SINGLE FAILURE PROOF CRANES

For Aerospace Applications

MST Crane - Delta IV

**General Data**
Crane Capacity: 50 Tons  
Bridge Span: 55'-0”  
Lift Height: 300'-0”  
Hoist Speed: 40 FPM  
Duty Class: CMAA D

**Performance Features**
EMI Filtration: Minimizes EMI emissions into power system  
Weigh Scale System: Provides .5% accuracy of the lifted load  
Flux Vector AFD Controls: Allows the load to be held aloft at zero speed  
(3) Separate Control Means: Remote Master and (2) Portable Stations  
Positioning System: Assures positional accuracy of +/- .0625”
Safety Features

Redundant Hoist Reeving System: Prevents load drop in event of rope failure

Overspeed Protection: Directly connected to drum shaft
Misreeving Protection: Designed to detect slack wire rope condition
Emergency Hoist Brake: Caliper type brake acting directly on hoist drum
Hook Isolation: Allows not more than 70 micro-A per 1000 volts applied