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Developing Fully-Automatic Oil press Fits
Electro-hydraulic two-circuit high-pressure control

Especially for fully automatic pressing and loosening of joints on shafts, Schaaf, Erkelenz, developed the Electro-hydraulic two-circuit high-pressure control system STG 4000-2K. The system comes to its full potential during the assembly and disassembly of ship propellers, rudder systems, gears and fly wheels. In areas where a 100 % functionality, safety and repeat accuracy is necessary the system performs at its best.

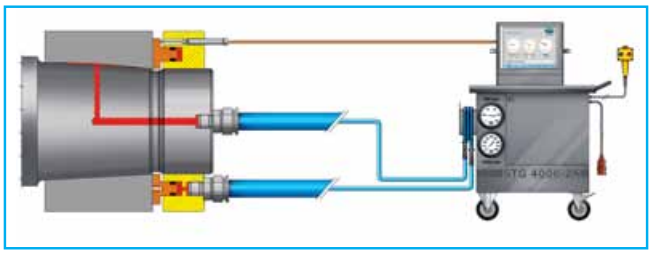
It is master-minded for the oil press fitting requirements during the propeller and ruder assembly on ships. The system can provide max. 700 bar for the axial pressure radius and up to 4000 bar for the radial pressure radius. In addition to the advantage of time, the system proves itself over and over and convinces the market through its quality and 100% process control, since it guarantees a perfect press fit with each use. It stops the tightening processes at target/ actual deviations and indicates clearly an error message if the press input was not met. This eliminates hub and shaft damages. While pushing on and extending a hub the pressure transformer and distance measurement sensor constantly monitors and records the process (such as pressure time, pressure way, pressure pressure diagram). The system is designed for the industrial use and is sturdy, compact, maintenance free and durable.

The STG 4000-2K has further options such as remote control additional radial pressure connections a barcode reader and a printer.

Captures

STG 4000-2K


Oil press fit propeller mounting


Oil press fit graph

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