

POWER-LIFTS

PUSH CHAIN

RIGIDIZED CHAIN

SCISSOR LIFT TABLES

LIFTING PLATFORMS

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Product Range

Our product range includes hydraulic scissor lifts, spindle scissor lifts, belt-driven lifts, rigid-chain-driven lifts, coil cars and hydraulic mast platform lifts.

The range of application is wide and our customers come from a variety of sectors including the automotive, steel, wire, machinery, paper and timber industries, next to private and public-sector clients.

Rigid Chain Lifts



Rigid Chain Lifts

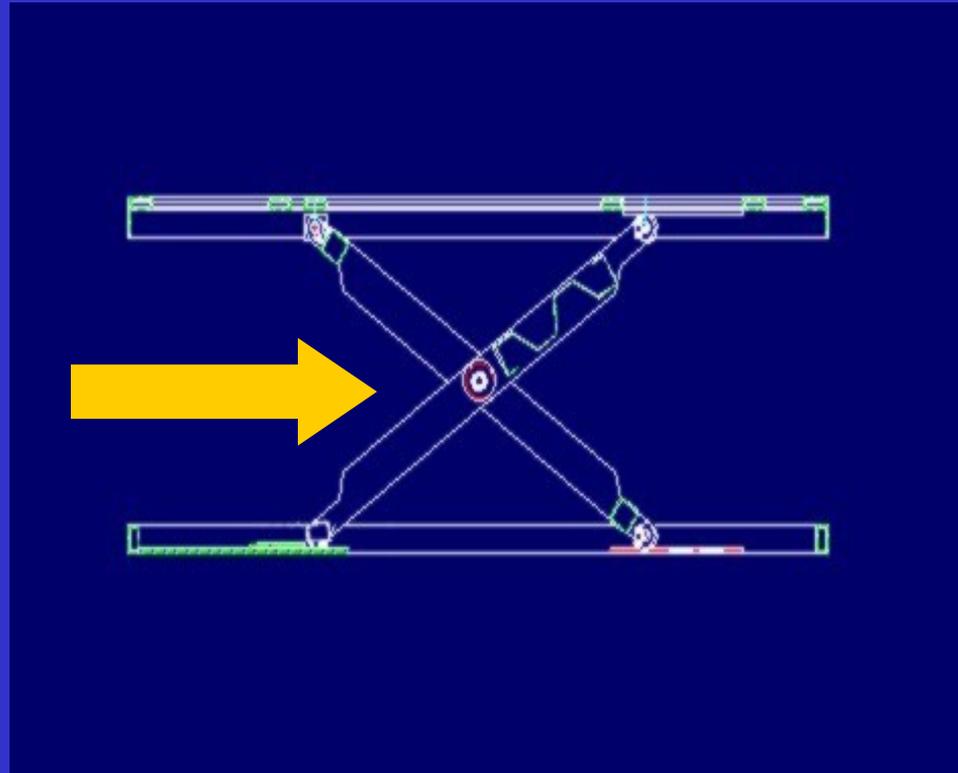
The new rigid chain transmission system provides many advantages to previously known systems.

Previous transmission systems

- **Hydraulic**
- **Spindle screw**
- **Belt**

Previous power transmission

These systems always transmit their power into the scissor, in order to push the platform upwards.



This means:

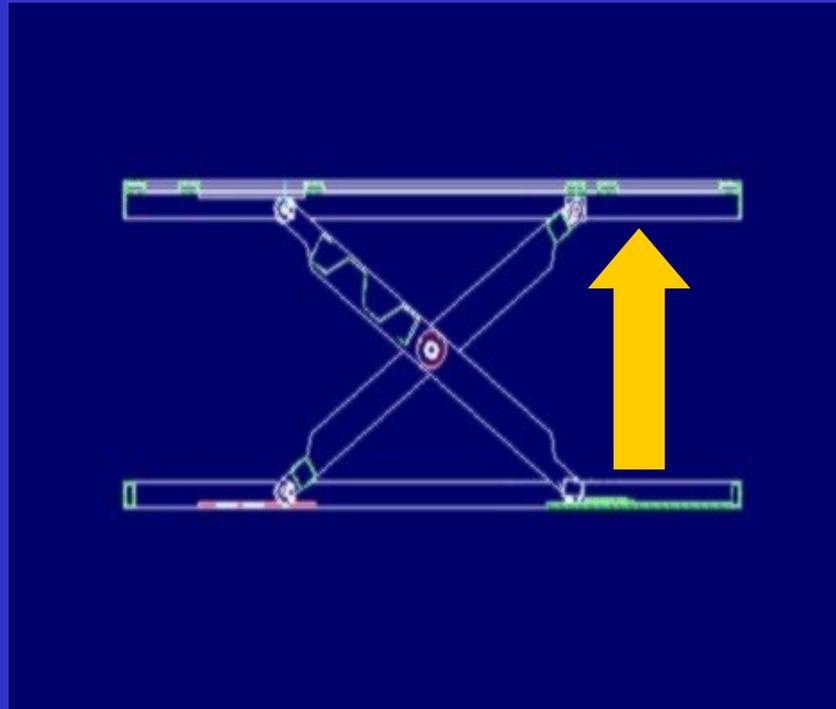
When lifting from the lowest position, 7 times as much force as the load is needed to move the lift upwards.

This results in a strong usage of the scissor-axle- and other bearings.

Often the lift must be designed in an overdimensioned way to cope with these forces.

Rigid Chain System

Our system transmits the force directly to the platform and pushes the platform up only with the force actually needed.



The result:

The force needed is much lower, as the load is pushed 1:1 upwards.

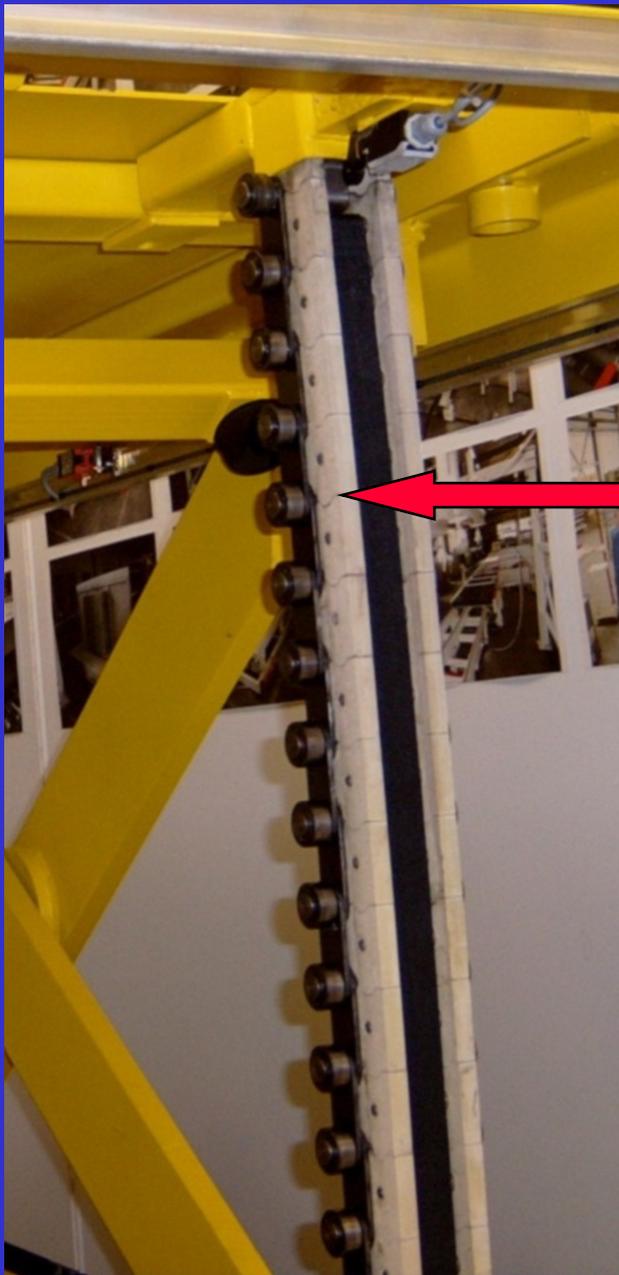
The scissors and bearings are relieved as they are not exposed to high loads any more.

