# Mould technology center

In-house research
and development department

SIBO group
closures
plastics
tools

# RELIABLE PARTNER


**250** customers,
**70** countries around the world,
**6,0** billion injected products,
**100** moulds per year,
**70** mio EUR income,
**430** employees.

**1967**
Beginnings of craftmanship

**1994**
Expansion to foreign markets, first produced high-cavitation tool

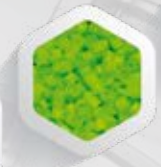
**2004**
Global product solution provider

**2008-2009**
Moving to larger factory and establishment of clean room facility.

**2011**
President and CEO Boštjan Šifrar becomes Entrepreneur of the year 2011

**2014**
Acquisition of Kittel equipment for cosmetics

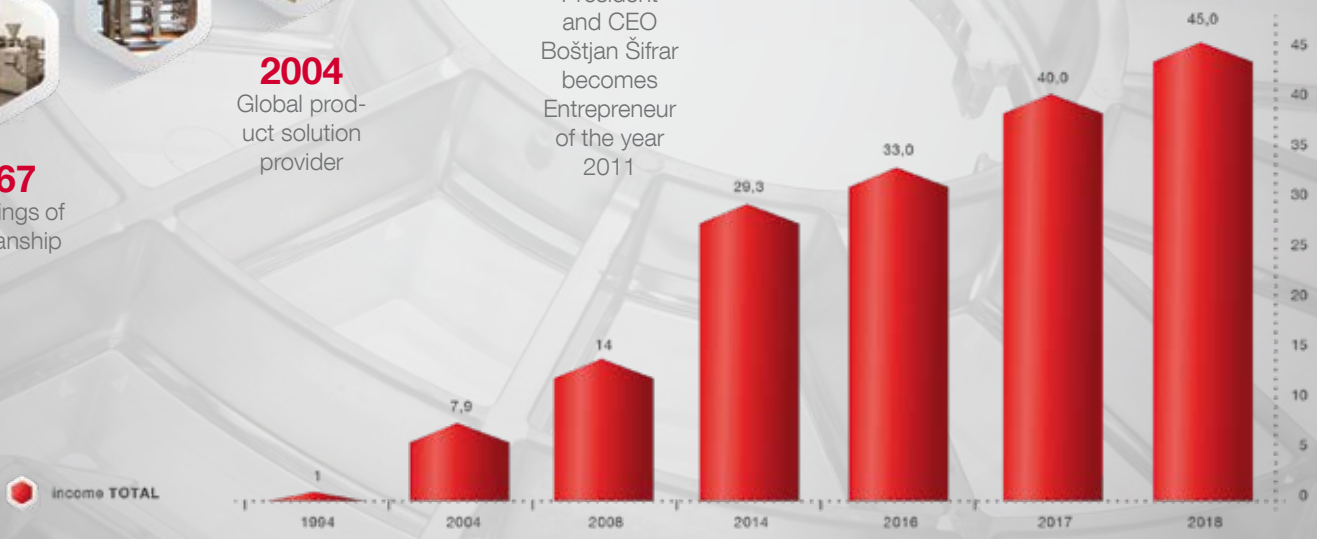
**2016**
Acquisition of 19 tools for pharma caps from Poland



**2017**
SIBO 50th anniversary



**2019**
Starting production in USA



# IN-HOUSE RESEARCH AND DEVELOPMENT DEPARTMENT


Quick response to our customer's desire from product and mould design to in-house mould manufacturing.
Possibility of 3D print prototype parts before pilot mould production.
Possibility of different pilot moulds before serial mould production.

1 S13F/04

2 96 cavities

3 external closing system

# MOULD TECHNOLOGY CENTER EQUIPMENT

Equipped with high technology machines we can perform the most demanding miling, drilling, grinding and erosion processes.

## CNC MILLING:

Machines from manufactures MIKRON, HERMLE, OKUMA, HURCO, MORI SEIKI – up to max performance 950 mm x 650 mm mounting area.

## CNC TURNING:

Machines from manufacturers OKUMA, HAAS (classic and hardened steel).

## EDM PROCESSES:

Machines from manufacturers AGIE, SODIC, FANUC, ROBOCUT, KONTE PRECISION.

## GRINDING:

Machines from manufacturers ROSA, KELLENBERGER, TSCHUDIN, JUNG.

More than 50 years of experience in mould making.

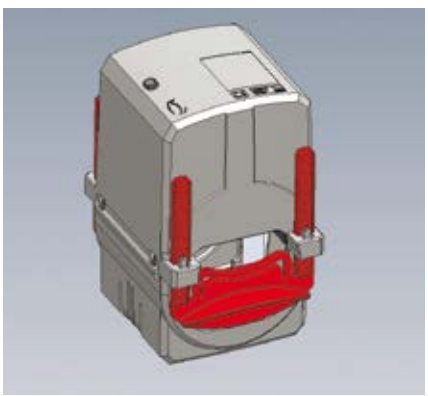
50 highly qualified technical staff insuring precision on each individual project.

More than 100 moulds produced per year.

Multi cavity high precision moulds for their superior precision, durability and productivity.
Moulds used for plastic packaging products, medical devices, pharmacy containers, electronic and automotive products.

