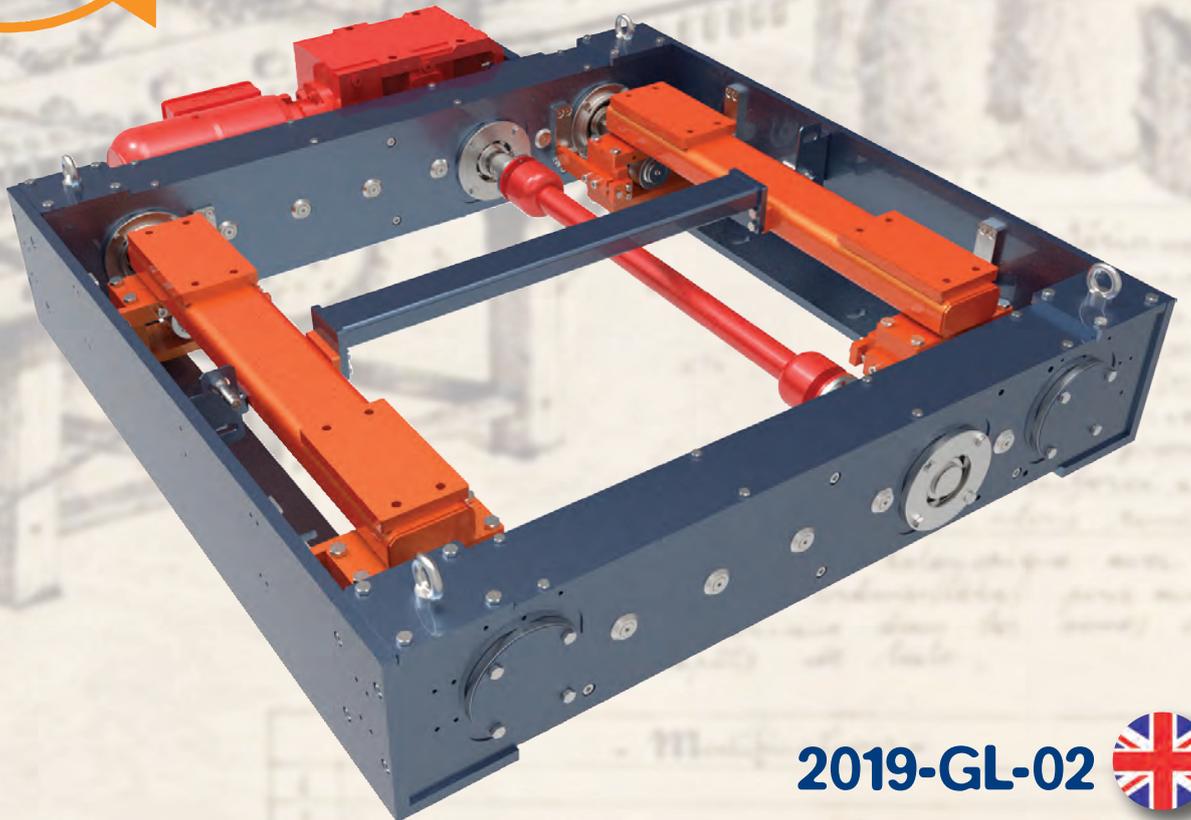


# LHD<sup>®</sup>

LOAD HANDLING DEVICES

## ATLAS AND GEMINI GEAR LIFTS



2019-GL-02 



# ATLAS AND GEMINI GEAR LIFTS



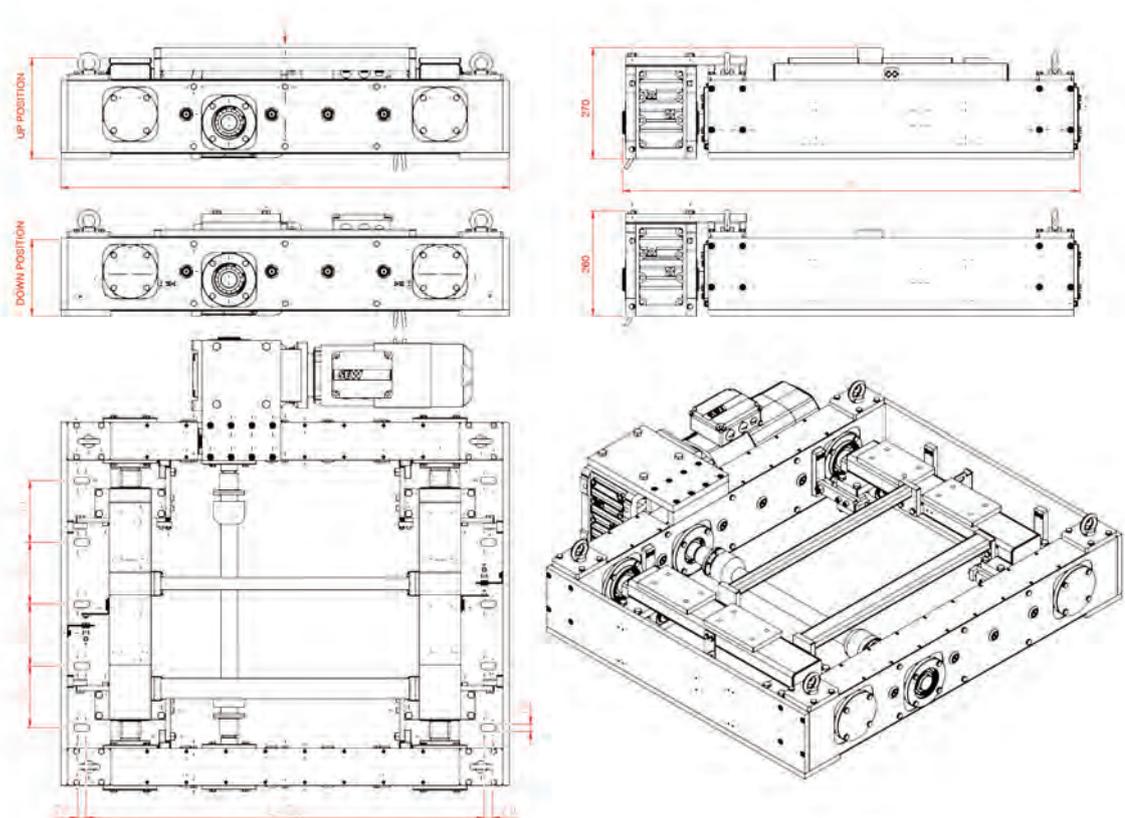
The ATLAS GEAR LIFT is a basic complementary equipment in logistics and automation industry, since it provides the designer with the possibility to have a Y-axis on shuttles, AGVs and wherever there is no other available system to free the load unit within the pick-up or lay-down phases.

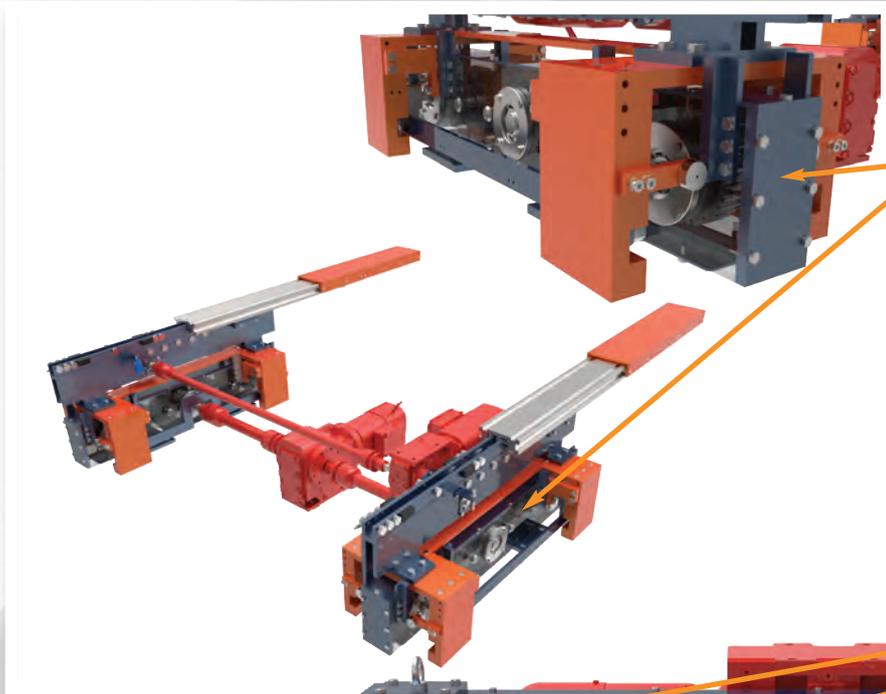
To ensure efficiency, a powerful, accurate, reliable maintenance-free system is needed. For these reasons, the movement of our Lift is entirely gear-driven - unlike our competitors' ones, relying on chains. This powerful and silent system, with 60 mm to 120 mm of lifting stroke, allows lifting elevate loads with an inconsiderable deflection and a guaranteed coplanarity within 0.5 mm; something inconceivable in chains-driven lifting devices. Whoever adopts this gear system gains the great advantage of a close-to-zero maintenance on-board the GEAR LIFT, whereas the chain-driven ones need constant adjustments.

