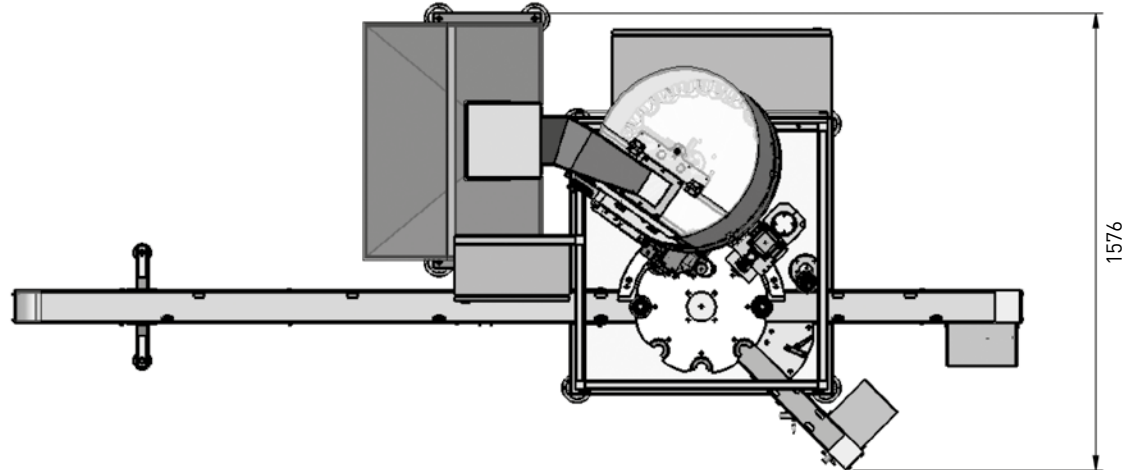
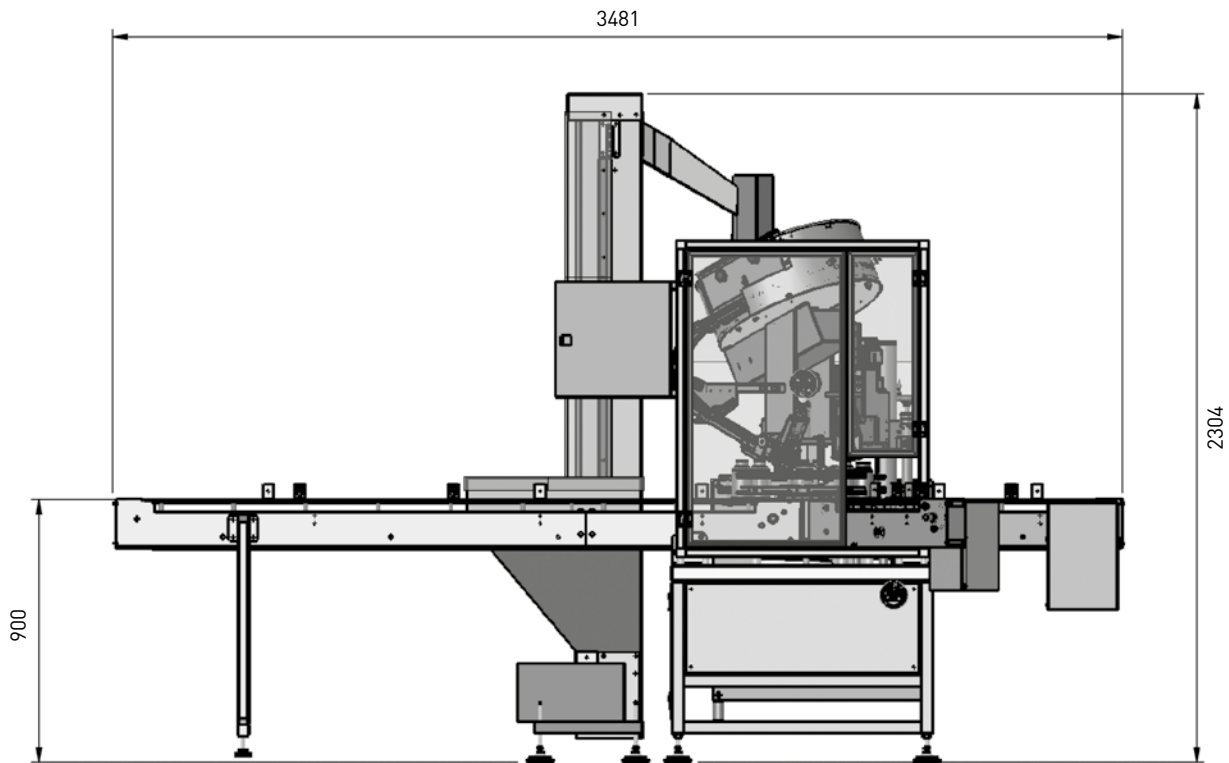
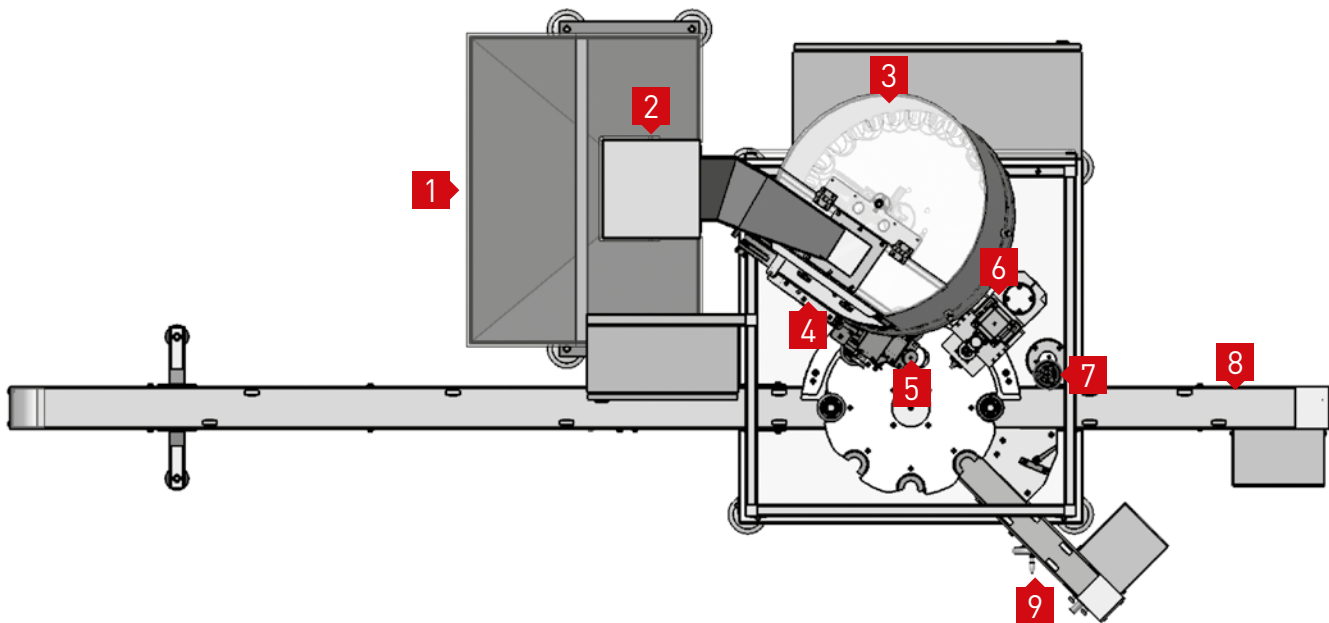
“Shemesh demonstrated time after time that they are ‘there’ when it really matters. From the project planning stage, where the line design and building of the kit were very well managed with clear communications at every stage, to delivering the project and equipment on time, and finally the installation stage, where Shemesh had a super professional team in place for installation & training. In addition to this, we are delighted with the productivity and the day to day operation where we all can enjoy production that is accurate and consistent. Today, I perceive Shemesh not only as an equipment supplier but a true partner to our success, and I also consider many within Shemesh friends. I am glad to say that we will surely buy from Shemesh again and I would not hesitate in putting my own name and reputation on the line in recommending the Shemesh brand to anyone who is looking for a reliable partner for their production needs.”