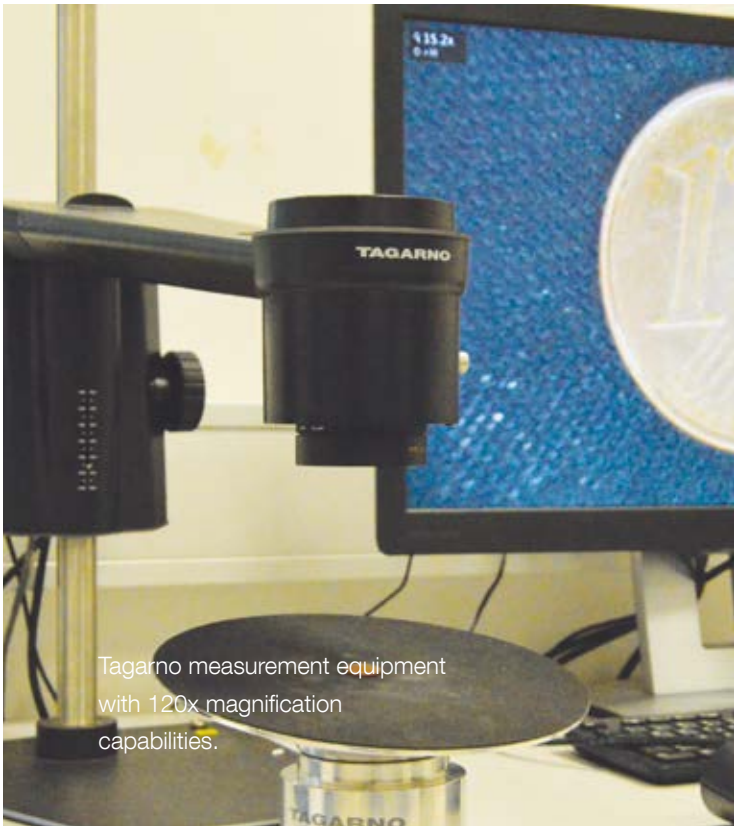
# TECHNICAL COMPONENTS

Our highly qualified engineers realize your ideas.
Production of precision parts in range from 0,1 g to max 700 g and assemblies of those parts.
Processing high-temperature plastic materials, such as PSU, PPS, IXEF and PP, PC, PC+ABS, PA66.
In-house assembly line, printing, laser inscription and ultrasonic welding.
Tolerance range 0,01 to 0,05 with CPK 1,33 on 32 cavity moulds.

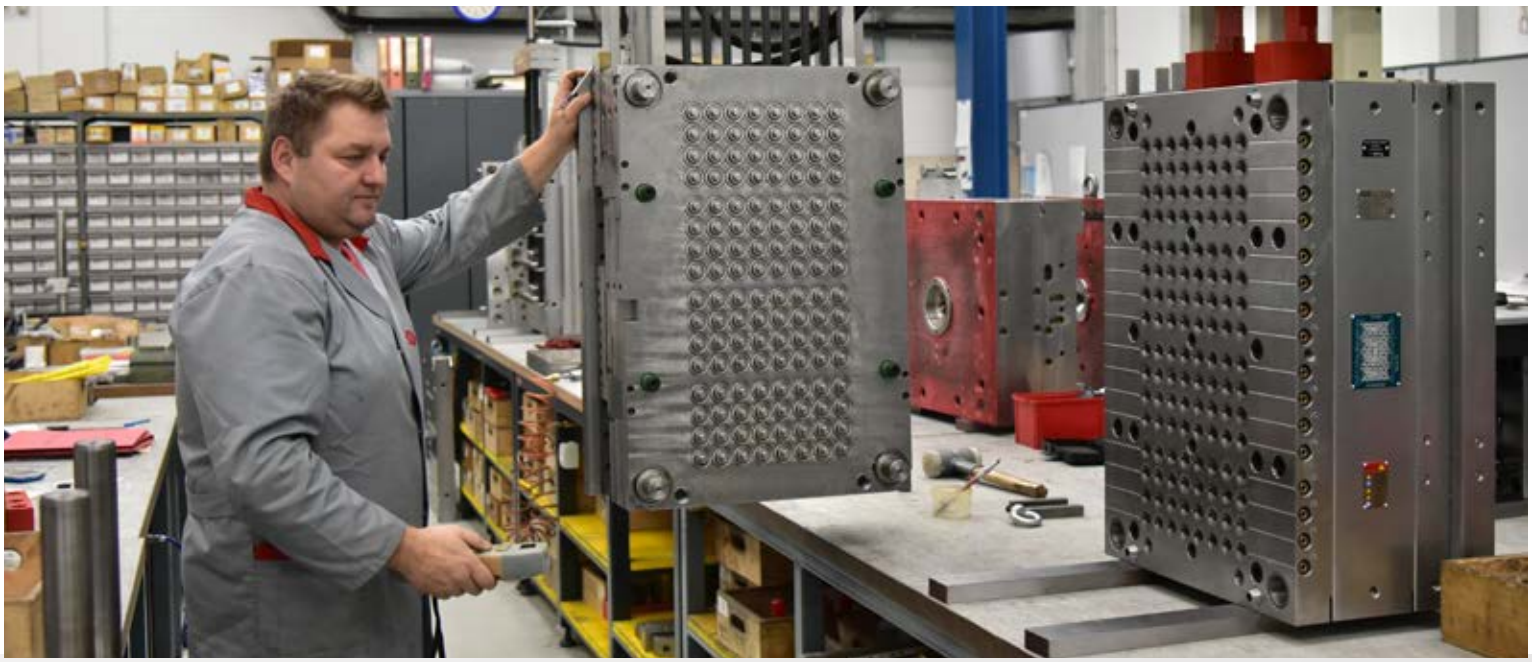


# TECHNICAL PRECISION

Working with state of the art precision tools to guarantee precise measurements.




Tagarno measurement equipment with 120x magnification capabilities.

