

Hydraulic Press for Forming from Solid





Hydraulic Press for Forming from Solid

REQUIREMENT

- The manufacture of clutch housings for automatic transmissions

SOLUTION

- Hydraulic press for warm forming, press force: 25,000 kN (2,800 US tons)
- Part feeding
- Induction heating
- Tri-axis transfer
- Tooling
- Tool lubrication

Technical specifications

Line	Hydraulic press with 25,000 kN (2,800 US tons)
Slide force	25,000 kN (2,800 US tons)
Max. slide stroke	600 mm
Daylight	1,600 mm
Bed size	1,400 x 1,250 mm
Bed ejector	1,000 kN (45 US tons)
Slide ejector	400 kN (45 US tons)
Die change	By means of electrically driven die change arm, die block bayonet-type fixture
Automation	<ul style="list-style-type: none"> • Feed unit for sorting of blanks and hand-off to the induction heating unit for heating to 750 to 800 °C (1,382 to 1,472 °F) <ul style="list-style-type: none"> • 2-coil induction heater with integrated unit for precoating of graphite • One robot for loading of parts into the press • Tri-axis transfer with 2 active grippers • Ejection via chute and conveyor • Die space lighting
Special characteristics	<ul style="list-style-type: none"> • Integrated concept of press, transfer, tooling and tool Lubrication

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