

# K1 fluxer part list

## Crucible heater

Part no.	Description
EGK0011A	Heat cell
EGK0012A	Upgrade : crucible heater head
EGK0013A	Heating element, crucible heater
EGK0014A	Soft ceramic insulation block, crucible heater
EGK0015A	Zirconium lid
EGK0016A	Spill protector
EGK0017A	Ceramic plate set, crucible heater
EGK0099A	Ceramic plate under spill protector crucible heater
EGK0018A	Thermocouple
EGK0019A	Locking handle
EGK0020A	Ceramic connector, crucible heater
EGK0021A	Aluminum top ring
EGK0022A	Aluminum serrated ring, crucible heater
EGK0057A	Bottom ceramic disc
EGK0060A	Crucible fan holder
<b>Swirling shaft assembly</b>	
EGK0041A	Swirling shaft assembly
EGK0047A	Shaft and bearing assembly
EGK0023A	Rotating connector
EGK0096A	Crucible heater bottom plate
<b>Support</b>	
EGK0025A	Upgrade: tilting motor
EGK0502A	Crucible heater support
EGK0503A	Left arm of crucible heater
EGK0504A	Right arm of crucible heater
EGK0026A	Tilting motor
EGK0027A	Swirling motor
EGK0028A	Transmission belt
EGK0029A	Pouring springs assembly
EGK0030A	Tilting bearing assembly
EGK0031A	Tilting microswitch
EGK0307A	Swirling detector

## Mold heater

Part no.	Description
EGK0032A	Mold heater
EGK0033A	Upgrade: mold heater top
EGK0034A	Heating element, mold heater
EGK0035A	Soft ceramic insulation block, mold heater
EGK0036A	Ceramic plate set, mold heater
EGK0037A	Mold holder, for 30-mm molds

EGK0038A	Mold holder, for 32-mm molds
EGK0039A	Mold holder, for 35-mm molds
EGK0040A	Mold holder, for 40-mm molds
EGK0021A	Aluminum top ring
EGK0042A	Aluminum serrated ring, mold heater
EGK0043A	Ceramic connector, mold heater
EGK0044A	Mold cooling fan

### Solution agitation unit

Part no.	Description
EGK0045A	Solution agitation unit
EGK0046A	Plastic top, part

### Body

Part no.	Description
EGK0048A	Legs set
EGK0500A	Interface control panel
EGK0501A	Electrical back panel

### Electrical system

Part no.	Description
EGK0500A	Interface control panel
EGK0501A	Electrical back panel
EGK0050A	Fuse 10A 250VAC
EGK0051A	Fuse 5A 250VAC
EGK0052A	Power cord American
EGK0053A	Power cord European
EGK0054A	Transformer crucible heater
EGK0055A	Transformer mold heater
EGK0056A	Breaker crucible heater
EGK0058A	Fuse holder
EGK0059A	Main power switch

### Electronics

Part no.	Description
EGK0061A	Upgrade: firmware 1.9
EGK0062A	Upgrade: regulating resistor
EGK0510A	Main control board with firmware
EGK0070A	Main controller board
EGK0071A	Main controller firmware
EGK0511A	Magnetic agitator board with firmware
EGK0066A	Motor board
EGK0069A	Solution agitation firmware
EGK0512A	Swirling board with firmware
EGK0066A	Motor board
EGK0067A	Swirling firmware

EGK0513A	Tilting board with firmware
EGK0066A	Motor board
EGK0068A	Tilting firmware
EGK0514A	Mold heater board with firmware
EGK0063A	Heater board
EGK0065A	Mold heater firmware
EGK0515A	Crucible heater board with firmware
EGK0063A	Heater board
EGK0064A	Crucible heater firmware
EGK0072A	Connector board
EGK0073A	Solid state relay (SSR)
EGK0300A	Electronic cooling fan
EGK0074A	LCD display
EGK0084A	Power Supply
EGK0075A	Pushbuttons set of 7
EGK0076A	Pushbuttons "?"
EGK0077A	Pushbuttons "ESC"
EGK0078A	Pushbuttons "OK"
EGK0079A	Pushbuttons [UP]
EGK0080A	Pushbuttons [DOWN]
EGK0081A	Pushbuttons [LEFT]
EGK0082A	Pushbuttons [RIGHT]
EGK0083A	Pushbuttons generic

