

STUD WELDING PRODUCTS, INC

Your Number One Stud



Maximum Weld Rates
Maximum Efficiency
Minimum Energy
Minimum Weight

STUD WELDING UNIT Model: CDMi 2402



DESCRIPTION

Completely integrable stud welding system. Can be mounted to robots, rams, or gentry systems. Can be controlled via RS232 connection.

FEATURES

WELD RANGE	#4 - 5/16"
WELD RATE	#4 @ 40 Studs/Min & 5/16" @ 21 Studs/Min
DIMENSIONS	22.4"L x 11.22"W x 11.42"H
WEIGHT	53.32 lbs
PRIMARY POWER	115 V 50/60Hz 10AT
WELDING MATERIAL	Mild Steel, Stainless Steel, Aluminum and Brass
CAPACITANCE	99 000
WELDING TIME	1 to 3 msec
CHARGING VOLTAGE	50 to 220V (stepless voltage regulation)
POWER SOURCE	Capacitor
COOLING TYPE	F (temperature controlled cooling fan)

UP TO 200% FASTER VS MANUAL



CDMi 2402 Auto



KAH-412 Head



VBZ-3 Stud Feeder

Visit our website at www.StudWeldProd.com or email Info@StudWeldProd.com

Downey, CA

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FEATURES

- Especially suitable for thin sheets (at least 0.5 mm)
- Process variants: contact welding & gap welding
- Micro-controller – for precise process times, optimal functional reliability and maximum operating convenience
- Function monitoring – automatic function test following power-up; monitoring of all internal system functions
- Function control – All functions are visible on the operator panel via LED or display
- Controlled capacitor forming – step-by-step charging of capacitors after long standstill times for longer service life of capacitors
- Re triggering lock-out – prevents welding on a welding element that has already been welded
- Thermal control of inverter-capacitor charging unit and internal temperature of stud welding unit– automatic switch-off in the event of overheating
- Temperature controlled cooling fan – reduces noise and dust in the stud welding unit (greater system reliability)
- Optimal cooling air stream – protection of the electronic components against contamination and ideal cooling of the inverter-capacitor charging circuit board for high cycle sequences
- Process sequence control – detection and evaluation of influencing variables of the welding process via the process control (CP); after every welding, a comparison of the reference CP value and the actual values is performed; display of the actual and target value; welding stop when limit values are exceeded can be activated; limit values can be selected in steps; manual entry of CP value possible
- 15 programs can be stored – in every program, the parameters (charging voltage, capacity, CP settings and automatic settings) can be selected digitally via a superior control system and specific to the application
- Remote control of the stud welding machines via standardized RS232 interface possible – the stud welding machines can be controlled directly via the PC or CNC welding systems
- Library function – library with stored welding parameters for different diameter and material combinations for a quick start of the welding process
- User-specific settings– weld counter (display of previously executed welds); menu navigation in various languages; units (metric, imperial); date; time; setting of the transmission rate of the interfaces
- Reading out of CP values via standardized RS232 interface – for the output of data such as the date, time and welding parameters of each weld with the superior control system; welding parameters of every weld are logged
- Inverter-capacitor charging technology – makes high cycle rates possible

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