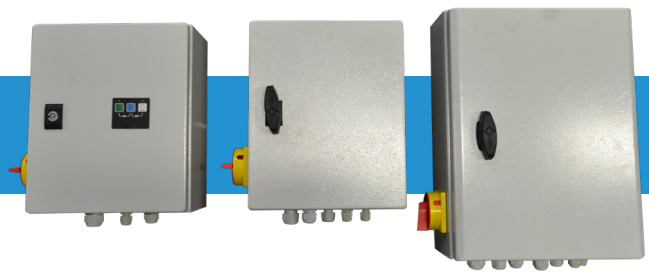


# LCC CONTROL UNITS



## When to choose control units for electropermanent magnetic chuck:

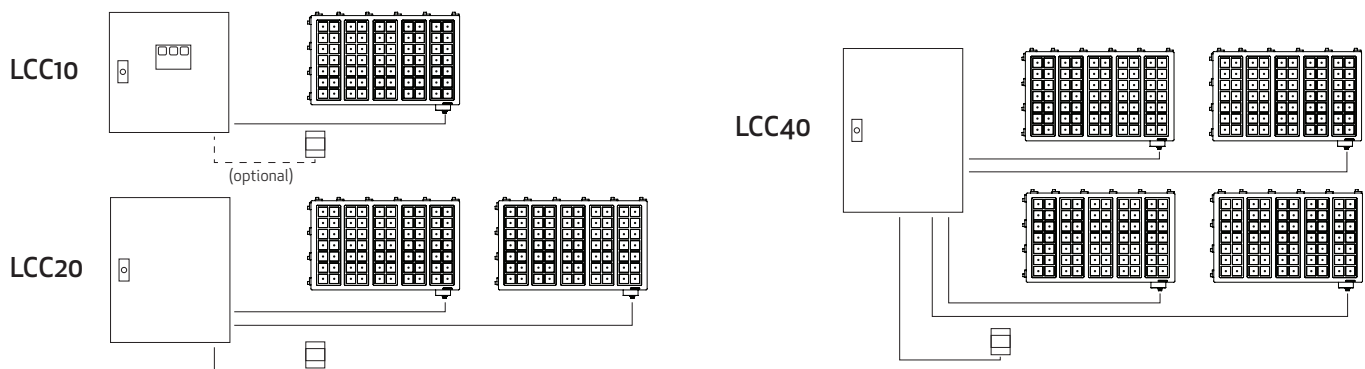
The control units for the electropermanent magnetic chucks are used to drive these by means of controlled electrical impulses. They allow you to magnetize and demagnetize the workpiece and chucks automatically. Our units can be easily interconnected with the machine tool control system. LCC units are designed for control of compensated electropermanent magnetic chucks.

### Advantages of LCC control units:

- + the unit can be interconnected with machine tool's PLC (safety lock)
- + operational safety – the machine cannot be started up at a low holding force (current sensor)
- + setting of the safe magnetization level
- + effective demagnetization of the chuck and the workpiece for easy removal
- + possible control of the chuck via remote controller
- + possibility to control one or more magnets at the same time (depending on selected unit type)
- + input voltage: 230 - 400 VAC / 50 - 60 Hz
- + IP54 (steel cabinet)

Model	Number of chucks in a set up	W (mm)	L (mm)	H (mm)	Weight (kg)
LCC10	1	250	300	152	5,7
LCC20	1-2	250	300	152	5,9
LCC40	1-4	300	400	153	7,5

## Connecting of Mastermill EP chucks to LCC units - usual configurations



# REMOTE CONTROLS



### R-10 remote controller:

- + ergonomic, robust but still very light aluminium box
- + easy connection to control unit via DB-9 connector
- + suitable for 1 channel control unit LCC10
- + HMI keyboard with 3 buttons - (MAG/DEMAG/RELEASE) and LED magnetization status indicators
- + high operational safety - simultaneous push of 2 action buttons is needed to start MAG or DEMAG cycle



### R-M remote controller:

- + suitable for multi channel control units LCC20 and LCC40
- + remote control of 1 up to 4 magnetic chucks at the same time
- + LED diodes indicate the selection of individual chucks and their MAG status