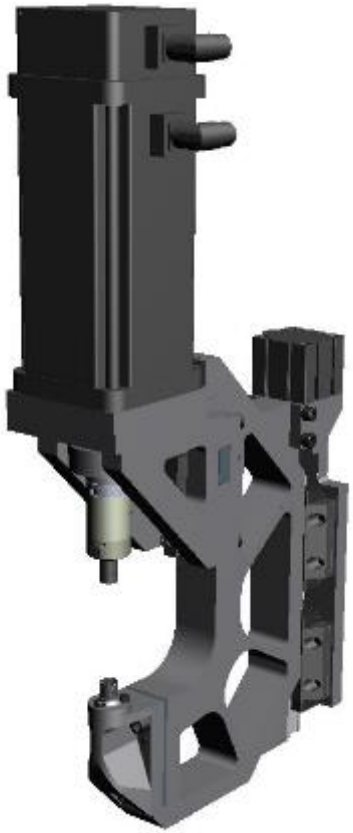
Oil instead of grease

The maintenance-free servo clinching device

Grease lubrication is a standard procedure for servo-electric clinching devices

Clinching has become an established joining procedure in body-in-white assembly.

Servo-electric systems with a grease-lubricated spindle drive are used to power the device.



Disadvantages:

- Due to the high number of liftings for the clinching points, the drives must be re-lubricated regularly
- In some cases, the entire unit must be dismantled for this purpose to ensure proper lubrication
- Inadequate lubrication (too much, too little) always results in a failure of the drive

New: TÜNKERS clinching device with oil lubrication

Drive concept:

- Servo motor actuating a spindle drive immersed in an oil bath

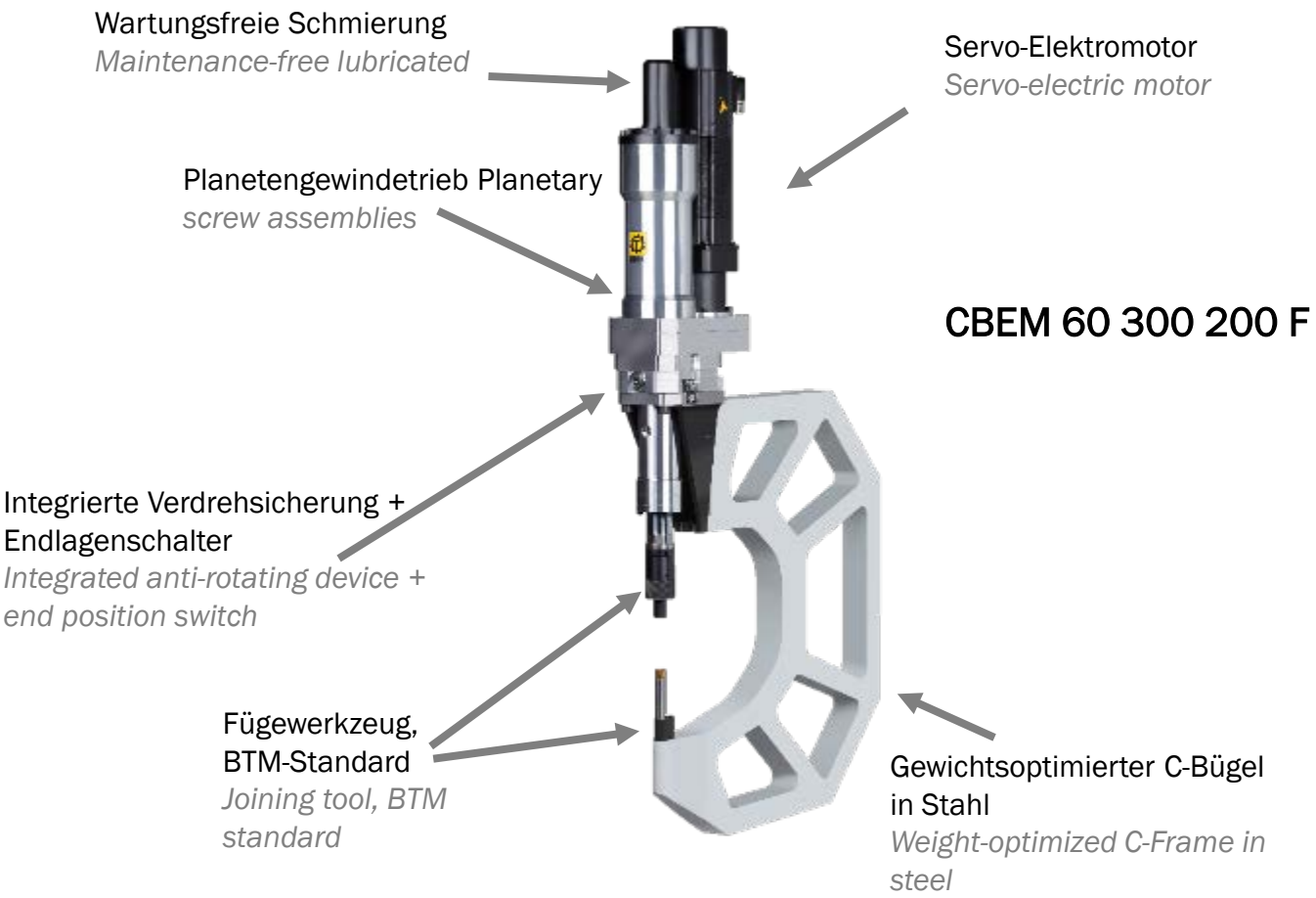
Advantages:

- Maintenance-free due to permanent oil lubrication
- Lubrication for life (5 years), no re-lubrication required in this period
- No risk of excess grease in the unit, i.e. no risk of failure
- No calculation of the exact amount of grease required
- No dismantling of the unit required to reach the lubrication nipples
- No costs for drive maintenance

Example of a maintenance-free clinching device

Leistungsdaten
E-Antrieb mit Planetengewindetrieb
F_{max} = 60 kN, Ausladung 300 mm, Hub 140 mm

Performance data
E-Drive with planetary screw assemblies
F_{max} = 60 kN, reach 300 mm, stroke 140 mm



Contact

TÜNKERS Maschinenbau GmbH
André Michels
Product Manager Forming Technology
Am Rosenkothen 4-12
D-40880 Ratingen

Phone +49 (0) 2102-45 17-508
Fax +49 (0) 2102-45 17-9999

E-Mail andre.michels@tuenkers.de
Internet www.tuenkers.de

YouTube

TÜNKERS Maschinenbau GmbH
Maximilian Kalesse
Product Manager Forming Technology
Am Rosenkothen 4-12
D-40880 Ratingen

Phone +49 (0) 2102-45 17-321
Fax +49 (0) 2102-45 17-9999

E-Mail maximilian.kalesse@tuenkers.de
Internet www.tuenkers.de

YouTube