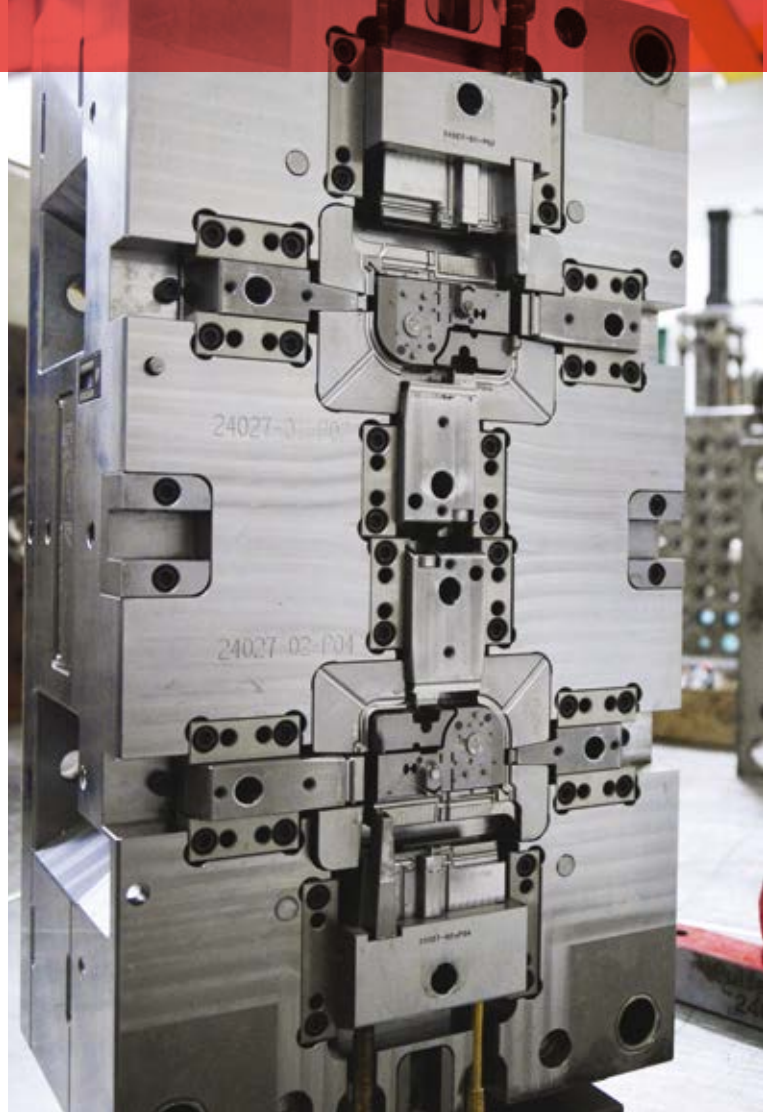


# BLOW MOULDING: EXTRUSION AND INJECTION

## CLEAN ROOM PRODUCTION

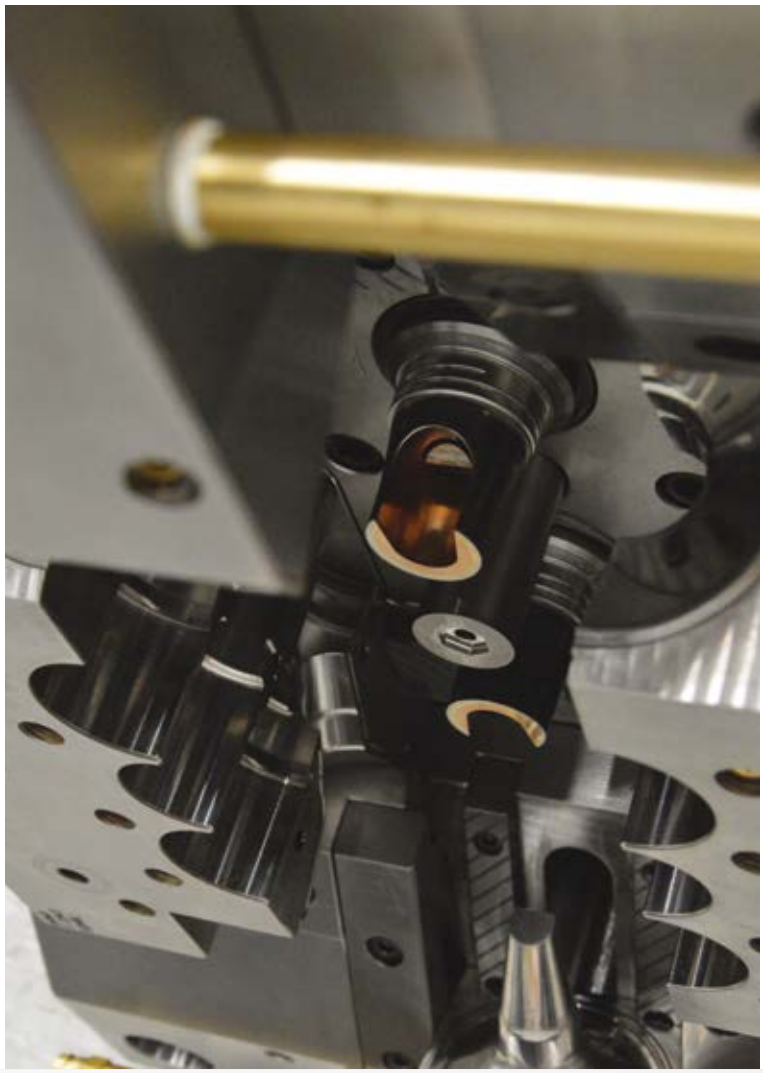
Tamper evident cap with bottles from 15 – 330 ml.
Child resistant cap with bottles from 20 – 270 ml.
Large PE-HD bottles from 250 – 1.000 ml.
Products tailored to individual customers‘ needs.
Materials used: PP, PC, ABS, PS, PE-HD, PE-LD.
Regulatory compliance (EU Pharmacopoeia + FDA approved / DMF), QMA.

