



UNIMETRIX CMZ-1 is a double-place automation welding machine. Device allows to surface welding polyethylene foam shapes into complex packaging products. Needle gripper eliminates the need to use dedicated tools.

MACHINE SIZE		INPUT MATERIAL'S PARAMETERS	
LENGTH	4535 mm	MATERIAL TYPE	PE FOAM
WIDTH	1650 mm	LENGTH MAX	1200 mm
HEIGHT	2620 mm	WIDTH MAX	800 mm
WEIGHT	1950 kg	HEIGHT MAX	300 mm
ELECTRICAL POWER	47,5 kW	DENSITY MIN-MAX	n/d

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Technical parameters	
Number of working areas	2
Workspace size – length	1200 mm
Workspace size – width	800 mm
Pneumatic pressure	4 bar
Max working speed – gripper horizontally	2000 mm/s
Max working speed – gripper vertically	1000 mm/s
Max working speed – working table	430 mm/s
Heating power	40 kW
Motor power	7,5 kW
Central lubrication system	Yes – selected parts
Components producers	HIWIN, EATON, SIEMENS, ESTUN, METALWORK
Manual language	Customer's national language
Compliance with	<p><u>Directives</u> EC 2006/42 EC 2014/35 EC 2014/30</p> <p><u>Standards</u> EN ISO 12100 EN ISO 14120 EN 60204-1 EN ISO 13849-1 EN ISO 13850 EN ISO 13857 EN ISO 4414</p>



Software and service



- Option to save parameter settings in the form of product recipe
- The ability to work in several modes
 - Welding all layers from one selected work table
 - Welding layers from two different work tables in any specified order
- Description of the control panel in German language
- The ability to program a complete process from the panel control
- Touch panel control
- Machine equipped with a central lubrication system, ensuring appropriate working conditions for selected components

Health & Safety



- Software-controlled reflection sensors to measure input product thickness (option)
- Light curtains