

Smart Moulding Control Quick Start Guide

Applicable model: SMC8
Valid for models from 01.12.2021

1. SMC8 Parts list

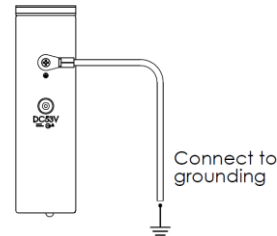
Part name	Item no.	Pieces
SMP8 plug	SMP8	1
SCP442 plug	SCP442	1
Local database (PC Unit)	PC-SYS	1
Touchscreen	SCR-M-H	1
PoE Switch	SWITCH-8	1
UTP cable - bayonet lock	UTP-X	2
UTP cable 500 mm	UTP-500	1
Monitor cable (USB Mini-B)	USB-M-5	1
Monitor cable (Micro HDMI)	HDMI-M-5	1
Power Adapter to PC	PSU-PC	1
Power Adapter to Switch	PSU-SWITCH	1
Mini Displayport-HDMI adapter	MDP-HDMI	1
Mounting accessories (Monitor holder, screws, DIN rail etc.)		

2. Placement of devices

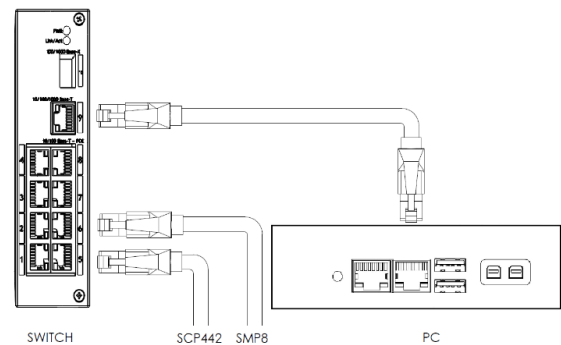
- Fix the PC and the Switch in to the low-voltage cabinet of the injection moulding machine.
- Fix the touchscreen on to the machine, to an easily accessible place with the supplied magnets or a cantilever.
- Check if the mould is equipped with Cavity Eye sensors and SMS8 mould socket.
- Check if the injection moulding machine is ready for connect to Cavity Eye (SCS socket is already mounted).

3. Connecting devices

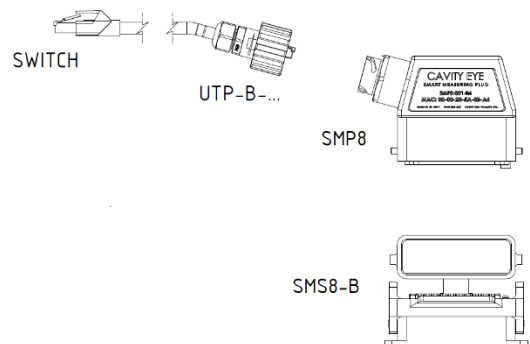
- Connect the grounding cable of the Switch to the grounding point of the machine.



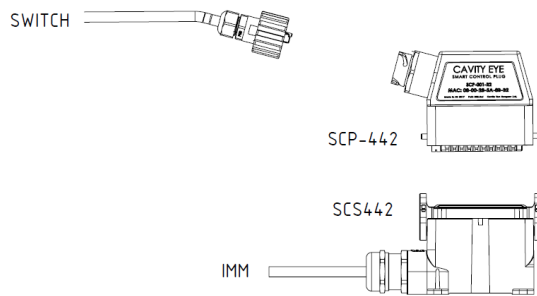
- Connect the PC to the Switch via UTP-500 cable. Use the right-side Ethernet port on the PC and the port 9 on the Switch.
- Connect the SMP and SCP devices to the Switch via own bayonet lock UTP cables. Use port 1-8.



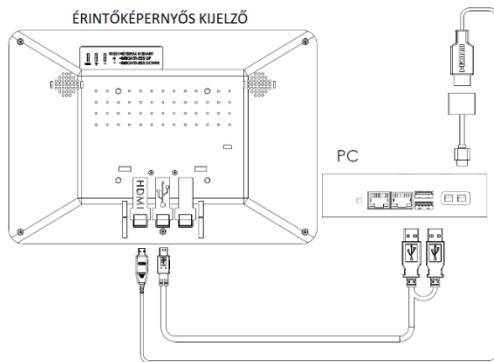
- Connect the SMP device to the SMS socket on the mould, and then fix securing clip.



- Connect the SCP device to the SCS socket on the machine, and then fix securing clip.

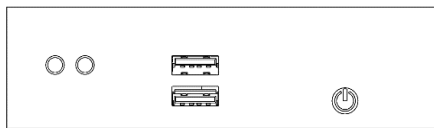


f) Connect the touchscreen to the PC via USB and HDMI cable. For the HDMI cable use the Mini DP-HDMI adapter.





4. Power on

- Plug the power supplies into the 230 V/50 Hz source. Check that the power LED light up on the PC and the SWITCH.
- The system starts automatically. If not, then you have to turn the PC on manually.




When the system started, the LED will turn blue on the power button.


5. Starting Cavity Eye

- When the system is running, you can start the Cavity Eye software by pushing the  icon on the desktop.
- You have to log in to the software to be able to use it. Press the blinking log in button  and enter your password. The default password for engineer user is: 67890

6. Check Smart Plugs

- Open Device Manager .
- Check if the system registers all the connected Smart Plugs
- In case of not seeing a Plug you connected:
 - Exit the software.
 - Disconnect and reconnect the plug. Check if the plug receives power.
 - Start the software again.

7. Check I/O signals

- Open I/O tester  in Settings menu.
- Check if you see the green indicator light when an input is in active state for each input signals you connected.
- Check the output signals by toggling them to 'on' state. See the Injection Moulding Machine's I/O panel, whether the signal is connected properly.

8. Software updates

For further details, please contact us.

www.cavityeye.com
info@cavityeye.com