The lift can be built in a more compact and lighter way for the same type of application.

The rigid chain

The chain carries the load only on the surfaces of the links and forms a rigid column.

This is in sharp contrast to other chain types, where the load is carried by the axles, therefore causing severe wear and needing constant lubrication.



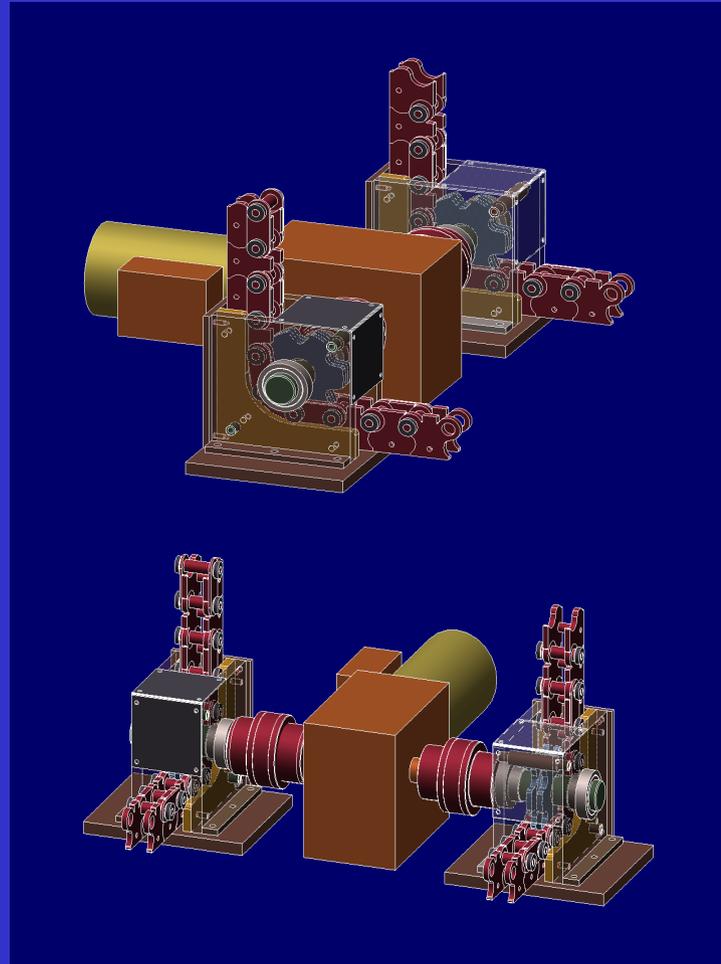
Maintenance and servicing

The rigid chain system works virtually maintenance-free, without oil and grease and is almost without wear and tear.

