

**DON'T COUNTER WEIGHT.
DON'T COUNTER WAIT.**



COUNTER MATE



THE ANSWER TO K-12 THEATER RIGGING. SAFE, EASY TO USE, AND YOU CAN PLUG IT INTO AN EXTENSION CORD.

CounterMate is a closed loop counter-weight assist winch intended for K-12 theater rigging automation. It features standard variable speed operation, positioning, and touch screen controls. Speeds and capacities range from heavy and slow machines (electrics and shell ceilings), to light and fast (300lb, 200fpm effect hoists), and a number of options in between. The arbors are sealed, meaning there is no need to handle or adjust counterweight.

CounterMate is suitable for installation on 8" centers without any funny business, and it operates using typical 120VAC single phase power (208 VAC 1ph available). Don't worry, phase reversal is no concern. The incoming power is inverted using an industrial grade variable frequency drive ("VFD") capable of producing full torque at zero speed. The motor is a typical 230V 3ph machine with integrated electromechanical brake. For additional safety, a secondary brake is equipped along with an absolute encoder, dual hard struck over-travel limit switches, closed loop velocity control, and Safe-torque off ("STO").

Both the motor control cabinet ("MCC") and operator console are outfitted with quick-disconnect fittings. In the unlikely event of a control or PLC problem, simply swap in a spare. The show will go on!



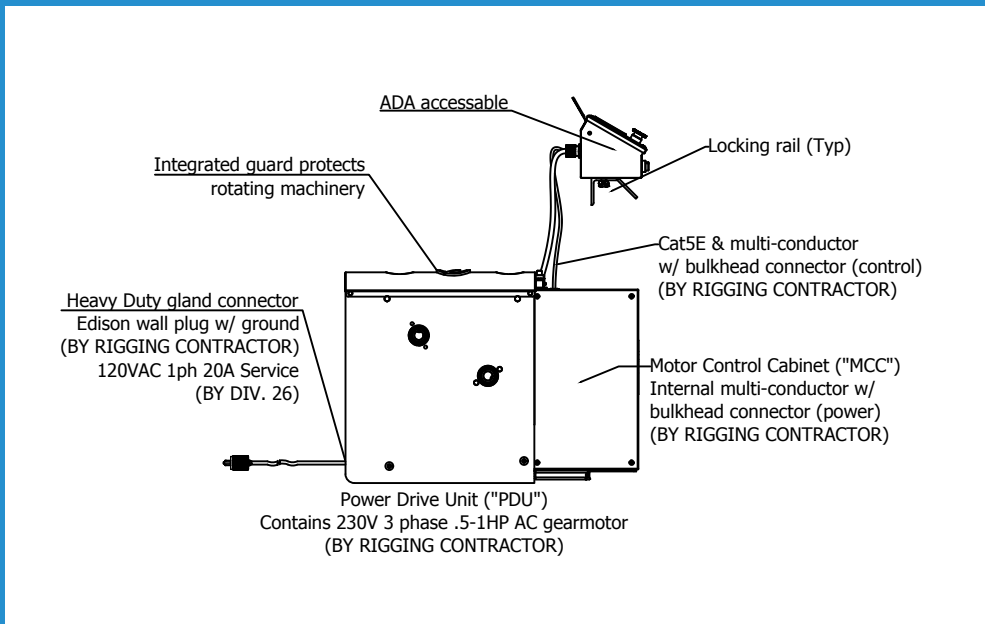
THE PROBLEM, AND HOW WE SOLVE IT.

Counterweight rigging can be dangerous. Insurance and litigation concerns have shut down theater programs across the country due to lack of training and maintenance.

Automated rigging has historically been unaffordable. Packaged winches are great, but they are complex and expensive. They require similarly complex installation and expensive electrical infrastructure. Not to mention, what will you do if it suddenly stops working before an opening? CounterMate utilizes the best aspects of counterweight rigging, and automates only the components that need to be automated. For renovations, the existing rigging system can re-used. Loading bridges are not required, saving as much as \$70,000 from new construction budgets.

VARIABLE SPEED. ABSOLUTE POSITIONING. TOUCH SCREEN CONTROL. BUILT-IN SAFETY. ALL STANDARD.

AVAILABLE Q3 2021



MODEL	LIVE LOAD (SWL)	SPEED	HORSEPOWER	SERVICE	MSRP
CM-SE 300	300 LBS	0-200FPM	1	120V 1PH 20A	\$6995
CM-GP 500	500LBS	0-125FPM	1	120V 1PH 20A	\$6995
CM- GP 750	750LBS	0-100FPM	1	120V 1PH 20A	\$6995
CM- EL1250	1250LBS	0-20FPM	.5	120V 1PH 20A	\$6995
CM- HD2000	2000LBS	10FPM	.5	120V 1PH 20A	\$6995

208 1ph models are also available.

MSRP pricing includes power drive unit ("PDU"), Motor control cabinet ("MCC"), operator control console, drive chain, and a CounterMate sealed arbor. Delivery and installation are not included.

FEATURES:

- HMI touch screen control with easy to use interface
- Save and recall 3 "spikes" with reliable, absolute positioning
- Suitable for 8" centers for all sets
- Sealed arbors eliminate the need for dangerous counterweight manipulation
- Multiple levels of control access: Use only as an up/down controller, or modify acceleration, deceleration, velocity, jerk, etc to create the perfect move for each scene
- Fully ADA compliant operation
- Industry leading safety features including redundant braking, Safe-torque off & onboard diagnostics
- Modular design allows for quick swapping control and operator consoles in minutes
- Operates on standard 120VAC single phase power (208 single phase models are also available), utilizing a 3 phase closed loop vector inverter & 230VAC 3ph motor.

CONTACT US:

www.protechlv.com
www.countermaterigging.com

Protech Theatrical
Rigging & Automation since 1988

3431 N. Bruce Street
North Las Vegas, NV 89030
T: 702-639-0290



HDT
PROTECH
CREW