

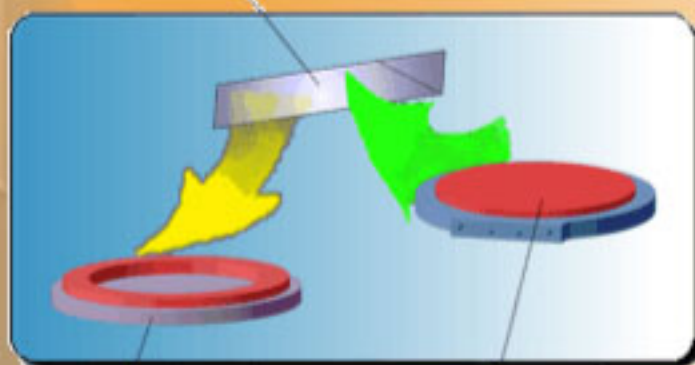
Press re-equipment of overload protection with break plates into a modern system with a hydraulic overload safety unit

FCE has solution packages, which from your old press with break plates and a high change expenditure of time integrates, a modern hydraulic overloading system for these special requirements.

If the times for the change of break plates in the long run cause for you to high costs, turn to our service.

We advise you gladly, to what extent our technical solutions are economically applicable in your special case for you.

assembly space



break sheet with shear ring

overload protection with oil-cushion

The solution variants upon the re-equipment of presses with break plates on hydraulic overloading systems depend during the execution on several factors.

- The space conditions in the slide the fact that the area between break plate is called and compression plate is crucially for the additional installation of a hydraulic overload safety unit.
- the height of the cost, in order to prepare the slide



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Exchange of break plates by oil cushions without slide disassembly and -treatment

- **A condition for the change is the condition of the pressing force transferring area in the slide.**
- **Minimum height (height of the break plate which can be replaced and the shear ring) caused the constructional.**
- **The possible diameter of the oil cushion should lead in connection with the nominal pressing force to controllable pressures in the oil cushion. This particularly applies with overload, max. 110 % of the nominal pressing force.**
- **The pressure in the oil cushion can be used by small prestress pressure for the direct announcement of the pressing force in the slide.**
- **With reach the overload flows the oil over an adjusted pressure relief valve from the cylinder.**
- **A pressure switch leads with overload to the press disconnection.**
- **Restoring operating condition is realized by a Pneumo hydraulic pump.**

