

Universal Welding Press UWP 20-1



Use	Welding, stitching and edge-cutting of thermoplastic materials as well as welding, punching and cutting of fleeces and textile working fabrics.
Description	Universal welding press Sureweld 20-1
Frequency	20 kHz
Security	This welding press meets the current CE standards. Equipped with 2 hand operation and security switch.
Start	Starting with 2 hands with buttons at the side and emergency stop in front of the machine.
Operating parts	Manometer, pressure regulator, speed regulator, start buttons, emergency stop, height adjustable with turning Wheel.
Welding	Progress speed adjustable with speed regulator US start with time trigger (generator type VC and VV) US start with differential pressure trigger (generator type VV) Sensor for top position (rest position of the cylinder)
Drive	Dual acting pneumatic cylinder diam. 80mm
Drive force	Compressed air : till max. 7 bar Electric : 230 V / 50-60 Hz (for generator)
Maximum force	3000 N for 6 bar compressed air
Downward stroke	0 – 100mm, adjustable with screw for welding height
Depth	220mm (middle horn till press bar)
Height adjustment	300mm (220 – 520mm bottom booster till work holding table), can be fixed with 1 hand wheel.
Conduction	Precision conduction without clearance
Parallel alignment	Horn / taking up with levelling work holding table
Tooling	Vibrating system with horn : to tighten to the welding support. Anvil : with screws on work holding table
Working methods	Time welding : with generator type VC and VV Energy welding : with generator type VV Welding on a determined depth : with depth sensor Ultrasonic stop mode : welding with contact switch
Amplitude regulator	Mechanic : booster 1:1 / 1:1,5 / 1:2 / 1:2,5 / 1:3 (others on demand) Electric : through amplitude regulation on generator
Generator	For generators type VC and VV
Adjustment surface	Ca. 650 x 450mm
Dimensions	Ca. height : 1300 - 1530mm / width 430mm / depth 600mm
Weight	Ca. 130kg without generator nor tooling