

# THORO SERIES




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:** SECOMA 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
- Adjustable torque, 4.43-61.96 lbf-in / 0.5-7.0 Nm
- 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

For a full demo of the Thoro in action please visit us at [www.shemeshautomation.com](http://www.shemeshautomation.com)

## 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**

# 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.**





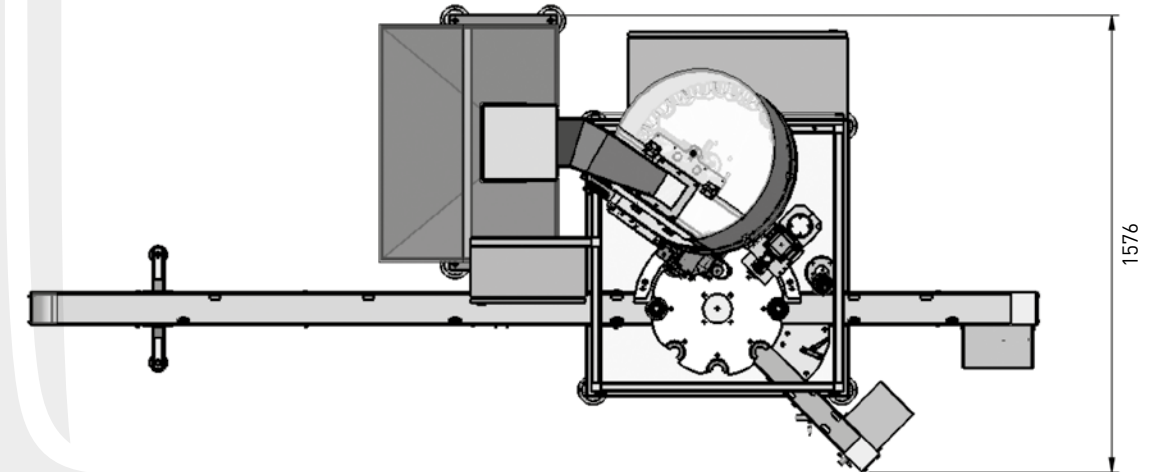
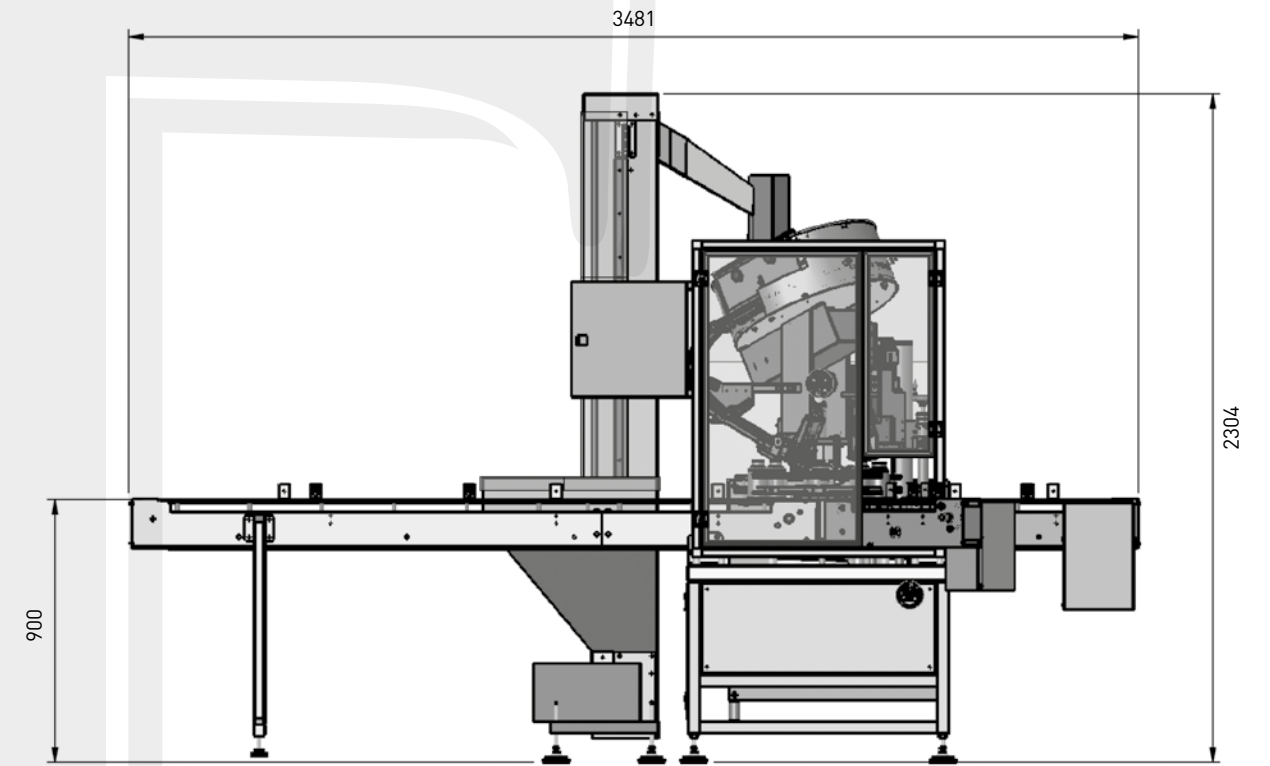
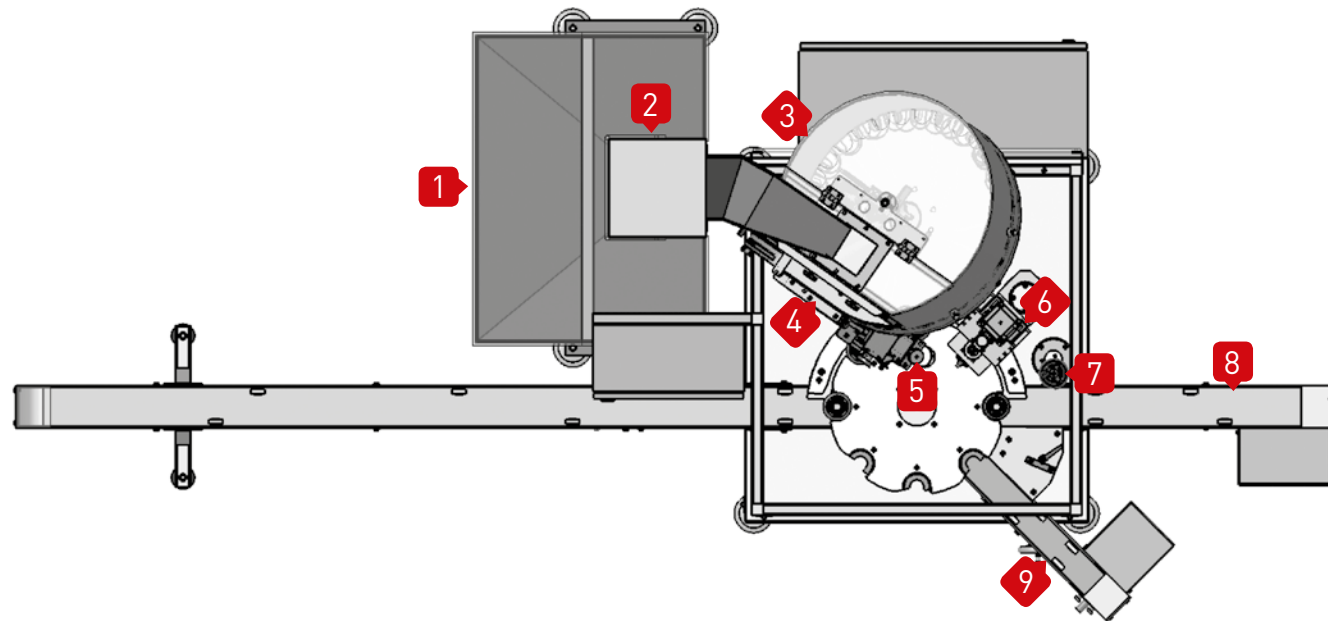
"Shemesh Automation works closely with its customers to unlock maximum productivity, operational flexibility, long-term reliability, safety and efficiency. This, coupled with world-class engineering and out of-the-box mindset, is key to everything we do."