Hence, ATLAS GEAR LIFT is indeed a winning equipment, both from a technical and an economic point of view.

VERSION	Q LOAD (KG)	H OVERALL MACHINE HEIGHT (MM)	T SINGLE STROKE TIME (SEC) *
ATLAS	1000	240	2,5
ATLAS	2000	320	2
GEMINI-1	500	380	2,5
GEMINI-2	1000	380	2

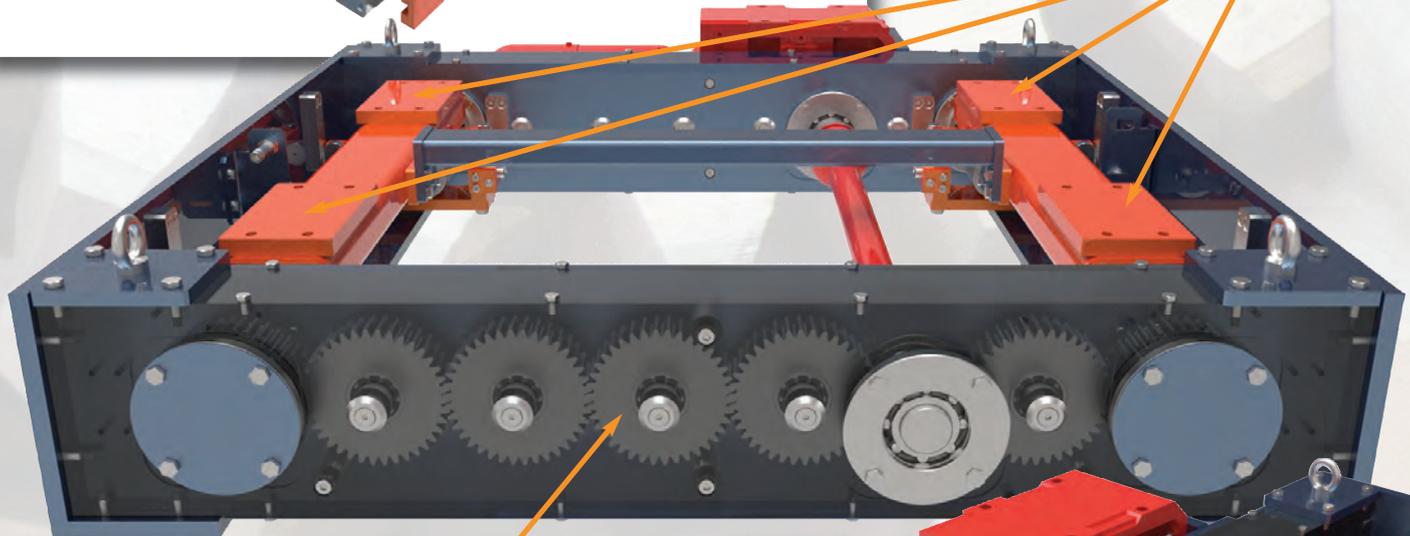
\* the data in the table are approximate and may vary depending on the model of the used forks and the application





as an option, the GEAR LIFT is also available in the GEMINI version, whose base frame is not consisting of a single massive body but by two smaller "twin lifts" connected by a cardan shaft (so with 8 cams instead of 4), with a remarkable weight saving