# TECHNICAL SOLUTIONS FOR MEDICAL DEVICES

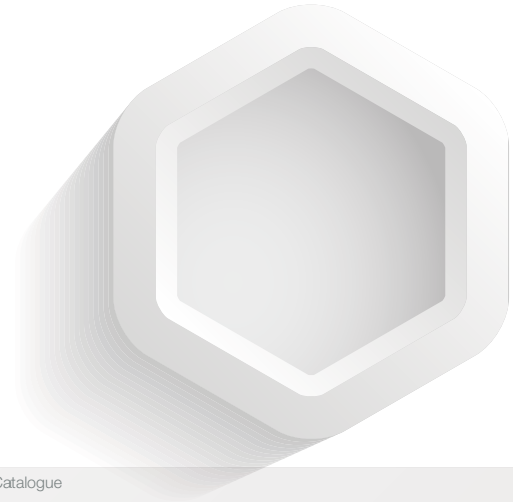


## TECHNICAL PRODUCTS FOR MEDICAL DEVICES

Complex components – micro moulding.
Assembly of medical devices.
Products tailored to individual customers‘ needs.
Materials used: PP, PC, ABS, PS, PE-HD, PE-LD.
Regulatory compliance (EU Pharmacopoeia + FDA approved / DMF), QMA.

