

Elevating trust, inspiring passion.

The best solution
for tipping vehicles.



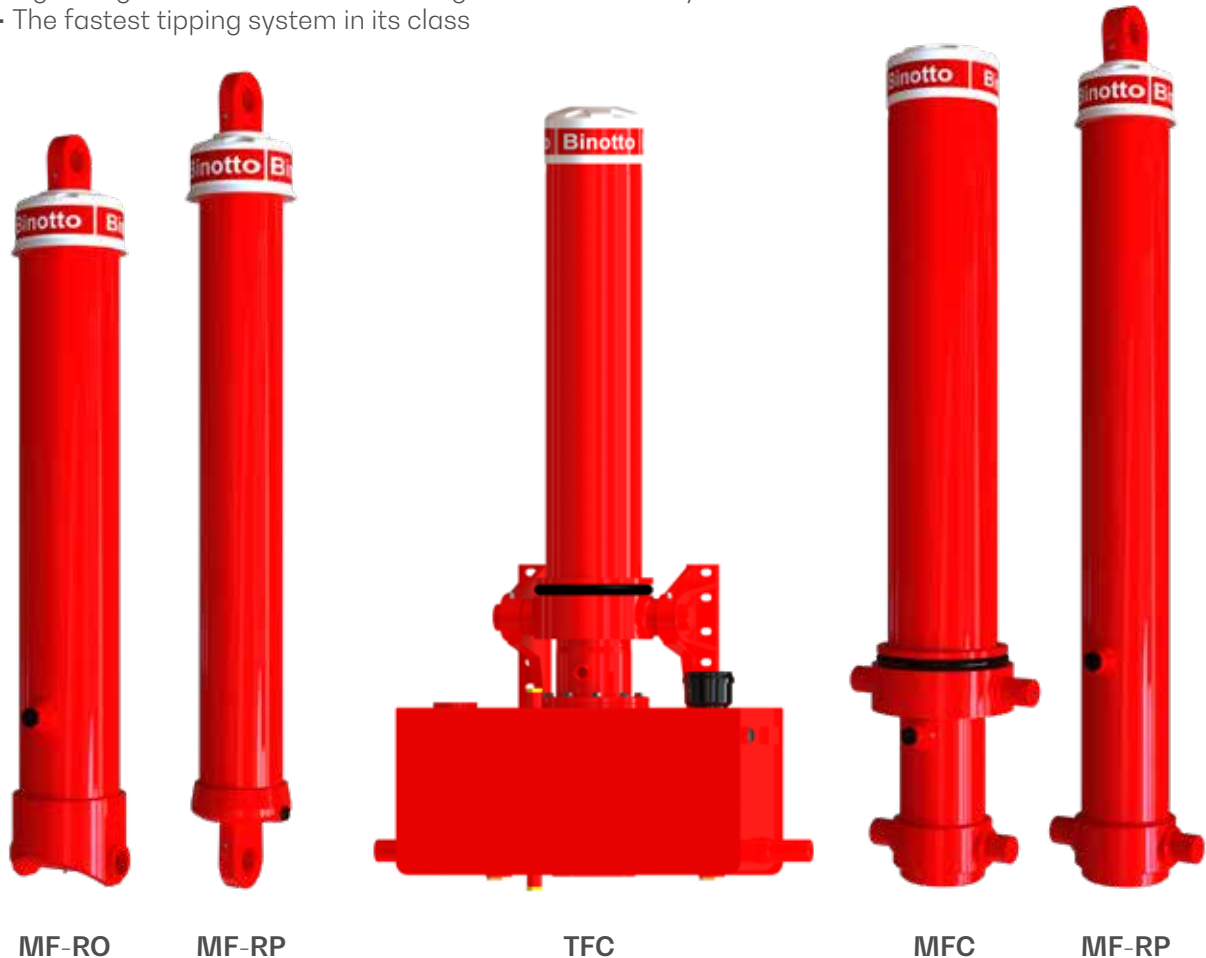
Binotto is leader in the production of cylinders for tipping vehicles, manufactured and tested in 4 cutting-edge production sites. Binotto has always revolutionized the expectations of the market by offering the world's most advanced technologies to enhance vehicle safety and performance.



