

EXPERT-TÜNKERS EGV Series

- **EGV-Series – Globoid Trunnion**

All advantages of the EXPERT globoid index drives EGD-Series are now available in an optimized Version. It has been redesigned to match the high standards of the multi-model manufacturing facilities. Available in two sizes as EGV-090 and EGV-125.

- **Compact Dimensions – More Working Space**

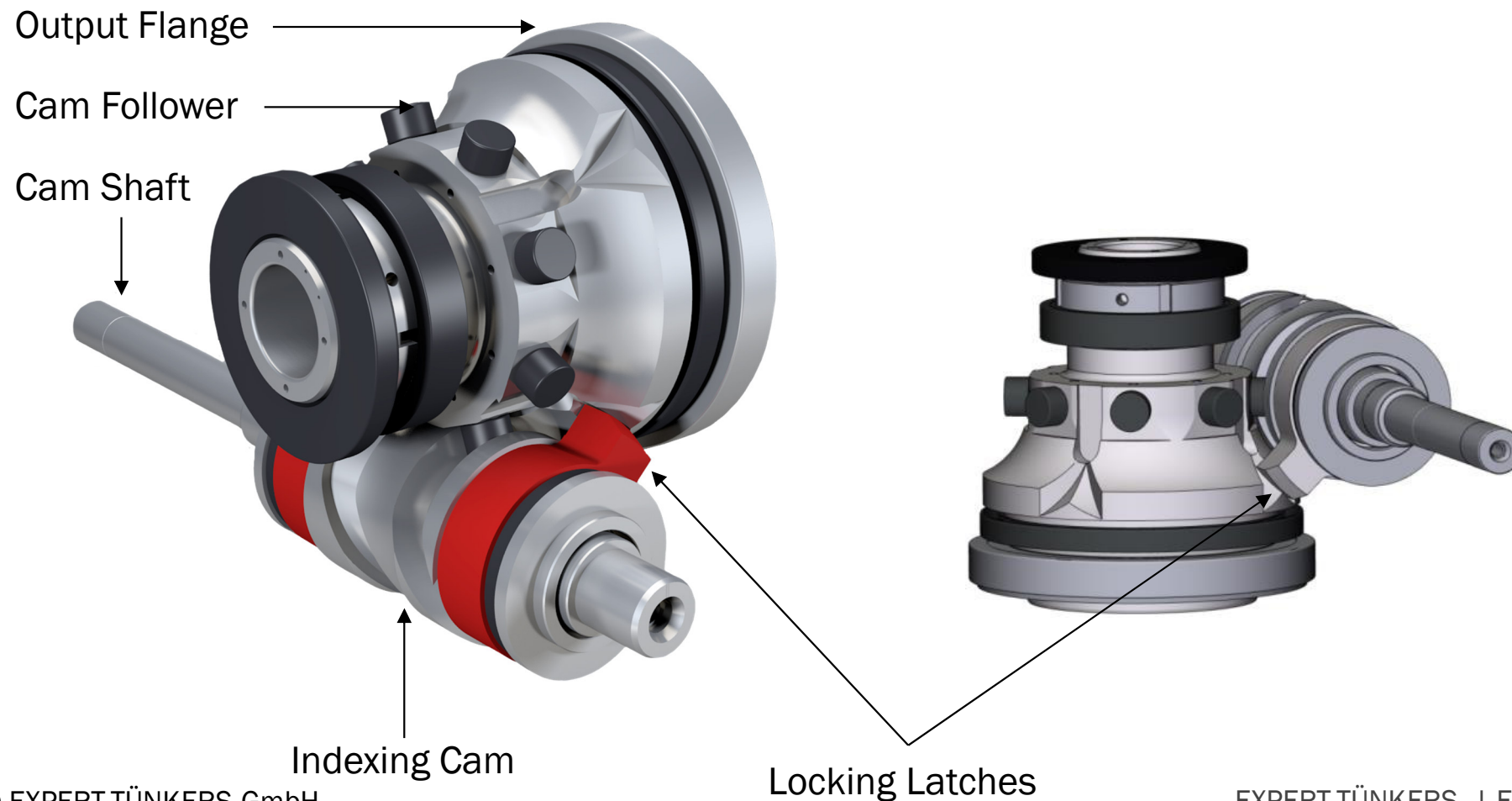
As a result of the redesign, the size of the EGV has been reduced to a minimum – this makes it the ideal choice as drive module for the flexible underbody clamping technology.

