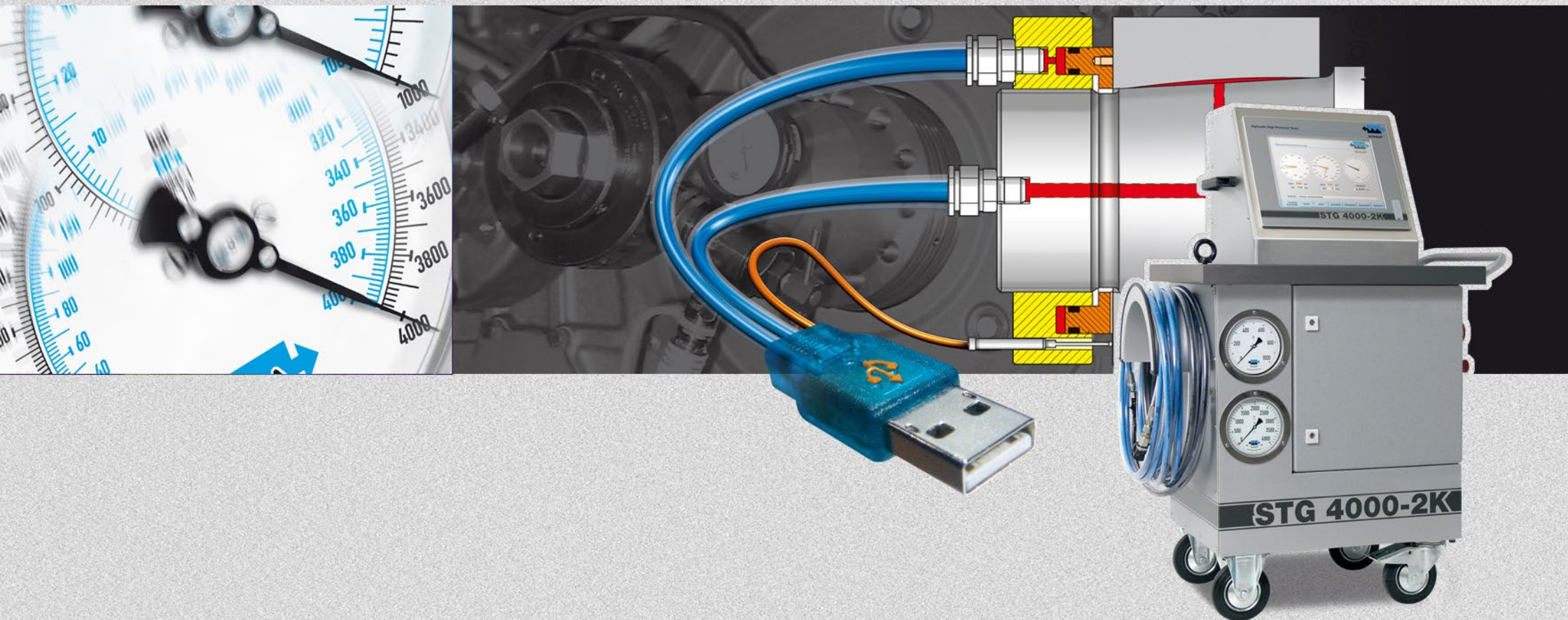


STG 4000-2K

Fully automatic production and separation
of oil press fits

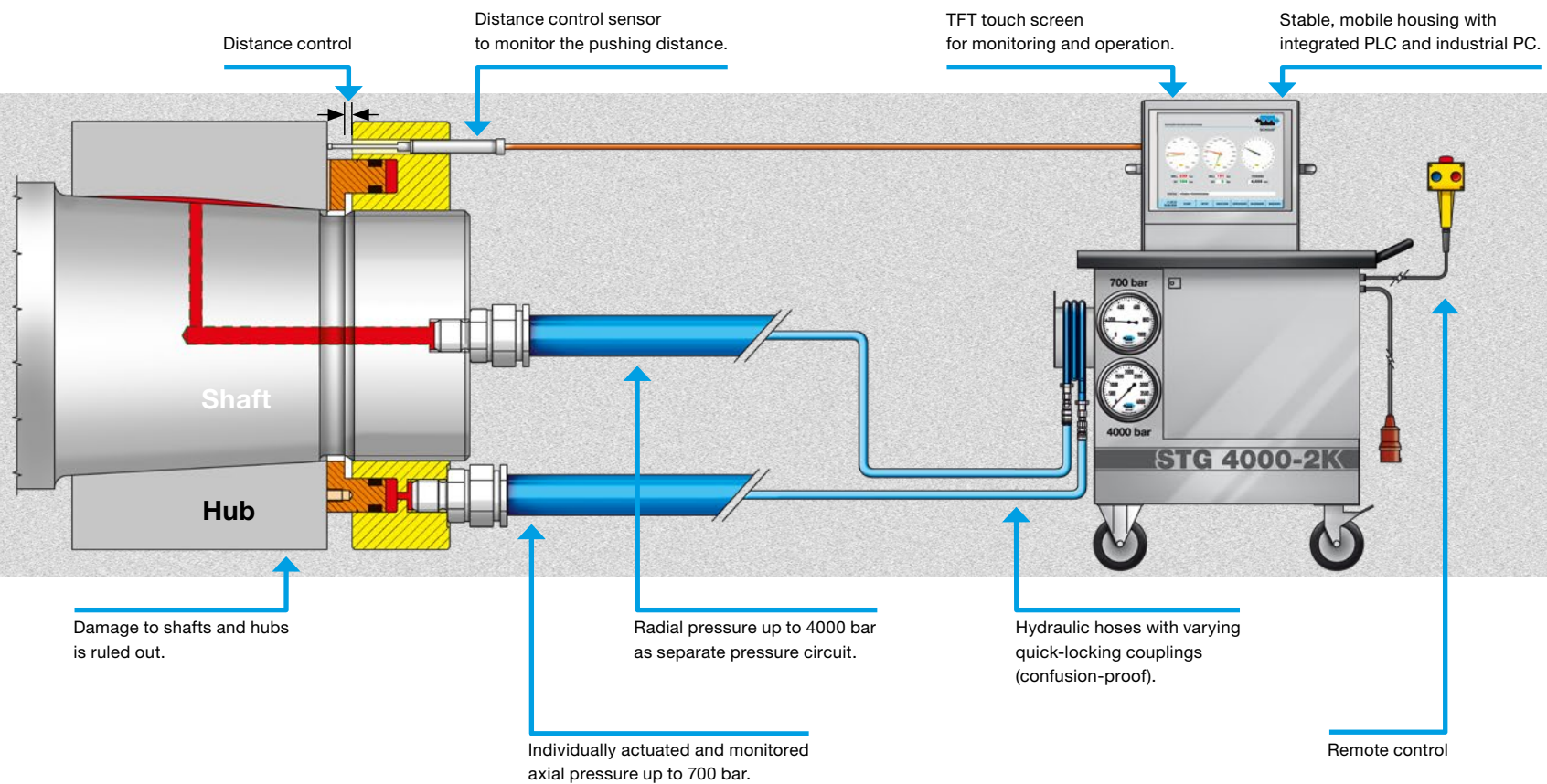


STG 4000-2K – the safe solution thanks to fully automatic control
of all pressure/distance parameters as well as plausibility check.



STG 4000-2K

Electro-hydraulic two-circuit high-pressure automatic control system
for fully automatic pressing of hubs onto shafts and separating



Areas of Application

The SCHAAF **STG 4000-2K** is ideally suited for:

- Tightening and loosening of oil press fits (e.g., ships' propellers, steering units, gearwheels, flywheels, coupling hubs, roller bearings, hydraulic couplings and overload protection devices), where 100% sequence of function, safety and repeat precision are necessary.