Eyal Zilberman, Senior Engineer.



# HOW THE THORO MEASURES UP

- 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.**

Tech center featuring state-of-the-art showroom, secondary market machinery, sales & after sales support, North America logistics centre



**London:**  
**United Kingdom HQ.**

CEO Office, Marketing, Strategy, Business Development, Finance



**Nantes, France:**  
**France Team HQ.**

European Office. Tech Centre featuring state-of-the-art machinery show room, sales and after sales support, European logistics centre



**Tel Aviv, Israel:**

R&D and Operations. President office, Engineering, Manufacturing facilities



**WORLDWIDE**

**13**

International branches

- Asia
- Australia & New Zealand
- Central & South America
- France
- Italy
- India
- Israel
- Japan & Indonesia
- Mexico
- North America
- Russia
- Spain
- United Kingdom

Over

**1400**

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



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



# Global representation

Shemesh Automation boasts over 30 years' experience catering to global market leaders across many market sectors. We collaborate with teams on complex Fortune 500 projects and have gained not only a proven and trusted network to put at your disposal but also invaluable knowledge to help drive your projects.

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

## Global Sales

Shemesh Automation  
Contact: Mr. Yonatan Levy  
[yonatan.l@shemeshautomation.com](mailto:yonatan.l@shemeshautomation.com)

## Asia (ex Japan and Indonesia)

Shemesh Automation Asia  
Contact: Mr. Charles Yip  
[charles.y@shemeshautomation.com](mailto:charles.y@shemeshautomation.com)

## Australia & New Zealand

Shemesh Automation Australia  
Contact: Mr. Cameron McKenzie  
[cameron.mck@shemeshautomation.com](mailto:cameron.mck@shemeshautomation.com)

## France

Shemesh Automation France  
Contact: Mr. Jean-Philippe Henriët  
[jeanp.h@shemeshautomation.com](mailto:jeanp.h@shemeshautomation.com)

## India

Shemesh Automation India  
Contact: Mr. Shilpan Patel  
[shilpan.p@shemeshautomation.com](mailto:shilpan.p@shemeshautomation.com)

## Israel

Shemesh Automation Israel  
Contact: Mr. Yonatan Levy  
[yonatan.l@shemeshautomation.com](mailto:yonatan.l@shemeshautomation.com)

## Japan & Indonesia

Shemesh Automation Japan & Indonesia  
Contact: Mr. Kentaro Taguchi  
[kentaro.t@shemeshautomation.com](mailto:kentaro.t@shemeshautomation.com)

## Latin America

Shemesh Automation LATAM  
Contact: Mr. Nir Baram  
[nir.b@shemeshautomation.com](mailto:nir.b@shemeshautomation.com)

## Mexico

Shemesh Automation Mexico  
Contact: Mr. Edgar R. Carvajal Melgoza  
[edgar.m@shemeshautomation.com](mailto:edgar.m@shemeshautomation.com)

## North America

Shemesh Automation North America  
Contact: Mr. Todd Cannon  
[todd.c@shemeshautomation.com](mailto:todd.c@shemeshautomation.com)

## United Kingdom

Shemesh Automation UK  
Contact: Mr. Tony Bryant  
[tony.b@shemeshautomation.com](mailto:tony.b@shemeshautomation.com)





## Offices:

### United Kingdom

Shemesh Automation UK  
Second Floor,  
Berkeley Square House,  
Berkeley Square, Mayfair,  
London W1J 6DB,  
United Kingdom  
Tel. +44 207 887 6004



### Israel

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



### France

Shemesh Automation France  
ZA Ragonnières,  
8 Rue des Ragonnières,  
44330 La Chappelle Heulin,  
France  
Tel. +33 (0) 611 577 504



### USA

Shemesh Automation USA  
2985 Voyager Drive,  
Green Bay,  
Wisconsin 54311,  
United States  
Tel: +1 920 325 0050



[www.shemeshautomation.com](http://www.shemeshautomation.com)



*Let us build your vision*