

# LUCAS<sup>®</sup> 3, v3.1

## chest compression system

### 16,830

Guidelines-consistent compressions administered during a successful two hour and 45-minute resuscitation<sup>1</sup>

### 50,000

devices deployed globally

### 102-111-120

The LUCAS device delivers Guidelines-consistent rates, now configurable\* to 102-111-120 per minute, without sacrificing compression depth

### 7 seconds

median interruption when transitioning from manual to LUCAS device compressions during routine BLS/ALS use<sup>2</sup>

### 35-40%

of total compression depth is accounted for by mattress compression during manual CPR<sup>3,4</sup>

### 80%

CPR causes back pain in more than 80 percent of nurses who perform it<sup>5</sup>

### Cath lab use

The carbon fiber LUCAS PCI back plate (optional) is intended specifically for use in the cath lab and minimizes image shadows

## By the numbers

### +60%

increased blood flow to the brain vs. manual CPR<sup>6</sup>

### 21%

increase of mean average EtCO<sub>2</sub> compared to manual CPR<sup>7</sup>

### >99%

of survivors at 6 months follow up had good neurological outcomes in large randomized LINC trial<sup>8</sup>



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3. Perkins GD, Kocierz L, et al. Compression feedback devices over estimate chest compression depth when performed on a bed. *Resuscitation*. 2009; 80: 79-82.
4. Jolife AB internal test report on file FAD20181012-1
5. Jones A. Can cardiopulmonary resuscitation injure the back? *Resuscitation* 2004; 61:63-67
6. Carmona Jimenez F, Padro P, Garcia A, et al., Cerebral flow improvement during CPR with LUCAS, measured by Doppler. *Resuscitation*. 2011; 82S1:30,AP090. [This study is also published in a longer version, in Spanish language with English abstract, in Emergencias. 2012;24:47-49]
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8. Rubertsson S, Lindgren E, Smekal, D et al. Mechanical chest compressions and simultaneous defibrillation vs conventional cardiopulmonary resuscitation in out-of-hospital cardiac arrest. The LINC randomized trial. *JAMA*. 2013;311(1):53-61.

**For further information, please contact Stryker at 800 442 1142 (U.S.), 800 668 8323 (Canada) or visit our website at [strykeremergencycare.com](http://strykeremergencycare.com)**

The LUCAS 3 device is for use as an adjunct to manual CPR when effective manual CPR is not possible (e.g., transport, extended CPR, fatigue, insufficient personnel).

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