— **Rick Lennard**, Lead Engineer, Beams Packaging Services

How the THORO measures up

THORO Layout

- 1 Small caps bulk hopper
- 2 Vertical conveyor belt (primary orientation)
- 3 Sorting disc 'drum feeder' (secondary orientation)
- 4 Sleeve magazine
- 5 Pick & Place / Clipping Station
- 6 Multi-function gripper
- 7 Built-in QC
- 8 Discharge
- 9 Defects Discharge



Global presence



Wisconsin, USA
North America HQ

State-of-the-art machine showroom, sales and after-sales support, spare parts inventory and North American logistics centre.

Hampshire, UK
Global Headquarters

CEO's office, Marketing, Strategy, Business Development and Finance.



Semur-en-Auxois, France
European HQ

French team, Tech centre featuring state-of-the-art machinery showroom, sales and after-sales support and European logistics centre.

Tel Aviv, Israel
R&D and Manufacturing

Operations, R&D, Engineering and Manufacturing.



WORLDWIDE

15

International branches

- United Kingdom
- North America
- France
- Latin America
- Israel
- Spain
- United Arab Emirates
- South Africa
- India
- China & Hong Kong
- Japan & Indonesia
- Australia & New Zealand

Over

1800

machines...

CAPACITY

x2

Manufacturing sites

...supported in over

30

countries

6

Trade shows per year

Explosion proofed & Corrosion proofed

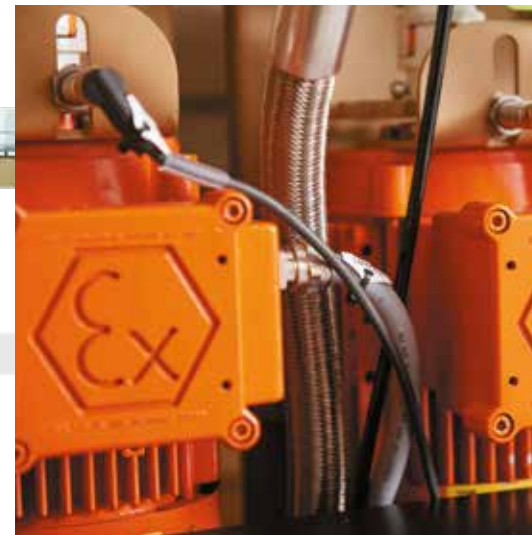


Corrosive or alcohol-based solutions dictate that your equipment is duly fitted to professionally handle these delicate environments. Years of experience in the field made it possible for us to tailor you the exact protection so your production is safe and stable while your people and equipment are well protected keeping your facility at the top of the range.

All of our machines are constructed using SST 304/316L, and are available with anti corrosive proprietary coating. As well as the machine base, all vital parts such as nozzles and pumps are also specially treated.



SHEMESH AUTOMATION'S FGW-120 FILLING MACHINE WITH COMPLETE EXPLOSION (EX) AND CORROSION PROTECTION



Shemesh Automation Core Filling Sealing and Capping 120ppm Line with complete Explosion (EX) and Corrosion protection.

Global representation

Shemesh Automation collaborates with teams on complex Fortune 500 projects and has gained not only a proven and trusted network to put at your disposal, but also invaluable knowledge to help drive your projects.

We share our expertise to guarantee the maximum productivity of your machinery. Our global network of sales representatives and After Sales service specialists offer you flexible and efficient support. Our highly-qualified technicians ensure a fast solution whenever and wherever you need it.

REGIONAL HEADQUARTERS

United Kingdom

Shemesh Automation UK Ltd
Contact: Mr. Andrew Hayward

North America

Shemesh USA Inc
Contact: Mr. Jim Livermore

France

Shemesh Automation France
Contact: Ms Nelly Desbiens

Israel

Shemesh Automation Israel Ltd
Contact: Mr. Luis Coronel

OTHER OFFICES

Spain

Shemesh Spain
Contact: Mr. Joaquim Julve

United Arab Emirates

Shemesh Automation UAE
Contact: Mr. Johann Van Niekerk

South Africa

Shemesh Automation SA
Contact: Mr. Simon Daniels

India

Shemesh Automation India
Contact: Mr. Shilpan Patel

China & Hong Kong

Shemesh Automation Asia
Contact: Mr. Charles Yip

Japan & Indonesia

Shemesh Automation Japan & Indonesia
Contact: Mr. Kentaro Taguchi

Australia & New Zealand

Shemesh Automation Australia
& New Zealand
Contact: Mr. Cameron McKenzie

LATIN AMERICA

Contact: Mr. Nir Baram

GLOBAL SALES

Contact: Mr. Luis Coronel

For all sales enquiries please contact us via sales@shemeshautomation.com



Offices:

United Kingdom

Shemesh Automation UK Ltd
85 Great Portland Street
First Floor
London W1W 7LT
United Kingdom
Tel: +44 758 428 1707



USA

Shemesh USA Inc
1040 Centennial Street
Green Bay
Wisconsin 54304
United States
Tel: +1 920 325 0050



Israel

Shemesh Automation Israel Ltd
4 Ha-Sar Khayim Moshe
Shapira St.
Rishon Lezion 7570406
Israel
Tel. +972 3550 9946



France

Shemesh Automation France
Bopak SARL Building
10 Rue de la Croix Belin
Semur-en-Auxois 21140
France
Tel. +33 6 15 21 04 09



www.shemeshautomation.com



*Let us build **your vision***