



## **EOS-ENVIRO ISO Container Handling Unit ContiLift CHU** **Suitable for 40'/45' ISO-Containers & Bins up to 80 tons & 18 mtrs.**

The recently developed EOS-ENVIRO ISO Container Handling Unit Series **ContiLift CHU-40** truly represents a revolutionary design, which has great capabilities to change the market of transport logistics in terms of the economic handling of 40'/45' ISO-Containers and – optionally - of oversized bins & trays !

Capable to lift and to dump payloads (such as ISO-Containers & Hook Lift Trays, Bins etc.) with a max. weight of tremendous 80 tons (!) and lengths up to 18 mtrs. (with Telescopic Semi-Trailer), the **ContiLift CHU-40** Range is opening unexpected opportunities for your operations now.

The fast and proven lifting method by a sturdy hydraulic hook arm, which is also produced by usage of wear resistant & high-tensile Steel DOMEX as the sliding cart, enables you to lift payloads with a lifting angle of 16° (40' ISO Container) within a cycle time of approx. 40 seconds - compared with approx. 3 minutes in regard to conventional side loaders - as well as to dump sea containers and outsized bins with a tilting angle of approx. 45° with one and the same unit !

The hinged ISO Container Spreader at the boom top section is forced to connect automatically with the upper sea container's corner castings by integrated locking pins whilst both corner castings at the bottom are embraced at first by the extended, hydraulically operated crossbar with locking pins and then safely connected to the Spreader - after retracting of the crossbar – by the automatically inserted locking pins.

By activating the Rotation & Extension Lift Arm with the Crossbeam Spreader upwardly, the payload is pulled by the Front Carriage onto the semi-trailer chassis and also simultaneously moved in the horizontal direction forwards - respectively for unloading in the opposite way. During the dumping mode the Front Carriage, to which the payload is fixedly connected, is tilted max. 45° by a frontally installed hydraulic cylinder upwards in order to achieve a total emptying. Whilst tipping the ISO Containers and Bins etc. are secured on the Rear Rollers and also by the front carriage to avoid an accidental release of the payloads.

The hydraulically operated Rear Roll Stabilizer makes the loading/unloading procedure safe by giving also stability on - a little bit - uneven ground during lifting and dumping of payloads., which is secured during transport with 4 - respectively 8 - integrated Twist Locks.

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Operated by Radio Remote Control and secured by Emergency Solenoids, the **ContiLift** Range is supplied as a prefabricated Mounting Kit for self-assembling onto a suitable semi-trailer at your site or delivered fully installed by us onto a semi-trailer and therefore, fit for immediate purpose ! Necessary documents for obtaining the required homologation in terms of the semi-trailer chassis are provided by us, of course.

To prolong the system life, all of the high resistant Hydraulic Cylinders are double plated and salt spray tested - ensuring a long durability and your satisfaction with that extraordinary & versatile transport logistics system.

**The superior **ContiLift** CHU-40 Range truly highlights once more the outstanding engineering abilities of EOS-ENVIRO and its partners !**



We retain the right of technical alterations without prior notice.

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