GÜNTHER®
HOT RUNNER TECHNOLOGY

Control technology

7 Control technology

blueMaster compact

The smart controller for sluggish and agile hot runner systems. Operated by an app, it automatically optimizes control parameters in the background.

TECHNICAL DATA

blueMaster compact 3

Control circuits	3
Operating voltage	230 V_{AC}*
Max. load	max. 3,600 W
Dimensions (W × H × D)	170 × 125 × 300 mm
Weight	approx. 5.0 kg

blueMaster compact 6

Control circuits	6
Operating voltage	230 V_{AC}*
Max. load	max. 3,600 W
Dimensions (W × H × D)	170 × 125 × 300 mm
Weight	approx. 5.0 kg

*Volts alternating current

NOTE

- Mains connection with shock-proof plug
- Load and thermocouple connector on the device with mixed assignment (see diagram)
- Reduction input/fault signal output (see diagram).

WEBCODE
71040

Product description

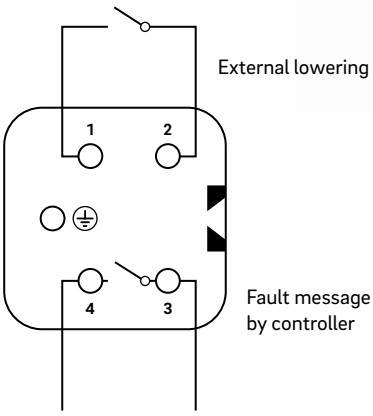
- Operated by app
- Automatic control parameter optimization
- Heat-up function (unites soft start and heat-up ramp)
- Graphical display of temperature
- Four operating modes per zone
- Load fuses accessible from the outside there is no need to open the housing

The blueMaster compact is offered in three versions:

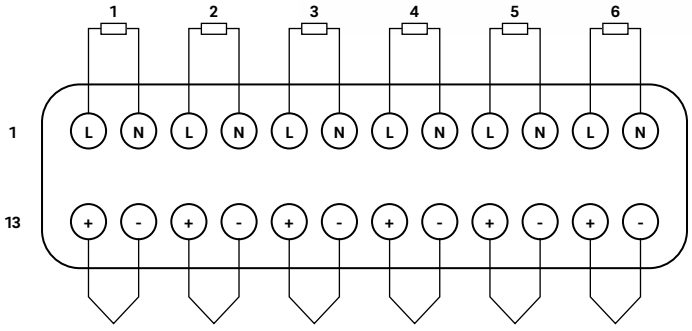
- **Standard:** includes smartphone with installed app
- **With added theft protection:** as standard; the smartphone is also encased in a protective sleeve that is permanently screwed to the device.
- **Without smartphone:** as standard but only includes the control unit. The user provides the smartphone or tablet to operate the system

blueMaster compact versions:

Item code	Quantity of control zones	Version
312.0100.00	3	Standard design
312.0101.00	3	With added theft protection
312.0102.00	3	Without smartphone
312.0150.00	6	Standard design
312.0151.00	6	With added theft protection
312.0152.00	6	Without smartphone



Lowering input/
fault signal output



Load and thermocouple connector

blueMaster pro control unit

Our premium controller, which assists with the setup of new moulds thanks to the assistance function. Operation directly on the device or from anywhere using a browser.

TECHNICAL DATA

blueMaster pro (general)

Operating voltage	380 V_{AC}*
Dimensions (W × H × D)	350 × 220 × 400 mm
Weight	approx. 20.0 kg

blueMaster pro 6

Control circuits	6
Max. load	7,300 W

blueMaster pro 12

Control circuits	12
Max. load	14,500 W

blueMaster pro 18

Control circuits	18
Max. load	22,000 W

blueMaster pro 24

Control circuits	24
Max. load	22,000 W

*Volts alternating current

NOTE

- Connection via 32 A CEE plug
- By default, separate load and thermocouple connectors
- Customized wiring available
- Lowering input/fault signal output (see diagram).