- **High Static Load Rigidity – No Extra Locking Device**

The EGV-Series allows high static loads in the locked working position. The patented internal locking-mechanism absorbs all forces – no additional device needed!

- **Low Cycle Times – High Dynamics**

- Reliable EXPERT Globoid-Drive
- Reduced backlash fitting to compensate high dynamic torques
- Integrated mechanical locking
- Transfer of high static moments



Application Example „Windmill“

EGV-Trunnion as drive module for the flexible underbody clamping.

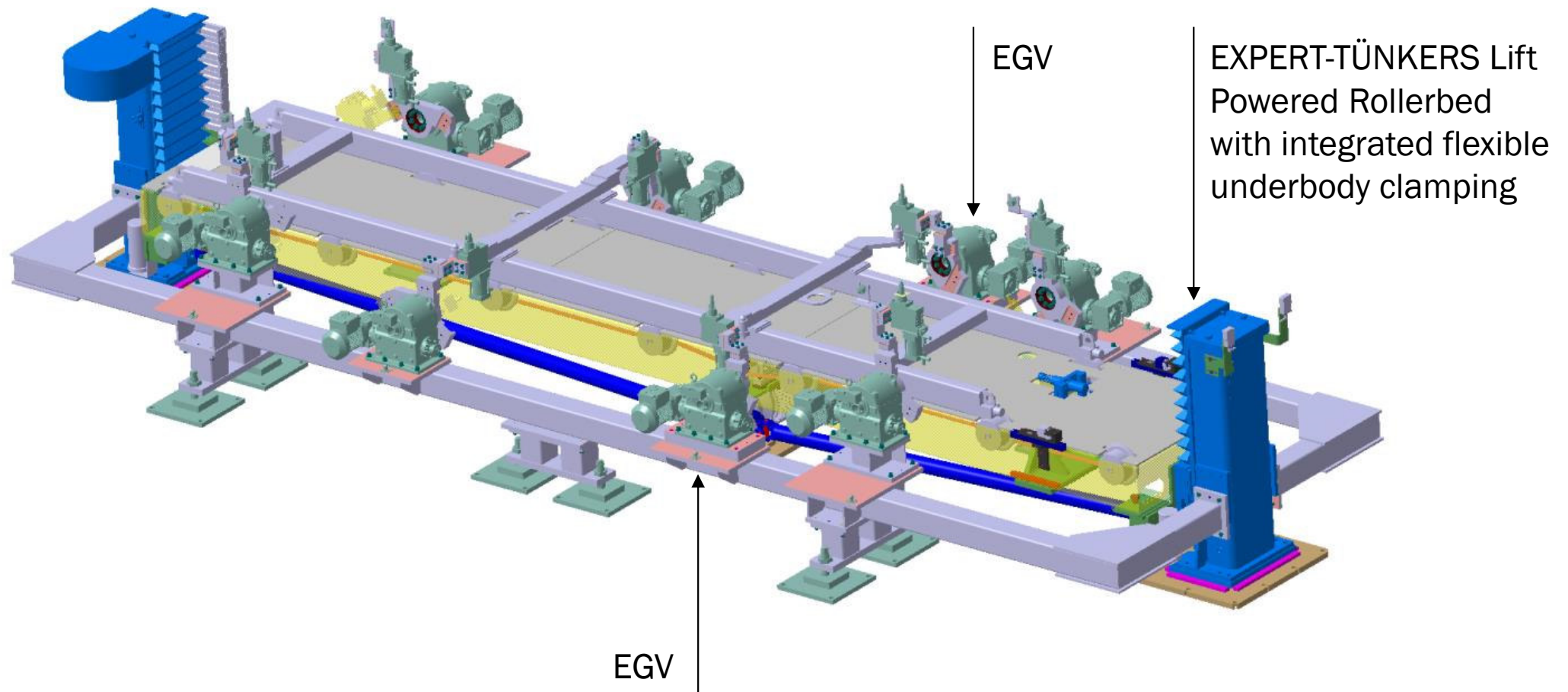
Precise positioning of up to four different reference point system configurations / car body types



Application Example

Complete 4-Type Station Configuration

Combined station setup of EXPERT-TÜNKERS EGV and lift powered rollerbed.