More information in animated operating instructions and further information about SCHAAF hydraulic nuts under www.schaaf-gmbh.com

Advantages

- 100% fulfilment of the press fitting requirement
- 100% process control and immediate securing of the stop of the tightening process in plan/actual deviations
- Error reports in plain text if the process requirements are not complied with
- No hub damage, no shaft damage
- Permanent monitoring of the pushing and the extension of the hub via a number of pressure transformers and distance measuring sensors.
- Pressure/time, pressure/distance, pressure/pressure diagrams can be output as a QA protocol
- Free occupation of parameters for tightening and loosening
- Robust, compact, maintenance-friendly and long-life construction designed for industrial use
- Password-protected parameter input
- Parameterised time control and pressure monitoring for switching pressure-free after tightening

Versions

The SCHAAF **STG 4000-2K** can be extended by the following options, amongst others:

- Radio remote control
- A number of radial pressure connections
- Barcode reader
- Printer
- Fully automatic cable roller

■ **All the special versions imaginable are possible. Please let us know of your requirements.**

Complete solution from SCHAAF

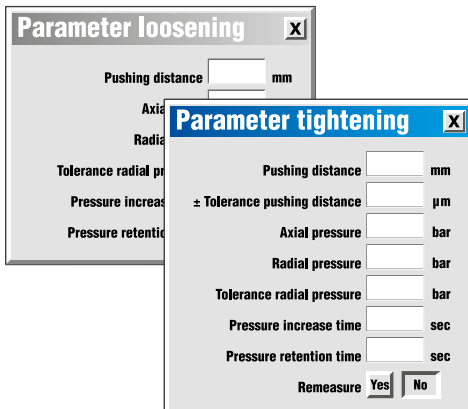
The accessories for the **STG 4000-2K** such as hydraulic hoses, connection couplings and the hydraulic nuts are aligned to the functions = 100 % system solution.

Quality Assurance

All **STG 4000-2K** are checked for 100 % process security. During order handling, they are accompanied by ongoing quality assurance measures and supplied with extensive documentation.

Services

The SCHAAF **STG 4000-2K** are user-friendly, safe and correspond to the latest technical know-how. Our highly motivated employees will be pleased to coach your staff in working with the automatic control system and general interconnections in the press fit in situ or at our works. In this way, all the process parameters can be entered optimally in order to achieve maximum process monitoring and safety. Naturally, the **STG 4000-2K** are supplied ready for operation.



Parameter loosening

Pushing distance mm

Axis

Radius

Parameter tightening

Pushing distance mm

± Tolerance pushing distance µm

Axial pressure bar

Radial pressure bar

Tolerance radial pressure bar

Pressure increase time sec

Pressure retention time sec

Remeasure

Free occupancy of parameters for tightening and loosening.

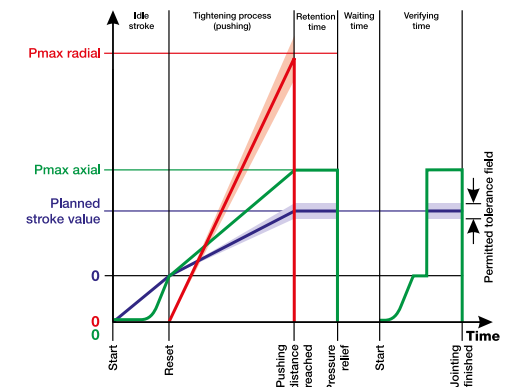
Accessories and additional product groups

- High-pressure hydraulic hoses
- Couplings, nipples, adapters and distributor blocks for pressures up to 4,000 bar
- Hydraulic Nuts (HM)
- GripLoc
- ExpaTen QL
- ShrinkNut
- ExpaHub
- ExpaTen

Certificates

- Specific test reports
- Certificates as per special customer requirements

Radial pressure (bar) · Axial pressure (bar) · Pushing distance (distance)



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