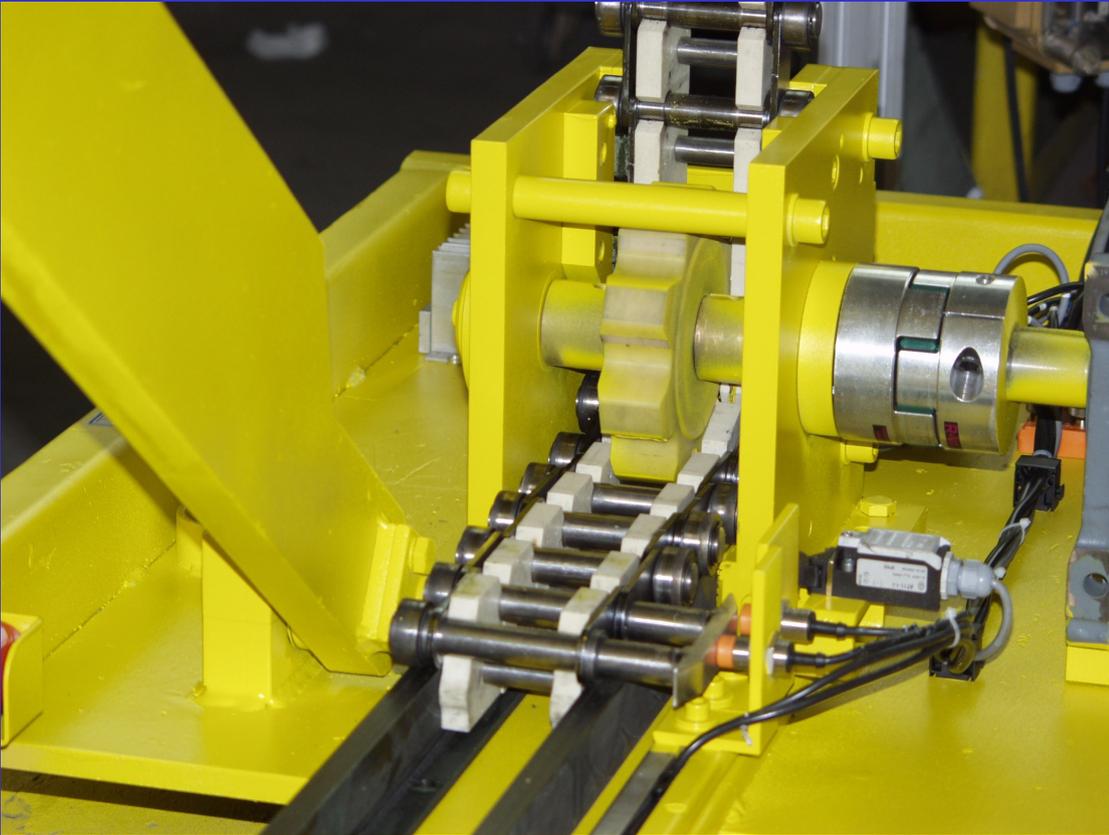
For servicing, all parts are well accessible and easily replacable if ever needed. All assembly groups are bolted.