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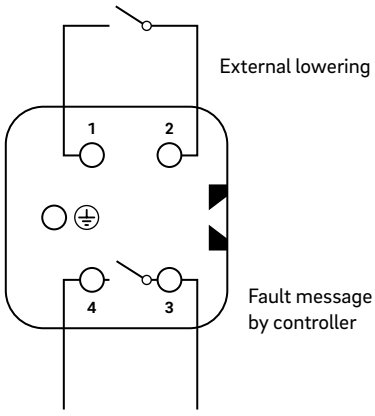
71050

Product description

- Operation directly on the device or using a browser
- Automatic control optimization
- Heat-up function (unites soft start and heat-up ramp)
- Graphical display of temperature profile
- Four operating modes per zone
- Load fuses accessible from the outside
- OPC-UA interface as per Euromap 82.2
- Assistance function to set up new moulds
- Mould storage
- User accounts with different authorizations

blueMaster pro versions:

Item code	Quantity of control zones	Version
312.0200.00	6	blueMaster pro 6
312.0250.00	12	blueMaster pro 12
312.0300.00	18	blueMaster pro 18
312.0350.00	24	blueMaster pro 24




blueMaster
pro
Compact view


THERMO
LOAD

Control units DPE4 to DPE16

Single needle drive for stepper motor type SMA

TECHNICAL DATA

DPE4, DPE8, DPE12 and DPE16

Control circuits	4 to 16
Operating voltage	230 V_{AC}*
Dimensions (W × H × D)	365 × 195 × 400 mm
Weight	9.0 kg

*Volts alternating current

NOTE

The interface cable for the injection moulding machine (open on one end) is included with the scope of supply.

The cables from the control unit to the stepper motors are not included in the scope of supply.

Order designation	Quantity of motors
DPE4	4
DPE8	8
DPE12	12
DPE16	16

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72010

Thanks to clear, well-laid-out and full-colour menu guidance, the current needle positions and the incoming and outgoing signals are always recognizable. The DPE is operated using a touchscreen. The control unit can be configured based on the application. Data can be saved internally and to an USB drive.

Product description

- Operation of up to 16 stepper motors to drive shut-off needles
- Encoder signals are read out to ensure correct positioning
- Cascading of connected needles is easy to implement
- Valve gate control as a closed control circuit
- Logging of all actions and events in internal memory
- Data exchange via USB interface
- Individually adjustable needle positions
- Needle adjustment in the range of 1/100 mm
- Simultaneous closure of shut-off needles possible from different positions
- Fully automated process


Zone 3: Zone [3]
AUF
PARK
ZU
REF
Test
Def
Del
GÜNTHER
HEISSKANALTECHNIK
DPE4


START/OK
Motor 1-8
Motor 9-16
Encoder 9-16
ETH1
COM1
Start Signals 1-16
Encoder 1-8
DPE4
www.guenther-heisskanal.de

Control unit ServoControl SCM

For servo motors as a needle drive on multi-drop sliding mechanism type ANES

TECHNICAL DATA

ServoControl SCM

Interface	48-pole industrial plug connector
Operating voltage	230 V_{AC}*
Dimensions (W × H × D)	370 × 640 × 410 mm
Weight	30.0 kg

*Volts alternating current

NOTE

The cable set is not included in the scope of supply.

Order designation	Quantity of motors
SCM1	1
SCM2	2
SCM3	3

WEBCODE
72020

Three user levels protect the ServoControl from faulty operation while allowing the adjustment of all parameters to suit your application. The ServoControl communicates with your injection moulding machine over freely programmable inputs and outputs.

Product description

- Data and settings are backed up over the integrated USB interface
- Data can be transferred between multiple ServoControl units using USB storage
- User management with various different authorisation levels
- All movement and position data are easy and convenient to set with the user-friendly touchscreen
- 32 A CEE mains connection
- Depending on the version, up to three motors can be operated individually or synchronously
- Servo motors of different performance classes are available for driving the sliding mechanism (ANES)
- The sliding mechanism enables the tightest of cavity spacings and simultaneous closing of the cavities


Handbetrieb Einstellungen
MOTOR 1
Zum Bedienfeld
Änderungen kopieren
L1
L2
L3
Power
SERVOCONTROL
GÜNTHER