

Universal Sheet Metal Testing Machine

Model: SMT-M 120

This multipurpose testing machine is recommended for educational purposes for the students to become familiar with the standard tests. In this model, the required power is provided using a hand pump and the drawing force and the blank-holder force can be determined based on the pressure gages values using the provided formulas. Furthermore, The flow stress-strain curve of the testing material in bulge test is also determined manually using the provided formulas.



Model	SMT-M120
Drawing +Blank holder force:	Max. 120 kN
Drawing punch ϕ :	Max. 42 mm
Blank ϕ :	Max. 100 mm
Drawing Depth:	Max. 55 mm
Tests:	Bulge test ERICHSEN Cupping test Deep Drawing Cup test Hole Expansion test
Hydraulic circuit components:	Manual hydraulic pump
Regulation of Blank-holder force:	Manual
Regulation of Punch Speed:	None
Data-logging?	No