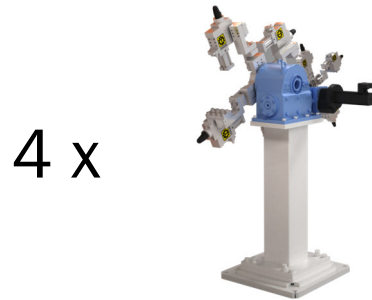


- **Compact design**
Minimal space requirements within the manufacturing lines
- **Optimized robot accessibility**
Welding gun access without additional interfering edges
- **High precision and durability**
Precise repeatable positioning due to mechanical end position locking
Reliable EXPERT-TUENKERS indexing cam technology
- **Flexible Setup**
Available with vertical or horizontal axis of rotation
Variable motor positions

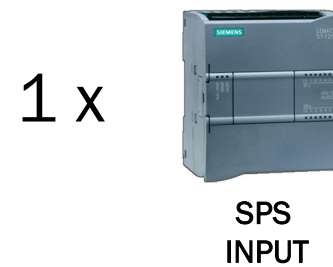
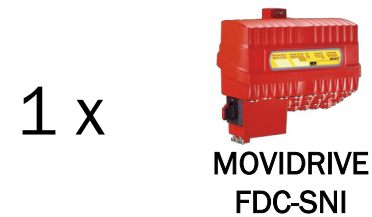
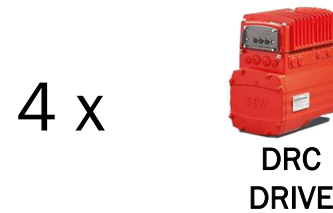
EGV-Series

Updated Decentralized Installation Concept

EGV Rev. A
(Old Version)

