

Stud Welding Equipment - CNC Systems

CPW SERIES



CNC Production Welder

- Entry-level CNC stud welding machine with 1 welding head
- High speed with highest positioning accuracy by robust machine base frame
- Working with different work piece heights on a working range of 600 x 420 x 120 mm

M3 to M8 (dia. 10/12/12,7 mm only possible with modification)

#4 to 5/16" (dia. 3/8" to 1/2" only possible with modification)

Working range	600 x 420 x 120 mm / 23.6" x 16.5" x 4.7"
T-slot work plate	800 x 490 mm / 31.5" x 19.3"
Welding range	M3 to M8, dia. 3 to 8 mm (dia. 10/12/12,7 mm only possible with modification) #4 to 5/16", dia. #4 to 5/16" (dia. 3/8" to 1/2" only possible with modification)
Stud length	8 to 40 mm / 0.31" to 1.57" (other lengths on request)
Welding capacity	Up to 30 studs/min (depending on configuration)
Traverse speed	25 m/min (X-Y), 20 m/min (Z) / 82'/min X-Y, 65,6'/min Z
Stud feeding	Automatic stud feeding (up to 3 different stud length per welding head)
Positioning accuracy of welded stud	± 0,2 mm / ± 0,008"
Positioning and repeat accuracy	± 0,05 mm / ± 0,002"
Stud welding head	KAH 412 KAH 412 LA (mechanical length compensation - gap)
Max. number of stud welding heads	1
Connections	Electrical: 400 V, 16 A, 50 Hz; Pneumatic: 6 bar min./ 10 bar max./ inner hose dia. 6 mm
Motor-driven Z-axis	Z = 0 to 120 mm / 0 to 4.7" (free programmable because of servo drive technology)
Controller	High performance PLC IEC 61131-3
Display	9" Touchscreen
Keyboard	Touch
Dimension LxWxH	1600 x 950 x 1900 mm / 63" x 37.4" x 74.8"
Weight	Approx. 640 kg / 1410,96 lbs
Order No.	According to project



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