The drive

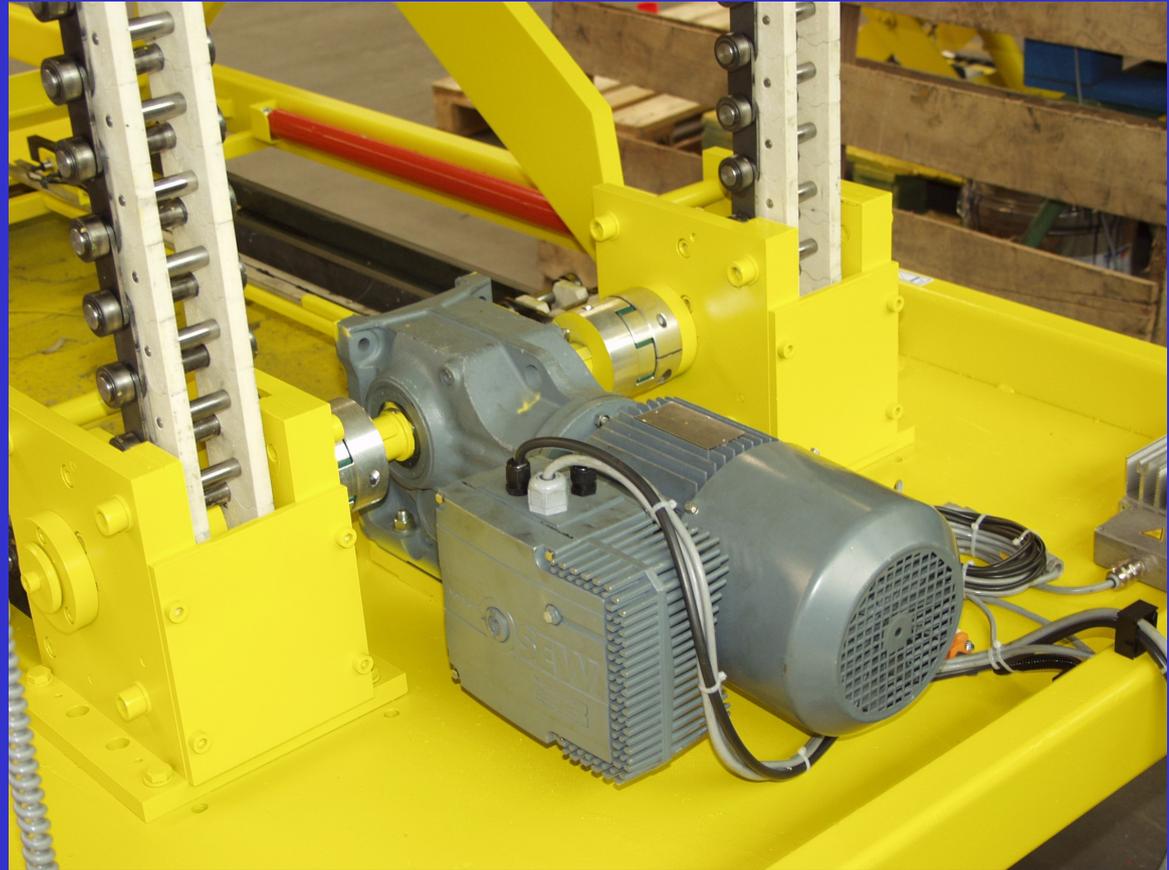
Drive unit with
motor, gearbox
and deflection unit.



**Deflection unit with
driven sprocket and
stroke supervision**



**Drive with gearbox,
motor, frequency
converter and
deflection unit.**



**Top view with
deflection unit and
stroke supervision**

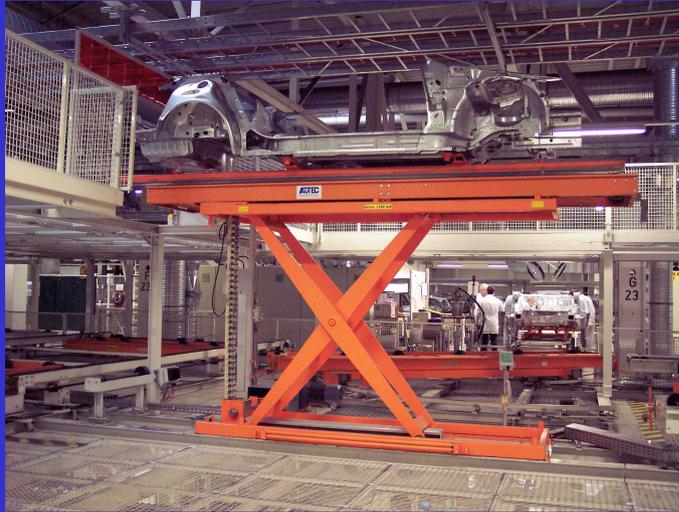


List of references:

Include:

- Daimler Wörth/Germany
- Audi Neckarsulm/Germany
- BMW Regensburg/Germany
- Peugeot S.A./France
- Porsche Leipzig/Germany
- Ford Cologne/Germany
- AGFA Gevaert/Belgium

Examples of Rigid-Chain Lifts



Lift at Audi Neckarsulm



Lift for Audi



Lift for BMW Regensburg, with one stand-by gear-box