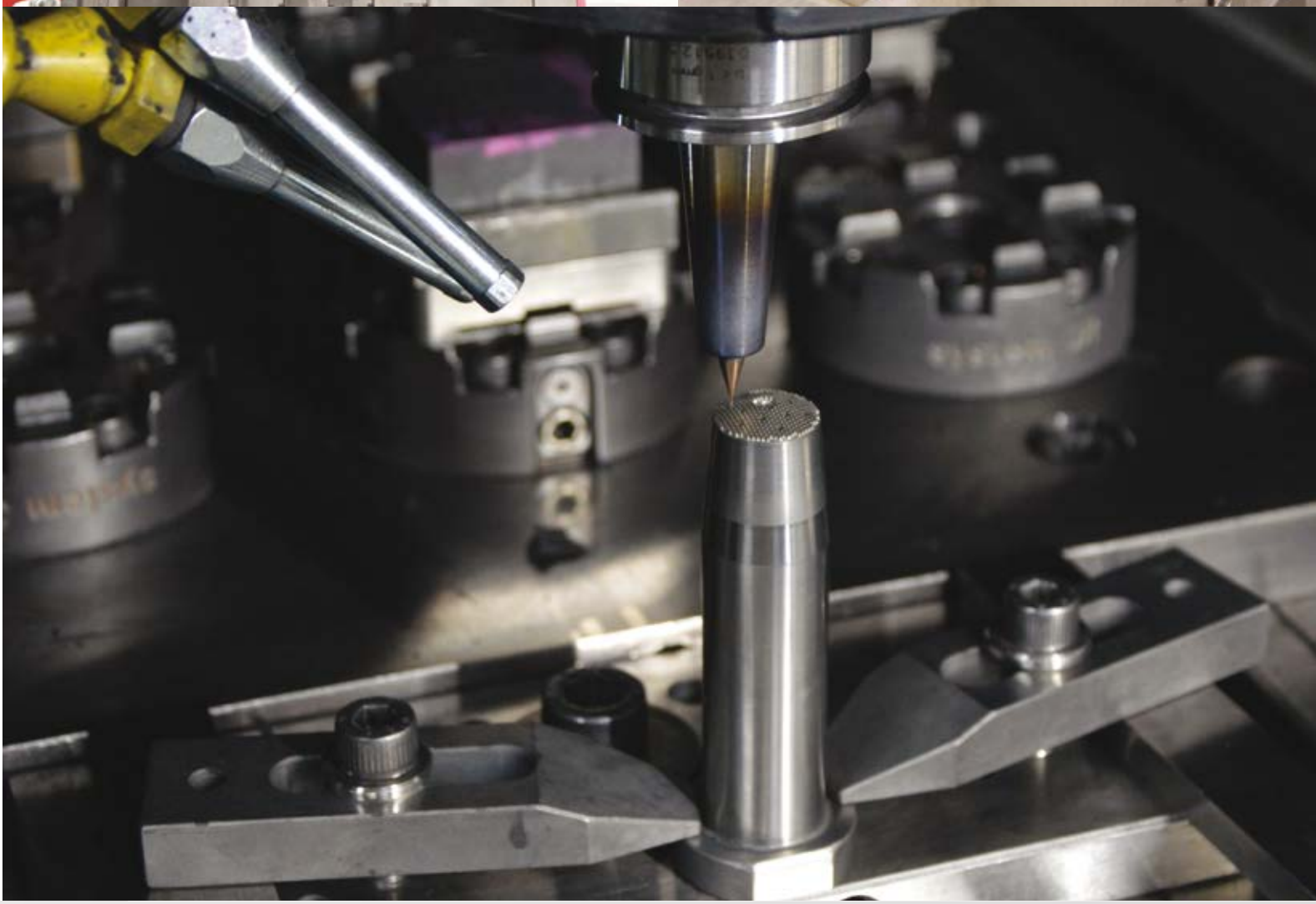


# THIN WALL PACKAGING

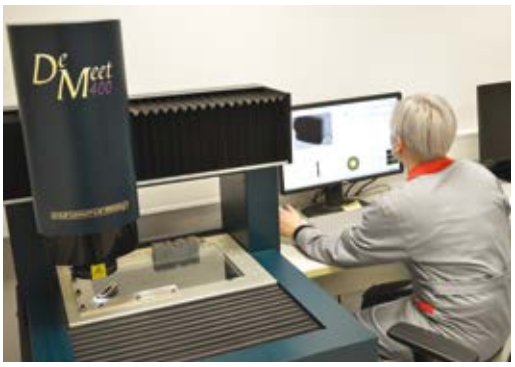


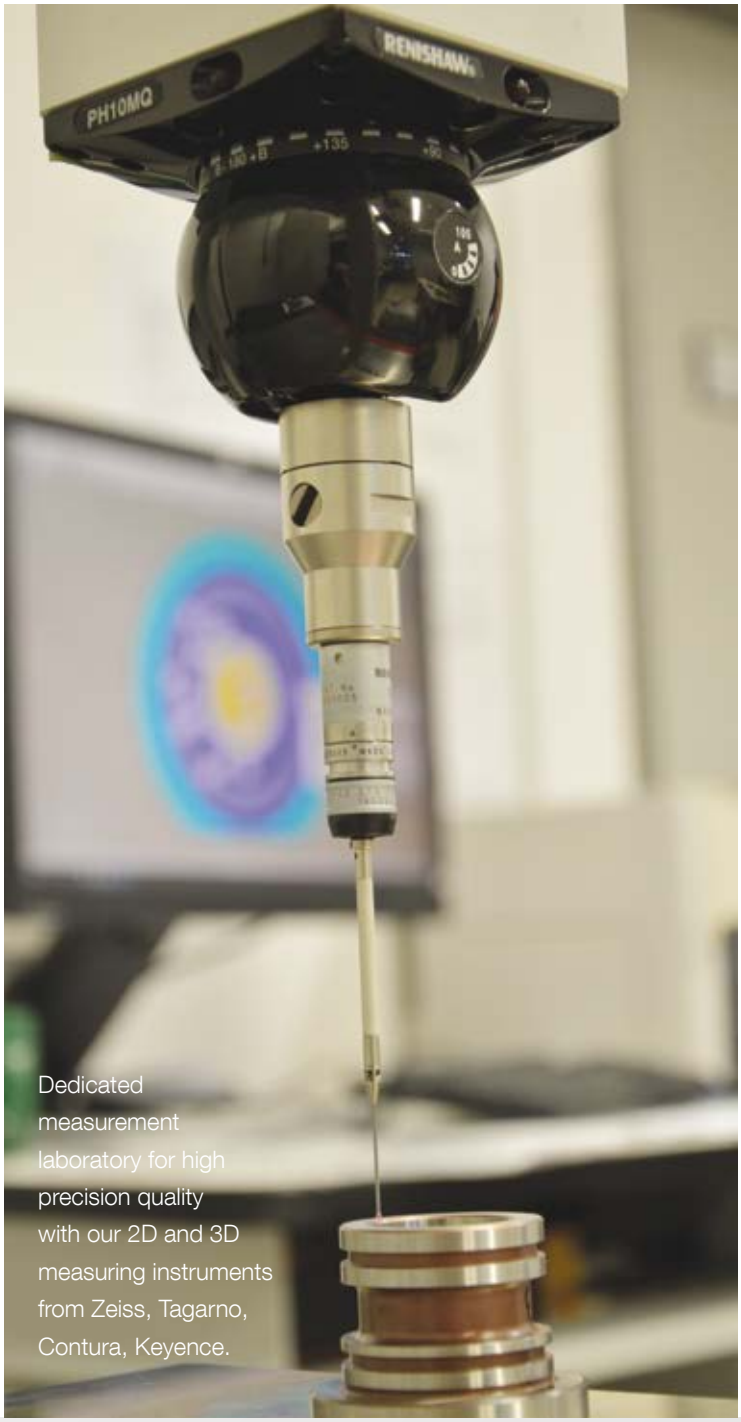
FOOD and PET industry.
Rigid plastic packaging.
Special machines for thin wall packaging.
Low cycle time: sub 6 sec.
Wall thickness from 0,40 mm.

