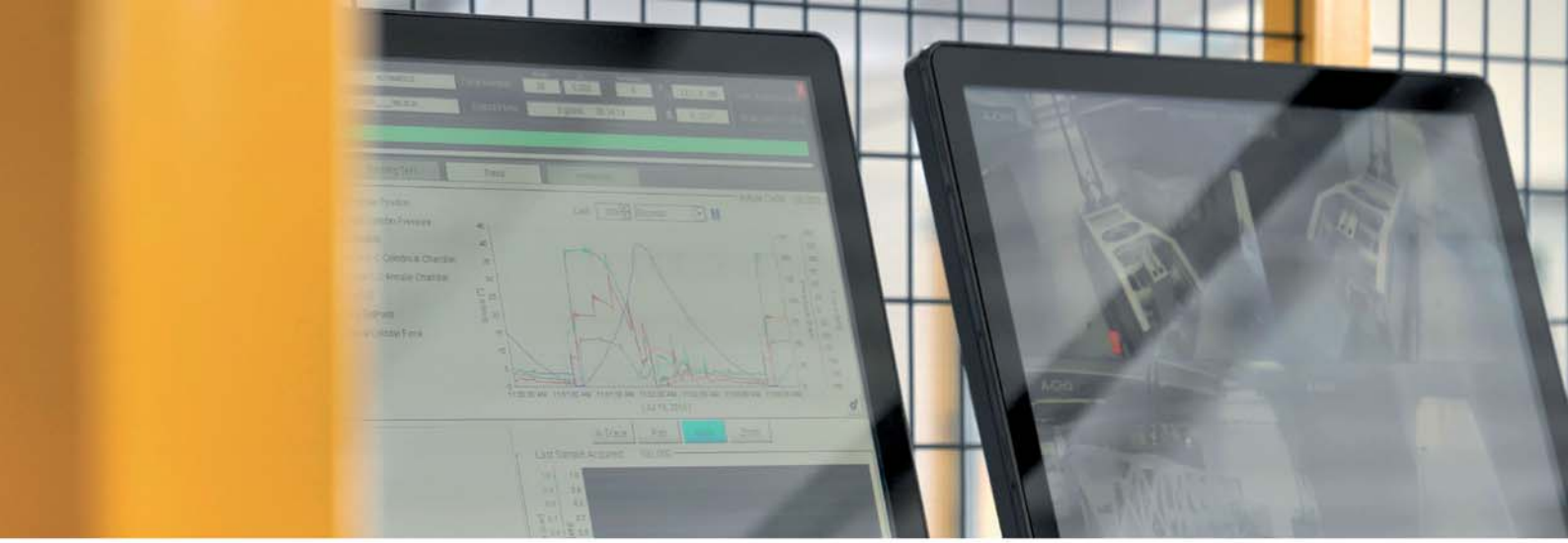
TCLS

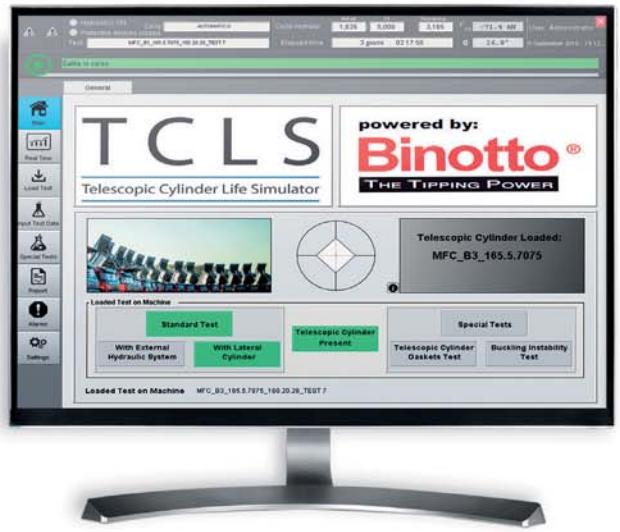
Telescopic Cylinder Life Simulator

turn
the key
do it
together

the first and only machine of its kind
which simulates,
measures and compares
the performances
of telescopic cylinders
when in operation

Binotto®
THE TIPPING POWER
www.binotto.com





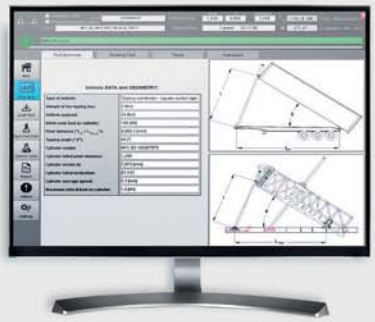
Binotto R&D Department has moved beyond the standard idea of testing machine and recently developed the Telescopic Cylinder Life Simulator (TCLS). This **groundbreaking innovation** which is unique for its capability of replicating real-life operations features high-technology materials, infinite life components, impressive power and dimensions.

TCLS accurately simulates the **tipping vehicle during operation**: after setting the tipping body geometry, cylinder dimensions and working parameters, the machine performs tipping cycles for the set number of times. The system monitors the hydraulic cylinders through special innovative sensors and provides a detailed report for each cycle (both raising and lowering phases).

We can control and set several key parameters, including different **axial and side loads, speed, pressure, stress** and measure the related effects on the cylinder.

It also allows reliable product comparisons, which were impossible to perform until now.

In addition, based on the tests TCLS provides **official performance certifications** to tipping body manufacturers and customers.

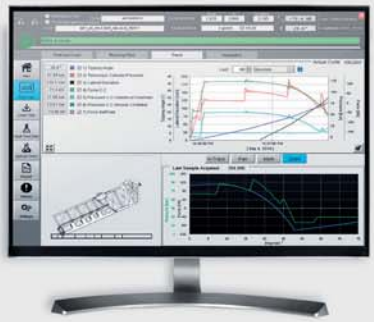


ADAPTIVE: TCLS is designed to simulate the tipping cycle of almost all tipping body/vehicle configurations at real working conditions and compare the performance of different cylinder models.

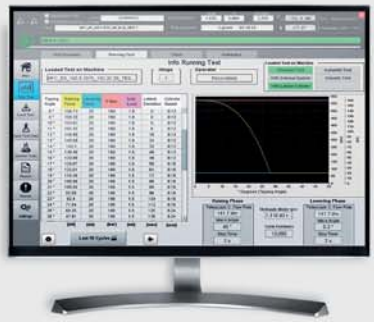
The system can be configured to perform tipping cycles with different payloads and cylinder speeds, also monitoring the effect of side load and measuring the consequent lateral deviation.

Thanks to the TCLS cutting-edge technology, we can accurately set and **simulate the unloading pattern of all materials.**

REAL-TIME: the high-quality sensors accurately detect data which the software immediately converts into detailed graphs and tables for real-time monitoring of the test.



turn the key do it together



CERTIFIED: all data are reported into summary tables and charts. These ready-to-use reports show the test values at each position/angle of the tipping body for each cycle, revealing and certifying the performances of the telescopic cylinder. Like never before.

If you want to know more about TCLS, please contact us:
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