BINOTTO

Binotto offers the largest range of Front Telescopic Hydraulic Cylinders, designed, manufactured and marketed to fit any tipper trailer, semi-trailer, or dump truck, with lifting capacities ranging from 7 to 100 tons. We provide multiple configurations with a common DNA, using high-strength special steels, innovative design and advanced production processes, ensuring superior design and construction:

- Maintenance-Free product
- Maximum Efficiency over time
- Lightweight construction with the highest level of safety
- The fastest tipping system in its class



THE B3 CYLINDER

The B3 technology: the exclusive solution designed by Binotto Group for heavy-duty applications. Technological innovation and maximum performance.

- Sealing System: double seal system at each stage, for optimal resistance and sealing
- Materials: Internal and external surfaces of the stages treated with a special rolling system for maximum surface hardness
- Solid Design: a unique stage processing that reduces significantly the tolerances and made from solid end-of-stroke system, increasing resistance to lateral force for maximum durability and safety
- B3 Cushion System: a patented technology that cushions the end-of-stroke impact, allowing the cylinder to operate beyond its limits

THE ANTARES CYLINDER

Antares Cylinder – The apex of front-end cylinders technology. The Antares cylinder line represents the apex of front-end cylinder technology, achieved through the combination of the most advanced testing facility available (TCLS) and the latest production techniques. Developed through years of research and testing on components, technologies, design, and production processes, the Antares range is manufactured in highly automated facilities, offering unmatched benefits:

- Unique sealing system, developed thanks to the TCLS facility
- The most secure and durable end-of-stroke system among the stages





MS-OP



MS-SP



MS-CP

UNDERBODY CYLINDERS

From 1 to 11 stages, offering a complete range of tube diameters, Binotto underbody cylinders can be used both for dump trucks and for tipping trailers and semitrailers. Compact, light in weight and simple to operate. For 1-way, 2-way and 3-way applications.





OIL TANKS

Extensive range of rear and side mounted hydraulic oil tanks, in steel or aluminum version. Capacity up to 250 liters, with optional return filter and direct mount of the tipping valve. Unrivalled design to ensure long life and reliability.



TIPPING VALVES

Complete range of Binotto tipping valves and safety valves. Electrically operated tipping valves (for light tippers) and air operated proportional tipping valves for medium-light, medium-heavy and heavy-duty applications.



CAB CONTROLS

Air proportional and and mechanical remote cab control devices for PTOs and tipping valves.





GEAR AND PISTON PUMPS

Gear and piston hydraulic pumps. Wide selection of many types of truck applications. Both uni-directional and bi-directional versions available.

SPECIAL VALVES

Binotto offers high-quality valves for various special applications, such as hydraulic safety valves, flow diverters and other special valves for tipping vehicles.

POWER-TAKE-OFFS

Binotto provides mechanical, pneumatic, vacuum controlled and clutch coupling PTOs for the most of the existing transmission gearboxes worldwide.





TIPPER BODY ACCESSORIES + BFIX

Comprehensive range of tipper body accessories including 3-way tipping kits, rear pivot kits, pneumatic and mechanical/automatic tailgate release kits, body clamps. The Binotto b-fix system cushions and anchors the tipper body to the chassis, preventing harmful vibrations from the ground.



END-OF-STROKES

Pneumatic and hydraulic end-of-stroke valves as complementary accessories of the tipping kit, increasing safety and control of the whole system.

HOSES AND FITTINGS

Top quality hoses and fittings (both suction and pressure hoses), ensuring reliable and steady performances to the whole hydraulic system. Available also as spare parts. High pressure hoses available upon request.



A close-up photograph of a red, textured mechanical component, likely a bracket or housing, made of Binotto Silamid. The component features a large, recessed rectangular area with a diagonal ribbed pattern. Two silver-colored screws are visible: one on the left side and one on the bottom left. The text "BINOTTO" and "SILAMID" is embossed in the center of the recessed area.

