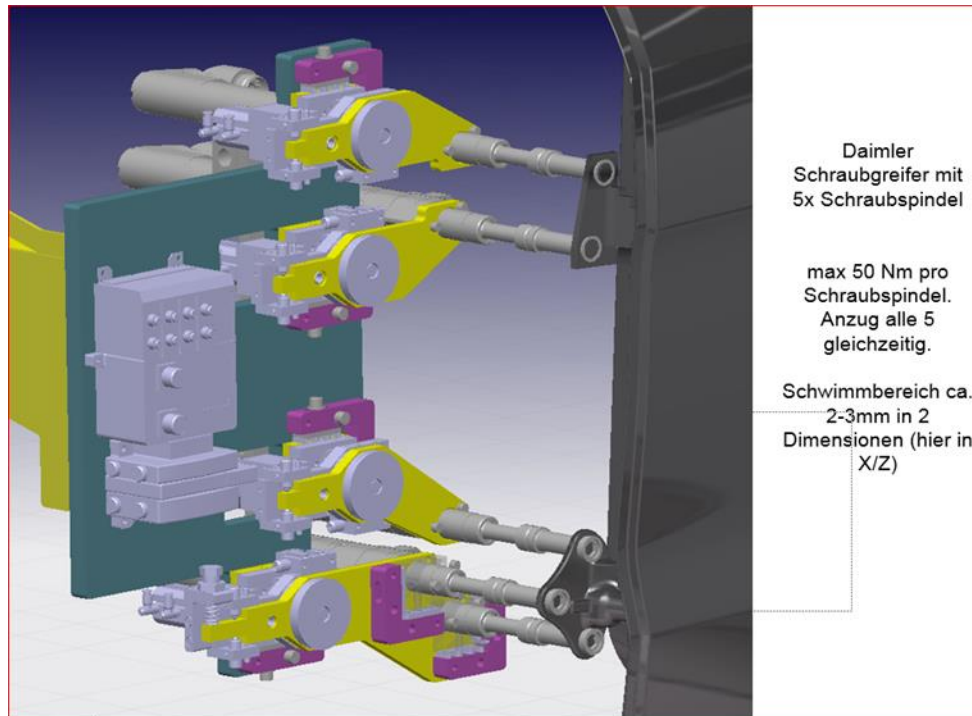


# Door assembly



# Current situation 2009

Own design balancer for power screw driver in the assembly of doors



## Disadvantage:

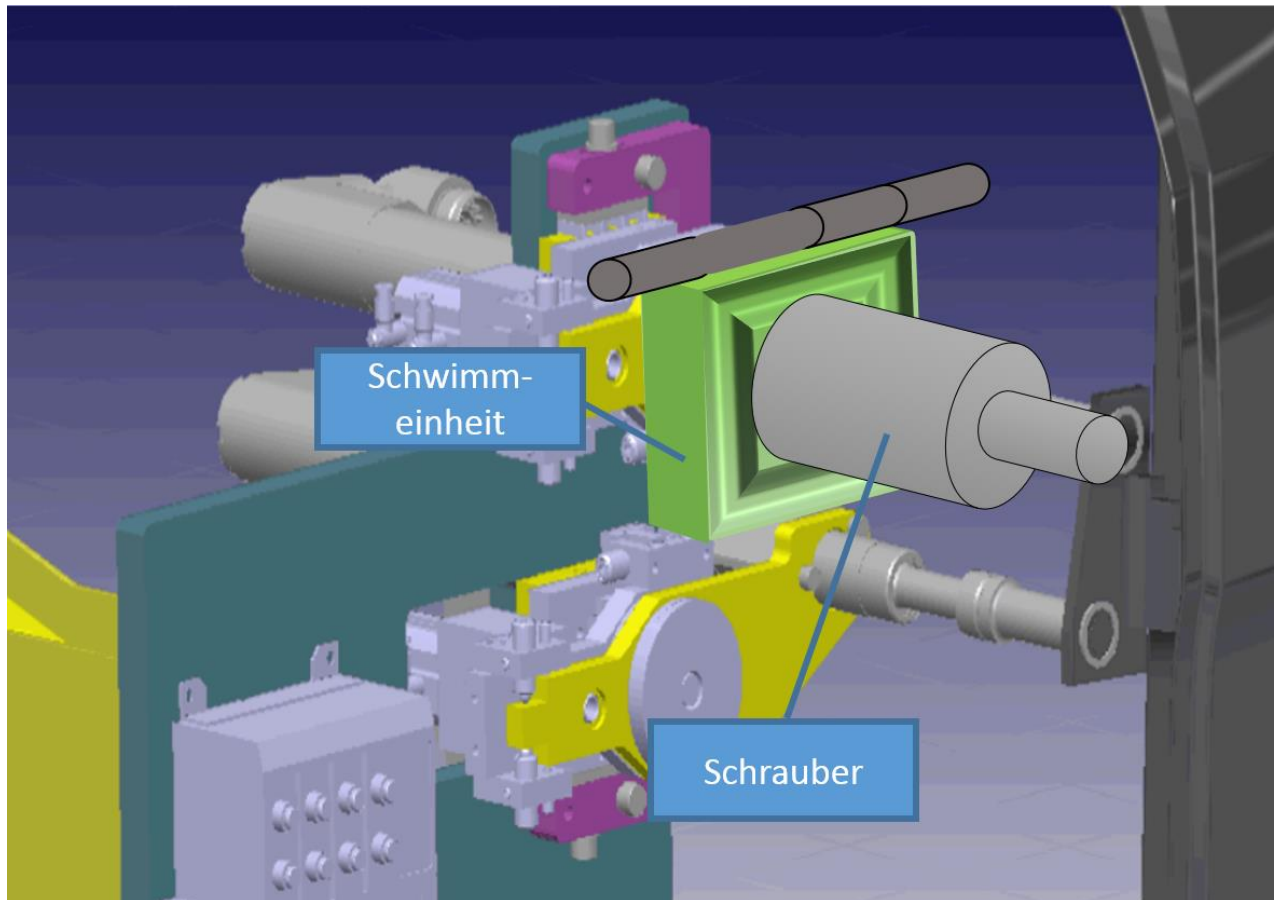
The power screwdriver will be mounted in all directions (vertical, horizontal and inclined).

A compensation of weight is made by a spring. Not defined and reproducible adjustment.

# Balancing unit



# Today's situation



# Customer benefit

- Shorter → increased accuracy and better quality
- Easy to adjust in X and Z direction → shortage of setup time
- Short arm of automatic screw driver → increased process stability
- Reproducible setting → shortage of setup time
- Less weight → lower energy consumption
- Adjustable preload on springs → different automatic screws can be balanced
- Simplified design → less maintenance
- Identical units for all purposes → Standardisation, smaller sparepart stock
- In total cost savings