STUD WELDING UNIT
Model: CDMi 2402/KAH

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

DESCRIPTION

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 mesc
CHARGING VOLTAGE  50 to 220V (stepless voltage regulation)
POWER SOURCE Capacitor
COOLING TYPE   F (temperature controlled cooling fan)

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STUD WELDING PRODUCTS, INC
Your Number One Stud

STUD WELDING UNIT
Model: CDMi 2402 Auto

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
• With integrated mains filter (protection against voltage peaks)
• 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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