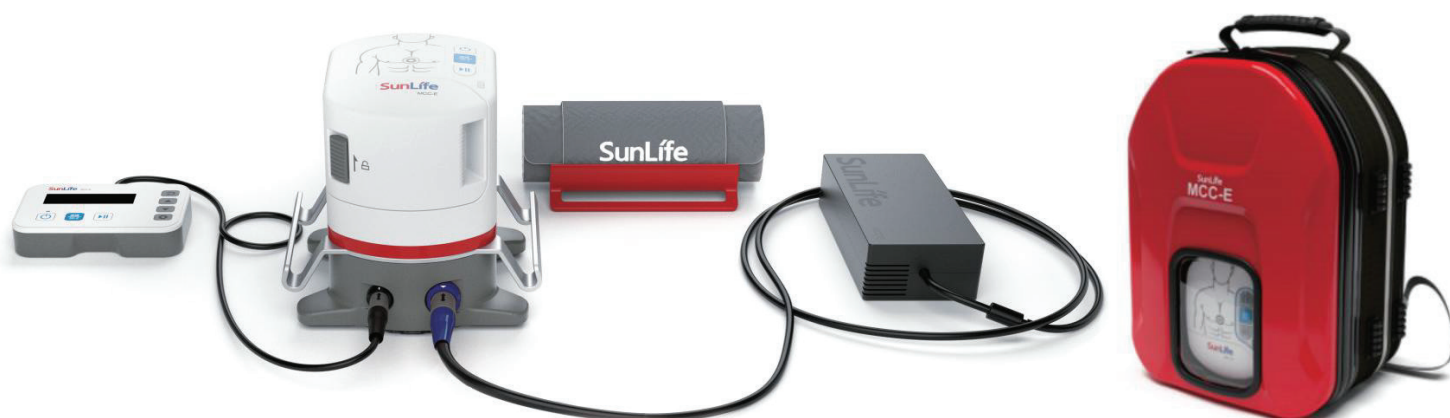


MCC-E

Electric-Powered 3D Chest Compressor



Low Compression Risk

- ✓ Soft start, provide the adaptation period to compression, reduce the risk of fracture.
- ✓ 3D compression combines the theory of cardiac pump and thoracic pump, reducing the impact of compression.
- ✓ Low gravity center (<15cm), avoid toppling and hurting patients when moving at a high speed.
- ✓ Battery can work for 60 minutes and the device can work while charging, which make the compression uninterrupted.

Improve Resuscitation Efficiency

- ✓ 3D compression, patented by Weil Critical Care Medicine, provides higher CPP.
- ✓ Keep continuous high-quality compression in mobile environment and stairway transportation to maximize CCF.
- ✓ Thoracic cavity is three-dimensional fixed, which makes the compression position consistent without displacement.

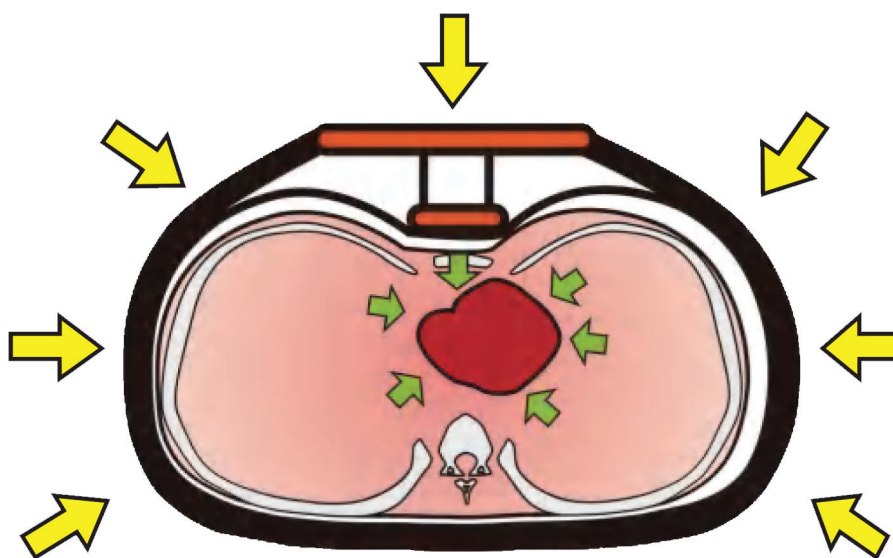
Suitable for Complex Environment

- ✓ Support the work at 45° inclination for Head-Up CPR.
- ✓ Applicable to the preparation of ECPR, hypothermia treatment, and PCI treatment.
- ✓ Separating of compression & operation by using the smart control panel.

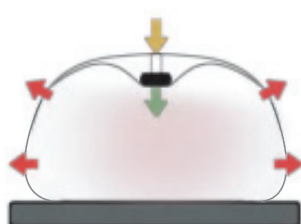
Smart Tool for Resuscitation

- ✓ Adjustable compression depth & rate, help users to develop the optimal compression strategy for different patients.
- ✓ CPR data can be displayed in real time and CCF value is available after each compression.
- ✓ Multiple data communication options, including USB, Bluetooth and WiFi.
- ✓ An ideal tool to help build a Continuous Quality Improving system for monitoring, analysis and improvement.

 Weil 3D Compression Technology



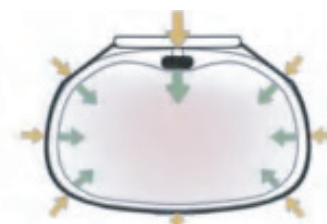
 External Pressure  Internal Pressure  Lateral Released Pressure



1st Generation



2nd Generation



3rd Generation

 High Efficiency and Less Injuries

Experiment Items	1st Generation	3rd Generation	Explanation
Comparison of Coronary Perfusion Pressure (CPP) and required chest compression depth.	12-20 mmHg 5.3 - 6.1 cm	14-50 mmHg 3.0 - 3.5 cm	50% Compression depth delivered by well MCC has the same effect as 100% compression depth delivered by other brand.
Intrathoracic Positive Pressure	10 mmHg	31 mmHg	Facilitates blood circulation
Intrathoracic Negative Pressure	-3 mmHg	-10 mmHg	Better blood perusion
Number of Broken Ribs	Average 2.75	Nil	Less to none complication and injury
48 hours after ROSC on Neurobehavioral Assessment Scale (NAS)	47.5	97.5	Better neuro recovery
Carotid Blood Flow (CBF)	23.5mL/min	42.3mL/min	Better cerebral blood