BINOTTO
SILAMID

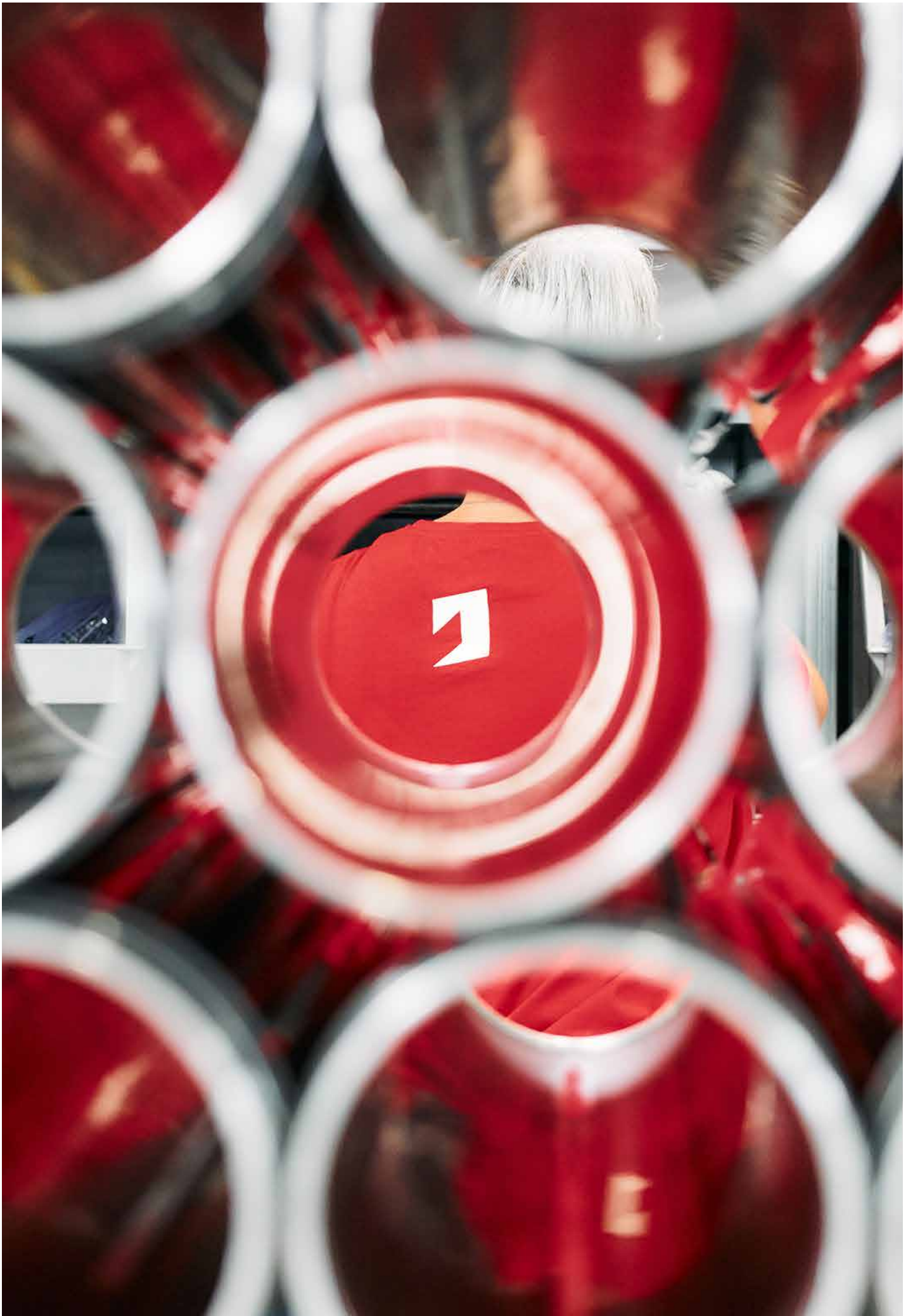


TCLS by BINOTTO

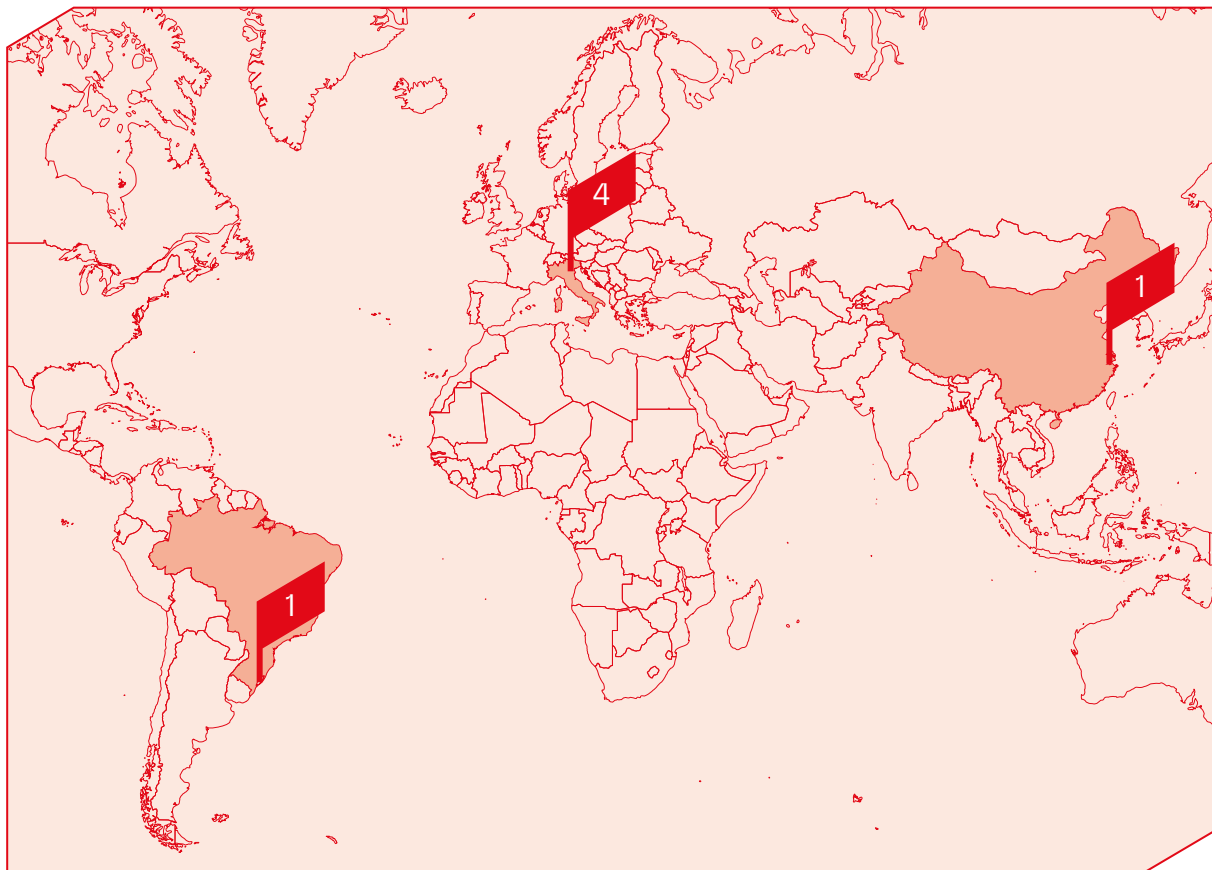
The Telescopic Cylinder Life Simulator (TCLS) is a unique testing system for its ability to faithfully replicate real-life operations. Its advanced monitoring features offer benefits that extend from our company to our customers, who can rely on high-quality products and trusted performance. The TCLS is designed to simulate the tipping cycle of almost every vehicle and body configuration, with different load capacities and speeds. This process allows a comprehensive and comparative analysis of the performance of every single component.







Binotto Group



Production facilities

Binotto
Dueville, IT
Stanghella, IT

Tecno3
Fiorenzuola D'Arda, IT

Mariz
Fontaniva, IT

Binotto Brazil
Flores da Cunha, BR

Binotto China
Wuxi, CN

Subsidiaries

Italy
Spain
Ireland
UK
Poland
Russia
Usa
Peru
Chile
Brazil
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