E-P Chuck Control Units

Control units

Model	Protection level	Number of chucks in the series	Type
MCF 1	IP54	1	control unit built into steel enclosure
MCF 2	IP54	1 - 2	control unit built into steel enclosure
MCF 3	IP54	1 - 3	control unit built into steel enclosure
MCF 4	IP54	1 - 4	control unit built into steel enclosure
CUR 20S	IP54	1 - 2	control unit built into steel enclosure

Chuck control units for electromagnets

Control units

Model	Protection level	Wattage	Type
M850	IP00	850W	a control panel for installation in a machine
M850	IP54	850W	control unit built into steel enclosure
MT1250	IP00	1250W	a control panel for installation in a machine
MT1250	IP54	1250W	control unit built into steel enclosure
MT2500	IP00	2500W	a control panel for installation in a machine
MT2500	IP54	2500W	control unit built into steel enclosure

DESCRIPTION AND FUNCTION

Chuck control units convert the AC (alternating current) input from the power line into DC (direct current) output to “feed” the coils of the chuck. A microprocessor based control board in the unit allows adjusting the clamping force of the magnet and also automatic demagnetization. An important function lies in operator safety: The chuck control prevents the machine from running if the holding force of the chuck is too low.

SAFETY

Apart from the fact that our control units comply with the IEC electrical standards they also comply with the provisions of the European Machinery Directive 2006/42/EC. A safety contact inside the unit prevents the machine from running if the magnet is not switched on or if the holding force is too low.