



SMTC 100 Sheet Metal Testing Machine

Application

Testing the ductility of sheet metal to common standards (DIN EN ISO 20482, DIN EN 1669).

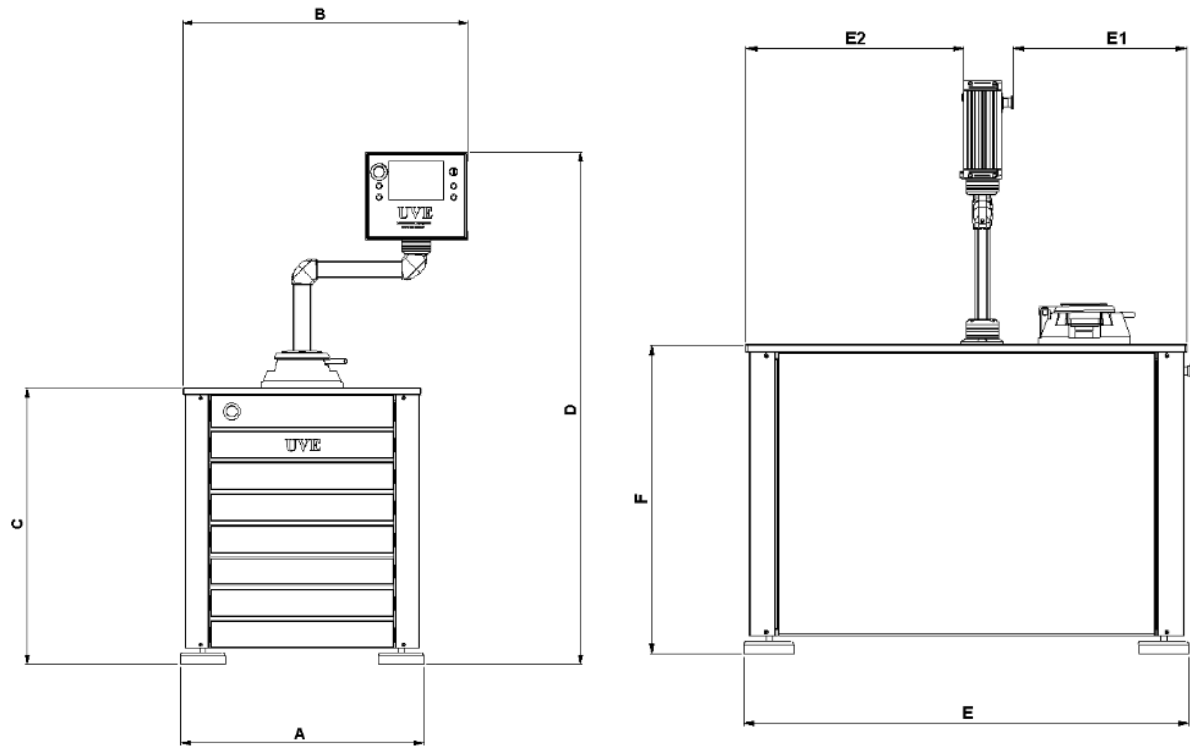
Testing the influence of surface treatments, coatings, and lubricants for typical types of forming such as cupping and earing tests. Testing the influence of tools and method parameters on the forming process.

SMTC 100 Sheet Metal Testing Machine

Advantages and Features



- Quick, easy tool and fixture changes including punch, drawing die, spacer, cutting punch, cutting ring and scraper ring.
- High Precision and Repeatability due to low Piston / Cylinder friction coefficient.
- Quiet and clean work
- Easy transport through compact design
- Electronic screen has optimum angle of view through swivel arm.
- Ergonomically placed control points.
- Electronic and hydraulic protection for all functions
- Automatic piston retraction and shutdown due to crack detection or after test end when maximum ram stroke (s-limit) is reached.
- Repeating the test by automatically selecting the previous force value
- Baskı hızı ve mesafesinin kaydedilmesi.
- Recording of blasting power, Fmax, instantaneous force values
- Creating recipes specific to references, calling references, editing, reporting 1000 Parameters adding, editing and recalling.
- Adjusting the test end force value as a percentage.
- Ergonomically designed doors and easy-to-change box panels.
- Special solutions (eg Piezo load cell, different deep drawing speeds, separate hydraulic power packs available on request.



Technical Details

Model	SMTC 100	
Test Power, max. (ram force, max.)	100	kN
Weight	650	kg
Puncturing Power max.	100	kN
Jam Power max.	100	kN
Specimen Dimensions		
Empty (Penetrable)	Ø 118	mm
Empty, Arable, max.	Ø 165	mm
Sheet Strip Width, max	128	mm
Sheet Metal Thickness, max	6.4	mm
Compression Load Resolution	0.01	kN
Puncturing Load Resolution	0.01	kN
Feedrate (drilling)	5	mm/s
Feedrate (compacting)	10	mm/s
Electric Power	3 x 220	3Ph, V
Power Consumption	10	kVA
Frequency	50	Hz
Amper	32	A
Dimensions		
A x D x E	865x1825x1415	mm
C/E1/ E2	985/550/690	mm