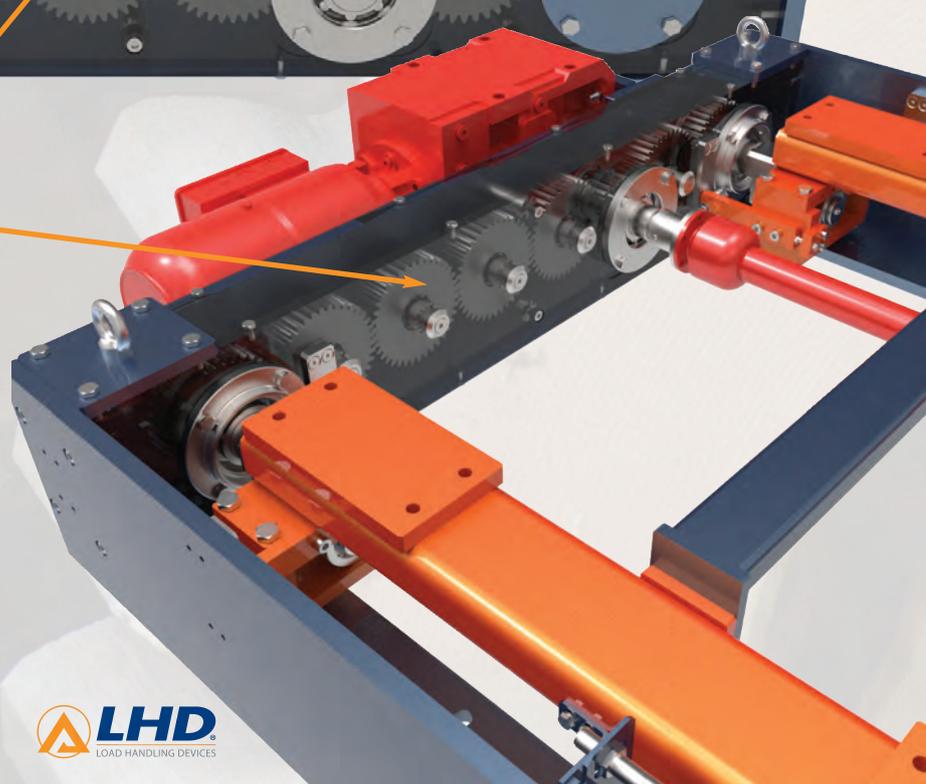
motion of the lifting frame with a coplanarity accuracy at a scale of 0,5 mm on the 4 corners



operation through induction-hardened and nitrided 42CrMo4 gear train

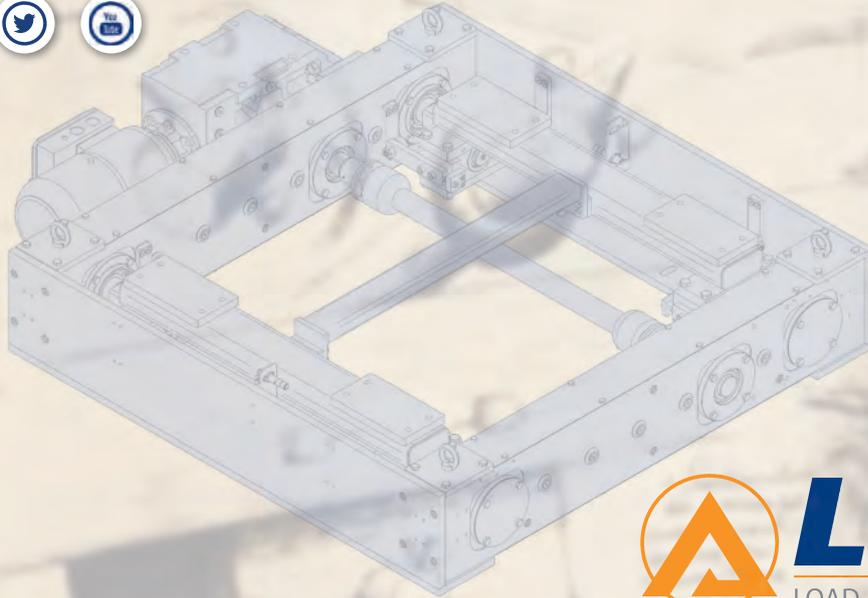


up/down position control through inductive sensors





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