

equipment identification from EN 81346

S1 mainswitch  
S2 emergency stop control cabinet  
S3 emergency stop control panel  
S4 limitswitch mould opened  
S5 limitswitch mould closed  
S6-10 pushbutton control panel

U1 12 V power supply  
U2 48 V power supply

E1-6 extruder heating sleeve  
E7-8 heating coil fixed platen  
E9-10 heating coil mould

F1 circuit breaker 10 A

BT1-3 heating sleeve  
BX1-3 hall-sensor

PH1 LCD Modul

Q1-3 Relais PID controller  
Q4 Relais heating coil mounting plate  
Q5 Relais heating coil mould  
Q6 free  
Q7 free

K1 Arduino Mega  
K+ 5V  
K- GND

D22 Relais heating coil fixed platen  
D23 Relais heating coil form  
D24 free  
D25 free

D26 Hall-sensor stepper clamping left  
D27 Hall-sensor stepper clamping right  
D28 Hall-sensor stepper extrusion screw

D29 EN+ stepper clamping left  
D30 PUL+  
D31 DIR+

D32 EN+ stepper clamping right  
D33 PUL+  
D34 DIR+

D35 EN+ stepper extrusion screw  
D36 PUL+  
D37 DIR+

KF1 driver stepper extrusion screw  
KF2 driver stepper clamping left  
KF3 driver stepper clamping right

KF4 PID controller left  
KF5 PID controller middle  
KF6 PID controller right

M1 stepper extrusion screw  
M2 stepper clamping left  
M3 stepper clamping right

R1- R9 Pulldown 10k Ohm