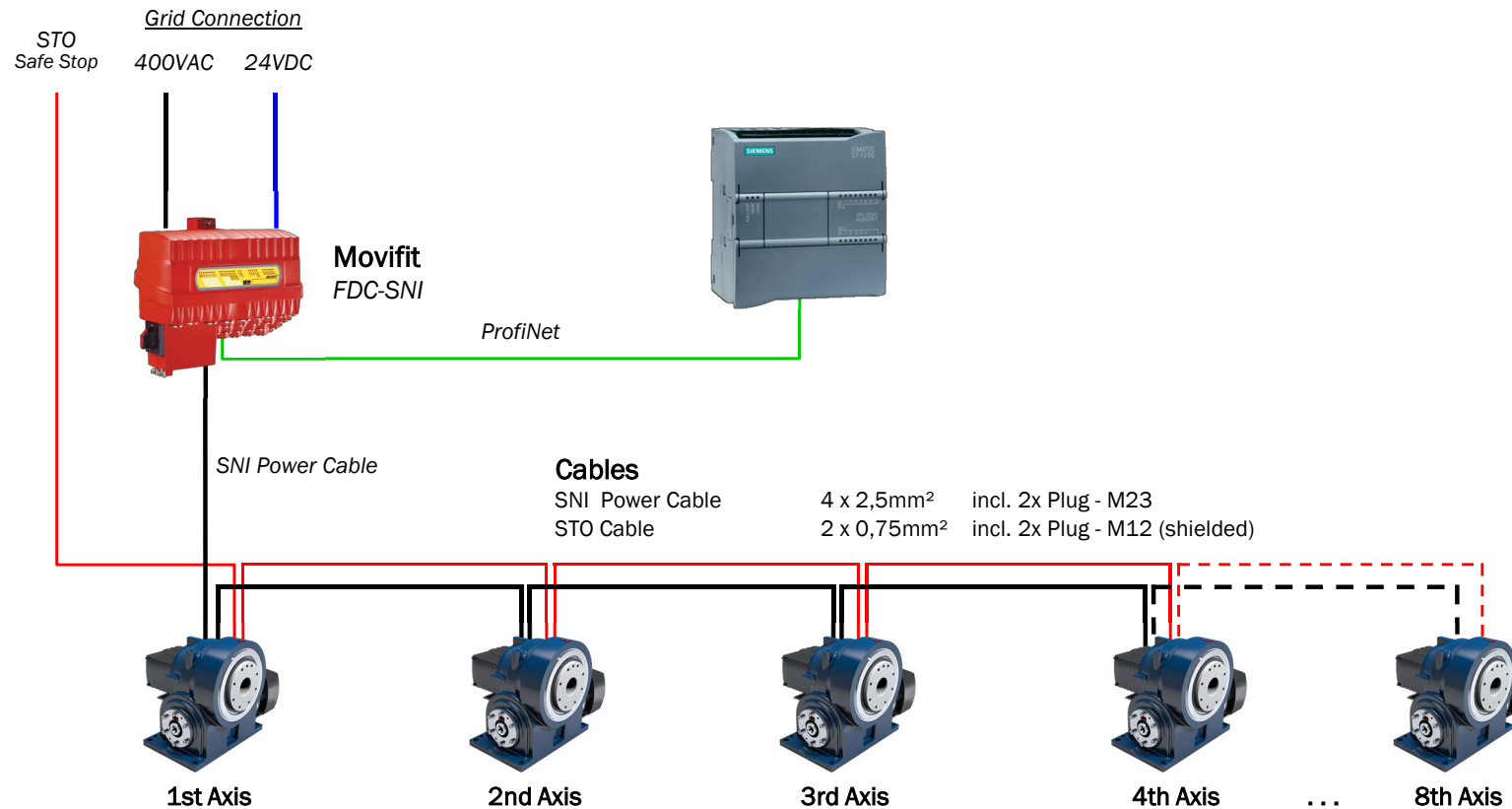


EGV Rev. B
(Updated Version)



EGV-Series

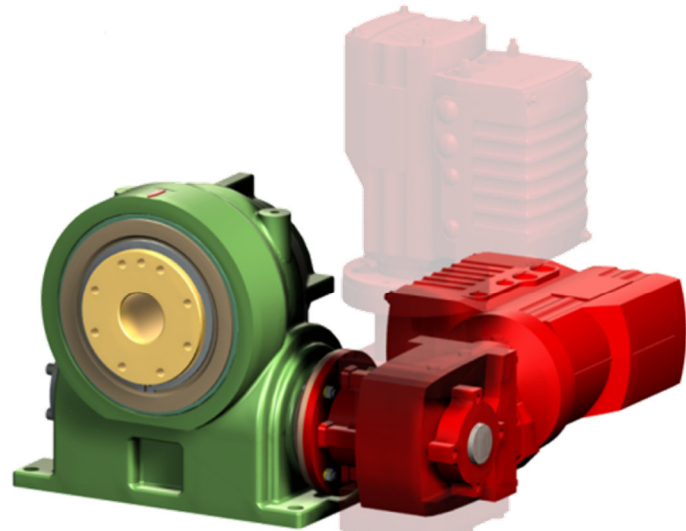
Updated Decentralized Installation Concept



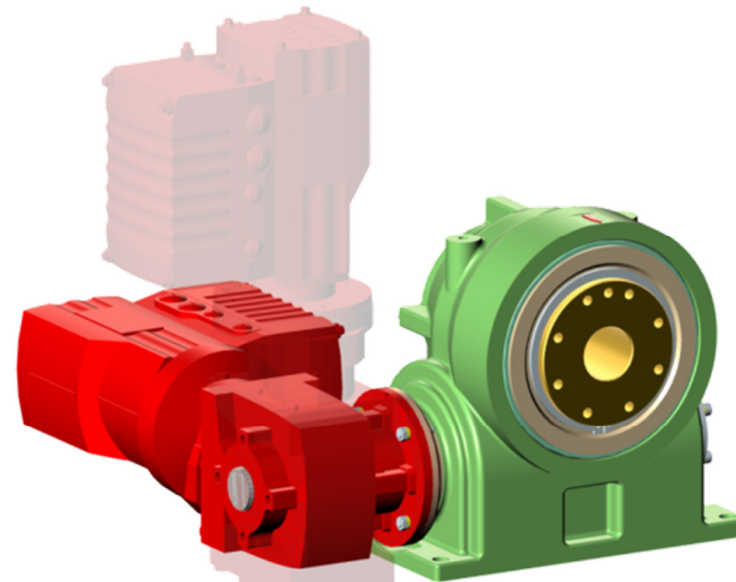
- One Movifit FDC-SNI is capable of controlling up to 8 EGV-units
- Overall Plug-in connectivity
- Only two cable types needed
- Linear installation type from one EGV to another
- Maximum overall cable length of 100 meters between Movifit and last DRC Drive

EGV-Series

Variable Motor Setup



Motor rechts



Motor links

List of References

Flexible underbody clamping technology

FAW China	ca. 200 pcs
Skoda MI. Boleslav	ca. 250 pcs
Skoda MI. Boleslav (SK 260)	ca. 100 pcs
Skoda Nischni Nowgorod	ca. 90 pcs
VW China	ca. 60 pcs
VW Kaluga	ca. 80 pcs

Thank you for your attention.

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