



**”One-Box“ Linear Slide LE 100.1  
with Dual Locking Mechanism**

- The complication of work contents used in cells leads to space/collision problems
  - Individual assembly groups must be removed “out of the way” within a cycle
  - Component versions require traversing of the assembly group in two different work positions
- Result: Demand for linear slides for typical weights of 50-100 kg at strokes up to 500mm and play-free locked end positions increases.

The classic linear slide is an individual design where various different elements are used e. g. guides, drive cylinder, shock absorbers, shot pins or locking clamps and sensors.

Disadvantages:

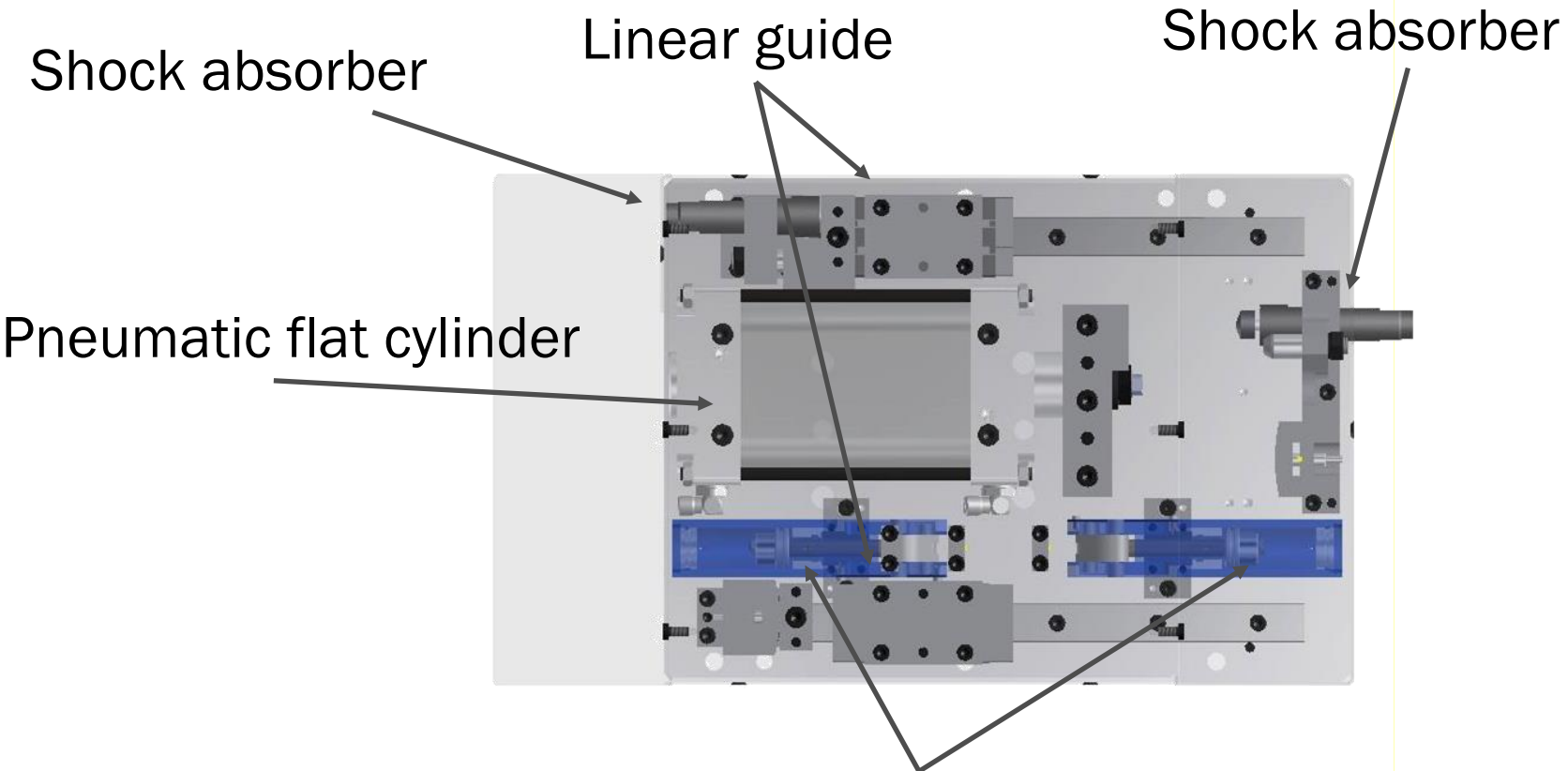
- Special design with cost intensive spare parts inventory
- Large installation space, as components are not specially designed to be applied in linear slides.
- Can cause problems for access as there are many protruding edges



Special Design Linear Slide

With the objective to use space efficiently and to create an extremely flat design, the unit LE 100.1 was developed together with clients of the automotive industry:

- Drive with flat cylinder ZF 63
- Locking mechanism at both end positions by power clamp K25 with locking hook in monoblock design
- Layout of all functional elements with guide rails, shock absorbers and sensors in a manner ensuring optimal use of the base area and enabling a rectangular box design



Mechanical locking with power clamp

## Characteristic features:

- Flat oval pneumatic cylinder ZF 63 for drive
- 2 x recirculating ball bearing guide
- 2 x power clamp K25 for end position locking
- Mechanical stops and shock absorbers
  
- External measurements:  
410 x 300 x 105
- Load max.: 100 kg
- Stroke: 50 - 100mm
  
- **Please find further information / data sheets / operating instructions / models on the Internet**



## Thank you for your kind attention.

**Contact:**

**Christian Kleinschmidt**

Telephone +49 (0) 2102-45 17-595  
E-Mail: christian.kleinschmidt@tuenkers.de

TÜNKERS Maschinenbau GmbH  
Am Rosenkoth 4-12  
40880 Ratingen

Telephon +49 (0) 2102-45 17-0  
Telefax +49 (0) 2102-45 17-9999  
E-Mail: info@tuenkers.de  
Internet: www.tuenkers.de

[www.tuenkers-modular-automation.de](http://www.tuenkers-modular-automation.de)