# PROUD OF ALL SEGMENTS OF OUR WORK

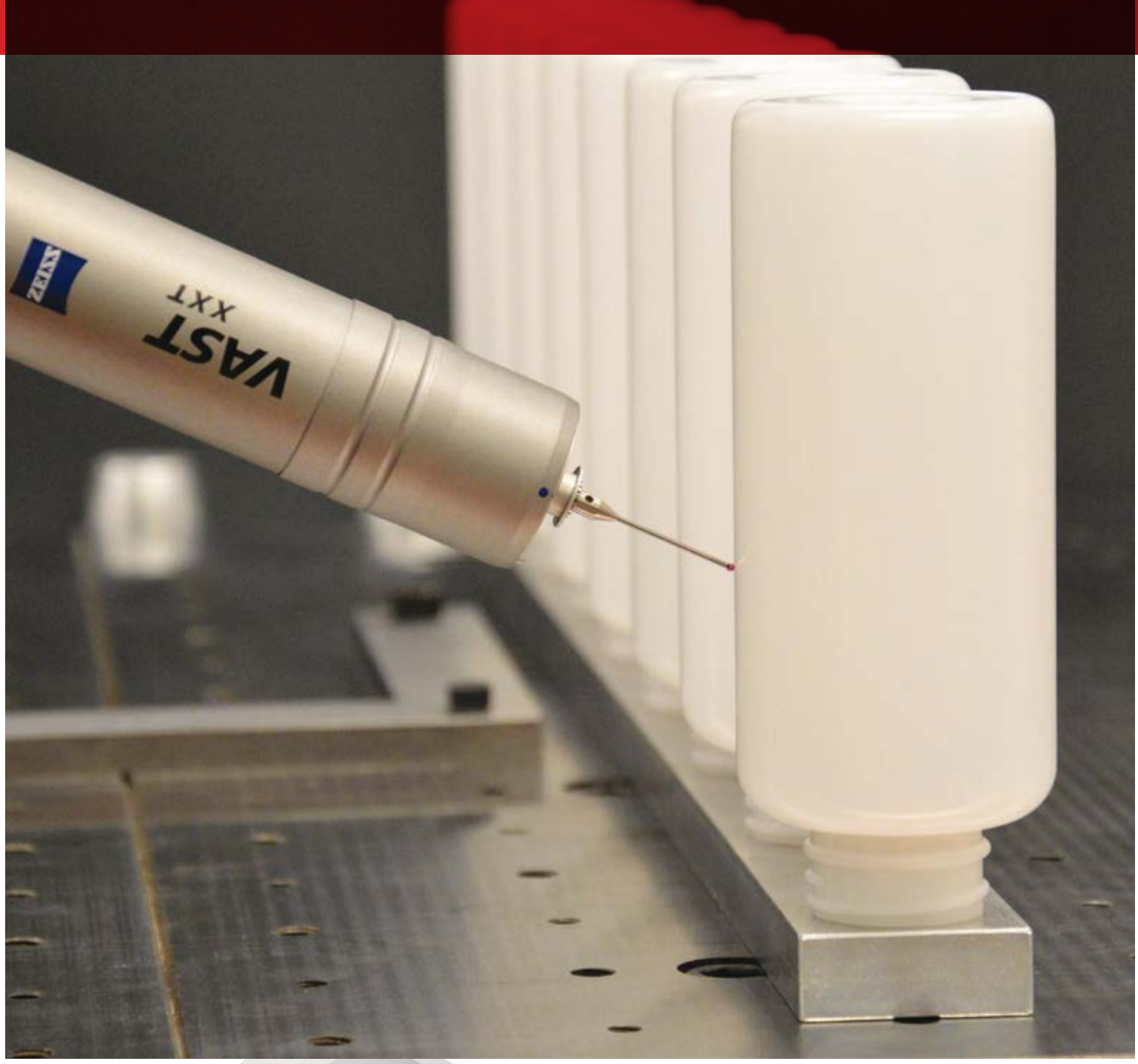



# WE TAKE QUALITY SERIOUSLY


Dedicated measurement laboratory for high precision quality with our 2D and 3D measuring instruments from Zeiss, Tagarno, Contura, Keyence.




## INTEGRATED MANAGEMENT SYSTEM -

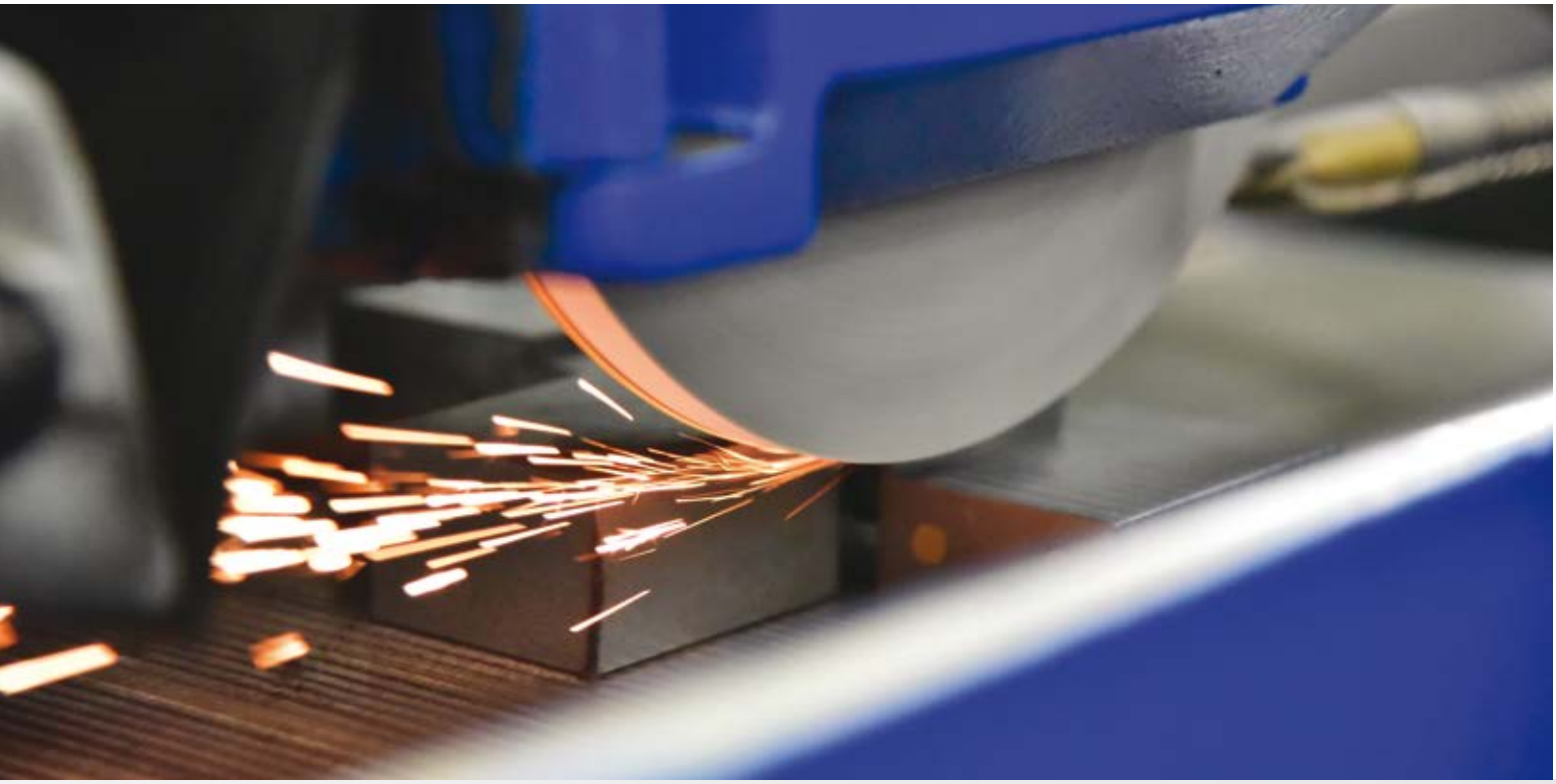
compliance between organizational regulations and international standards:
ISO 9001:2015 – quality management systems,
ISO 14001:2015 – environment management systems,
BS OHSAS 18001:2007 – occupational health and safety management systems.

