



2.5 Technical data

CNC designation	KTS - 550	KTS - 850	KTS - 1550	KTS - 2550
Welding range	SOYER threaded studs with flange according to DIN EN ISO 13918 from M3 – M8 or 3 – 10 mm dia. and 10-40 mm in length			
Material	Steel and stainless steel (aluminium and brass conditionally, depending on respective requirements)			
Stud welding head	SK-5A / AN / AP			
Stud welder	BMS-10N / 10P or BMK 16-22			
Universal feeder	UVR-300 or UVR-400			
Power supply	European socket 400 V, 3 x 16 A (3 phases + N + safety earth conductor)			
Dimensions	1280 mm (W) 1880 mm (H) 1400 mm (D)	1480 mm (W) 2050 mm (H) 1675 mm (D)	1780 mm (W) 2050 mm (H) 2575 mm (D)	1900 mm (W) 2050 mm (H) 3200 mm (D)
Recommended floor space	2400 mm (W) 2900 mm (H) 3900 mm (D)	2600 mm (W) 2900 mm (H) 4200 mm (D)	2900 mm (W) 2900 mm (H) 5100 mm (D)	3000 mm (W) 2900 mm (H) 5700 mm (D)
Working area	490 mm (X) 500 mm (Y) 150 mm (Z) <sup>1</sup>	800 mm (X) 750 mm (Y) 150 mm (Z)	1100 mm (X) 1500 mm (Y) 150 mm (Z)	1400 mm (X) 2550 mm (Y) 150 mm (Z)
Appurtenances X / Y-axes	Ball screw (pitch 10 mm), linear guidance system with recirculating ball bearings type SHS-25C			
Appurtenances Z-axis	Ball screw (pitch 5 mm), linear guidance system with recirculating ball bearings type SHS-25C			
Drive X-axis <sup>2</sup>	0.32 Nm	0.32 Nm	0.60 Nm	0.80 Nm
Drive Y-axis	0.32 Nm	0.60 Nm	0.60 Nm	0.80 Nm
Drive Z-axis <sup>3</sup>	0.32 Nm	0.32 Nm	0.32 Nm	0.32 Nm
Operating accuracy	± 0.15 mm	± 0.15 mm	± 0.15 mm	± 0.20 mm
Repeating accuracy	± 0.05 mm	± 0.05 mm	± 0.05 mm	± 0.05 mm
Loading capacity of table top	100 Kg	100 Kg	100 Kg	100 Kg
Weight <sup>4</sup>	approx. 580 kg	approx. 900 kg	approx. 1 900 kg	approx. 2 500 kg
Colour	RAL 1019 / RAL 1015			
Subject to technical changes				

<sup>1</sup> Optional motor-driven Z-axis (550, 850, 1550, 2550)

<sup>2</sup> All drives are servomotors operated in the closed loop

<sup>3</sup> Servomotor with integrated brake

<sup>4</sup> Weight includes sound insulation hood without stud welder, universal feeder and control system  
Deviations are possible depending on accessories

2.4 View



III. View of KTS – 850 CNC with casing and control unit