

TUBE EXTRACTING SYSTEM TPS 55



The TPS 55 hydraulic tube extracting machine is a device for **extracting thick-walled tubes** out of the expansion area of tube sheets.

The machine is comprised of a **transportable hydraulic unit** and an extracting unit connected to it via hydraulic hoses. The extracting unit is comprised of a **trunk piston pulling cylinder** with a **mechanical quick clamping device** and is supplemented by the necessary extracting tools (extracting spindle, spacer sleeve and clamping jaws).

The tools must be adapted to the respective conditions or pipe dimensions. The extracting spindle is screwed clockwise via its square by a drive machine with sufficient torque into the end of the tube to be extracted. After that the extracting unit, with the spacer sleeve mounted to it, is pushed onto the extracting spindle up to the stop and the clamping jaws are tightened against the thread of the extracting spindle with the aid of the quick-change chuck. Pressure is applied to the piston, which then pulls the pipe out of the expansion area of the tube sheet. After completion of the extracting procedure, the clamping jaws are released from the extracting spindle and the cylinder is removed from the spindle. After that the extracting spindle is screwed anticlockwise back out of the tube that has been extracted.