## AND FOLLOWING:

Good manufacturing practice GMP,
Clean room production ISO 14644, class 8,
Sampling procedure for inspection ISO 2859-1,
Requirements for medical devices ISO 13485,
Requirements for primary packaging materials for medical products ISO 15378.

# PLEASANT WORKING ENVIRONMENT

TEAMWORK – where dedication, motivation, friendship and knowledge meet.

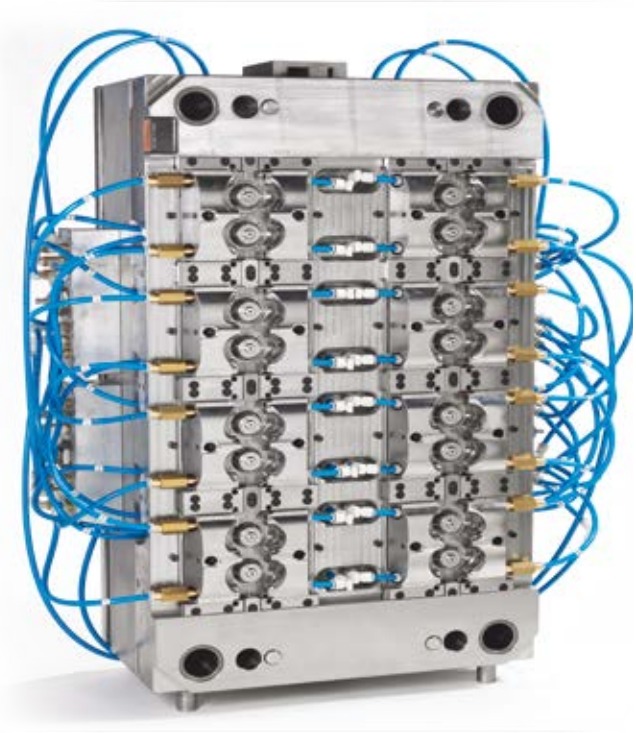


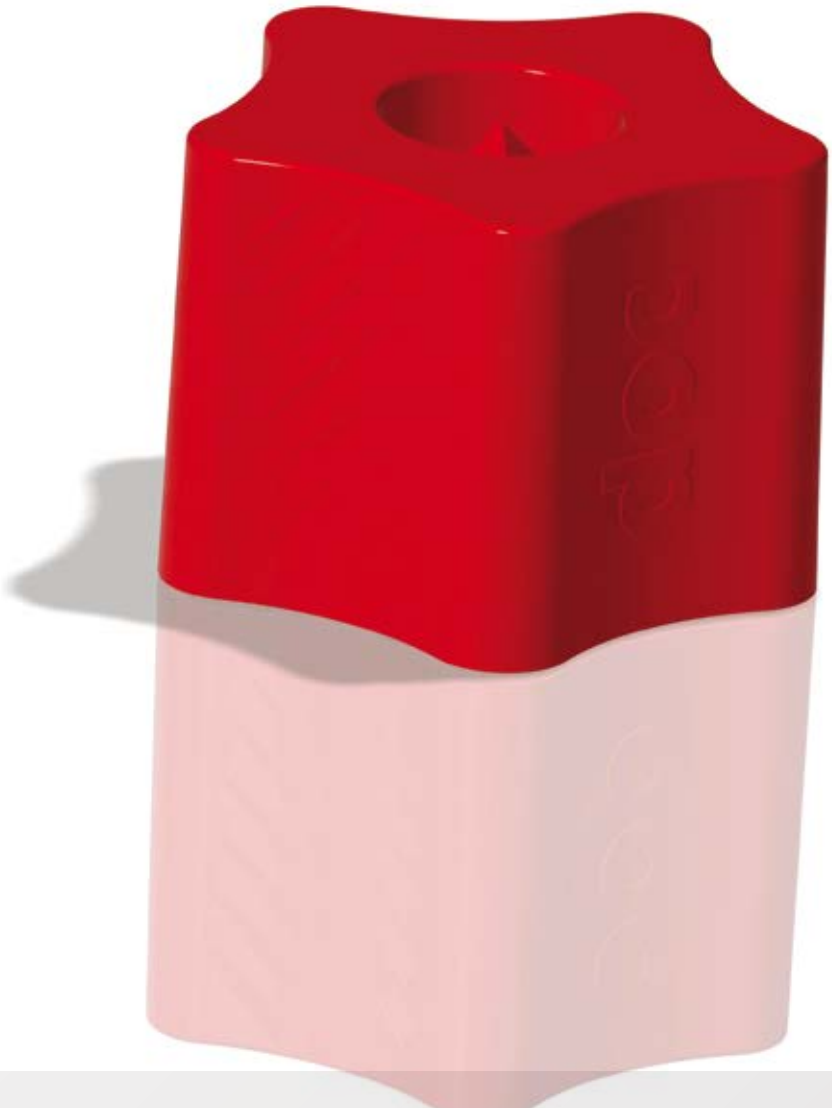
## MACHINE PARK

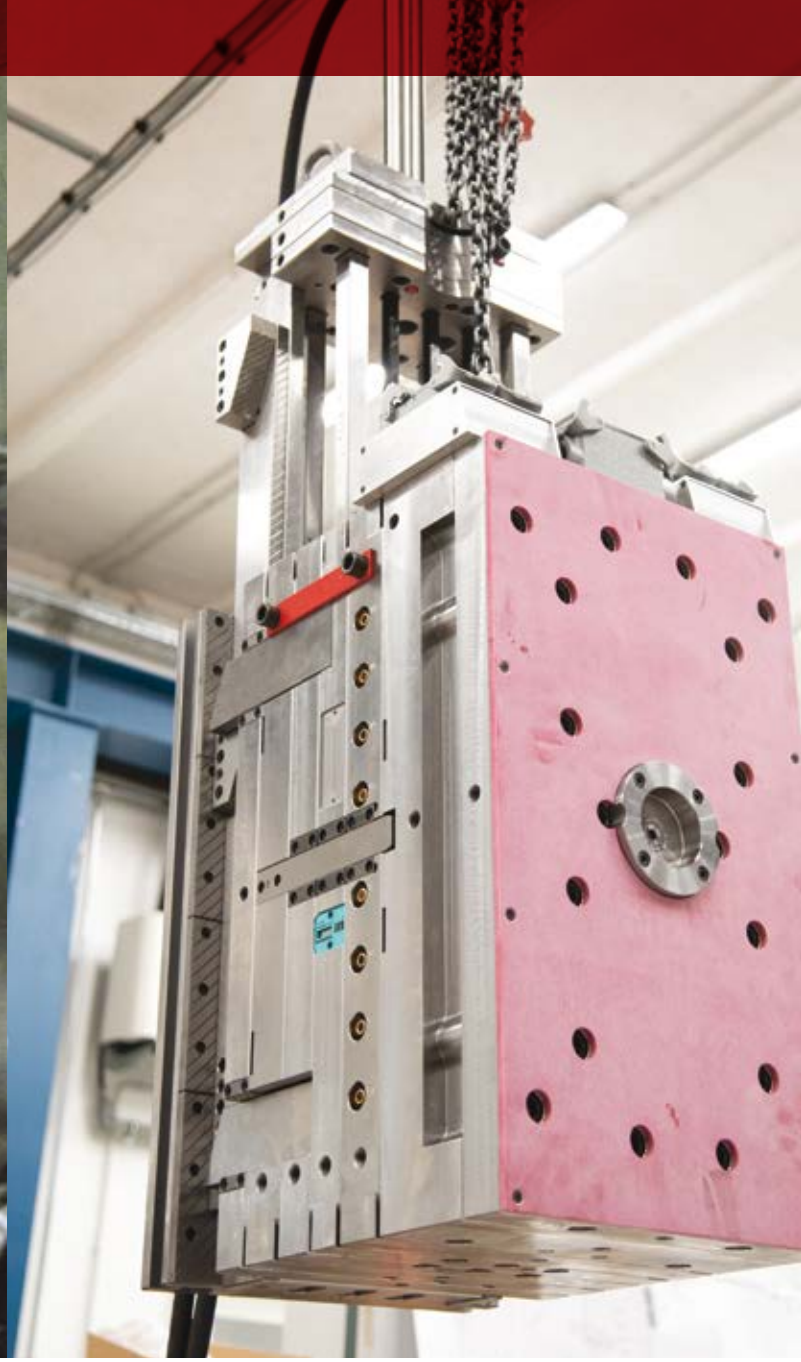
- 100 moulding machines with clamping force: 25 –500 t.
- 90 injection moulding machines.
- 10 injection blow moulding machines with total camera supervision.
- 5 injection blow moulding machines.