## Cables

Part no.	Description
EGK0085A	Crucible heater primary cable
EGK0086A	Keypad cable end, K1
EGK0087A	Keypad cable start, K1
EGK0088A	LCD display cable, K1
EGK0089A	Magnetic agitation cable, K1
EGK0090A	Mold heater primary cable
EGK0091A	Position detector common cable
EGK0092A	Power supply cable AC
EGK0093A	Power supply cable DC, K1
EGK0094A	Swirling cable
EGK0095A	Crucible heater combo cable
EGK0097A	Tilting cable, K1
EGK0098A	Tilting detector extension cable

## Literature

Part no.	Description
EGK0100A	User's manual, K1

## K2 fluxer part list

### Furnace

Part no.	Description
EGK0101A	Furnace, K2
EGK0102A	Heaing element, K2
EGK0102E	Heaing element, K2(pack of 8)
EGK0142A	Heating element holder kit, K2
EGK0103A	Heaing element support rod
EGK0103E	Heaing element support rod(pack of 8)
EGK0104A	Heaing element support spacer
EGK0104E	Heaing element support spacer(pack of 8)
EGK0405A	Elements connector start
EGK0406A	Elements connector end
EGK0404A	Door bearing assembly
EGK0105A	Door springs, set
EGK0402A	Door levers assembly
EGK0140A	Door levers pair
EGK0106A	Ceramic connector, K2
EGK0107A	Thermocouple, K2
EGK0108A	Microswitch (K2 safety interlock)
EGK0109A	Door motor
EGK0110A	Furnace cooling fan
EGK0111A	Optical detector kit for door movement
EGK0112A	Door assembly

### Insulation

EGK0113A	Insulation, completel, k2
EGK0114A	Insulation, inside bottom set (2plates)
EGK0184A	Insulation, inside wall (3plates)
EGK0115A	Insulation, inside top set (3plates)
EGK0116A	Insulation, inside back
EGK0117A	Insulation, inside left
EGK0118A	Insulation, inside right
EGK0119A	Insulation, inside set, door (3plats)
EGK0120A	Insulation, outside set, bottom
EGK0121A	Insulation, outside set, middle
EGK0122A	Insulation, outside set, top
EGK0123A	Insulation, outside set door

### Platinumware holders

Part no.	Description
EGK0125A	Upgrade : platinumwre holders

### Crucible holder, K2

EGK0126A	Crucible holder, K2
EGK0127A	Ceramic sleeve, long
EGK0127F	Ceramic sleeve, long(pack of 5)

EGK0128A	Ceramic sleeve, short
EGK0128F	Ceramic sleeve, short(pack of 5)
EGK0129A	Ceramic tube, bottom/side[318mm]
EGK0130A	Ceramic tube, locking bar [310.5mm]
EGK0131A	Ceramic washer
EGK0131T	Ceramic washer(pack of 10)
EGK0132A	Locking pin
EGK0124A	Pivot pin
EGK0133A	Locking plate
EGK0134A	Metal bracket, crucible holder, left side
EGK0135A	Metal bracket, crucible holder, right side

#### Mold holder, K2

EGK0136A	Mold holder, K2
EGK0137A	Ceramic tube, mold holder, K2[330mm]
EGK0138A	Metal bracket, mold holder, left side
EGK0139A	Metal bracket, mold holder, right side
EGK0141A	L shaped brackekts kit right side
EGK0230A	Mold plate, for 30- mm molds
EGK0232A	Mold plate, for 32- mm molds
EGK0235A	Mold plate, for 35- mm molds
EGK0240A	Mold plate, for 40- mm molds