- 2 extrudion blow moulding machines.
- 4 hybrid and electric machines.

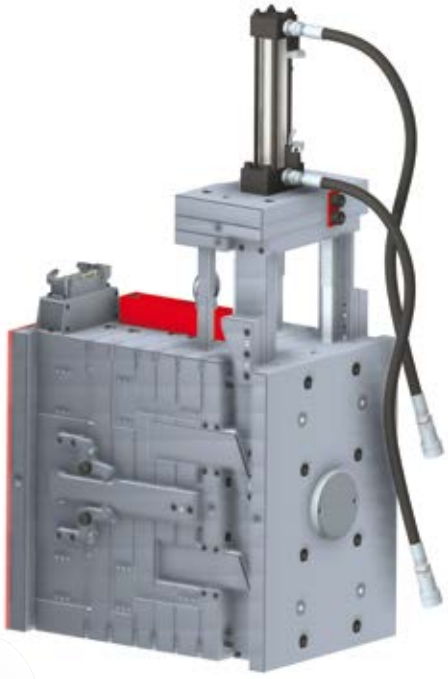
Assembly and process machines, fitted with vision system.
Assistance from robots.

With the knowledge, years of experience and in-house experts, we can produce more than 400 shapes of caps, shoulders, sponge applicators and other closures. By choosing your own colour this number increases to indefinite.










## SIBO GROUP

Kidričeva cesta 99
4220 Škofja Loka
Slovenia – EUROPE
**T:** +386 4 5021 200
**W:** www.sibo-eu.com
**E:** sales@sibo-eu.com
**LinkedIn:** SIBO Group

**USA /** SIBO USA
**M:** +1973 790 7575
**E:** info@sibo-usa.com

**RUS /** SIBO RUS
**M:** +7 (926) 574 2270
**E:** info@sibo-rus.com