#### Rocking system

Part no.	Description
EGK0145A	Upgrade : rocking system
EGK0146A	Upgrade : double bearing
EGK0422A	Upgrade : Thermal expansion
EGK0147A	Locking button assembly
EGK0148A	Heat sink, lefe
EGK0149A	Heat sink, right
EGK0150A	IR detector
EGK0151A	Motor, rocking, dual-shaft
EGK0159A	Thermal expansion bearings kit

#### Sliding system

Part no.	Description
EGK0153A	* Upgrade : sliding system
EGK0154A	Cariage (linear bearing)
EGK0155A	IR detector set of 2
EGK0156A	Motor sliding
EGK0157A	Rail
EGK0158A	Sliding belt
EGK0403A	Sliding belt bearingassembly

#### Body

Part no.	Description
EGK0024A	Electronic cover, K2

EGK0401A	Magnetic stirrer assembly
EGK0600A	Interface control panel
EGK0250A	Electronic circuits holding bar, K2

### Electrical system

Part no.	Description
EGK0160A	Fuse 15A 250VAC
EGK0058A	Fuse holder
EGK0059A	Main power switch
EGK0410A	Power supply ac cable
EGK0411A	Dc supply cable

### Electronics

Part no.	Description
EGK0600A	Interface control panel, K2
EGK0164A	Upgrade: firmware 2.0
EGK0610A	Main control board with firmware
EGK0070A	Main controller board
EGK0173A	Main controller firmware
EGK0611A	Magnetic agitator board with firmware
EGK0066A	Motor board
EGK0170A	Solution agitation firmware
EGK0612A	Rocking board with firmware
EGK0066A	Motor board
EGK0168A	Rocking firmware
EGK0613A	Sliding board with firmware
EGK0066A	Motor board
EGK0169A	Sliding firmware
EGK0614A	Door control board with firmware
EGK0066A	Motor board
EGK0171A	Door control firmware
EGK0615A	Heater board with firmware
EGK0063A	Heater board
EGK0166A	Heater board firmware
EGK0174A	Connector board, K2
EGK0250A	Electronic circuits holding bar, K2
EGK0073A	Solid state relay (SSR)
EGK0152A	Hi-limit temperature controller kit
EGK0084A	Power Supply
EGK0074A	LCD display
EGK0143A	Electronic cooling fan
EGK0144A	Mold cooling fan, K2
EGK0075A	Pushbuttons set of 7
EGK0076A	Pushbuttons "?"
EGK0077A	Pushbuttons "ESC"
EGK0078A	Pushbuttons "OK"
EGK0079A	Pushbuttons [UP]
EGK0080A	Pushbuttons [DOWN]

EGK0081A	Pushbuttons [LEFT]
EGK0082A	Pushbuttons [RIGHT]
EGK0083A	Pushbuttons generic

## Cables

Part no.	Description
EGK0187A	Door detector cable end
EGK0188A	Door detector cable start
EGK0189A	Door motor cable end
EGK0190A	Door motor cable start
EGK0191A	Furnace cooling fan cable end
EGK0192A	Furnace cooling fan cable start
EGK0193A	Keypad cable end, K2
EGK0194A	Keypad cable start, K2
EGK0195A	LCD display cable, K2
EGK0196A	Magnetic agitation cable, K2
EGK0197A	Mold cooling fan cable
EGK0198A	Power cord kit
EGK0199A	Power supply cable DC, K2
EGK0201A	Rocking detector cable
EGK0202A	Rocking motor cable
EGK0203A	Sliding detector cable
EGK0204A	Sliding motor cable
EGK0205A	Thermocouple wire end
EGK0206A	Thermocouple/SSR wire start

## Literature

Part no.	Description
EGK0100A	User's manual, K2

## Accessories

### Tools

Part no.	Description
EGK0211A	Hexagonal key set

### Labware

Part no.	Description
EGK0049A	Crucible zirconium
EGK0010A	Beaker Teflon