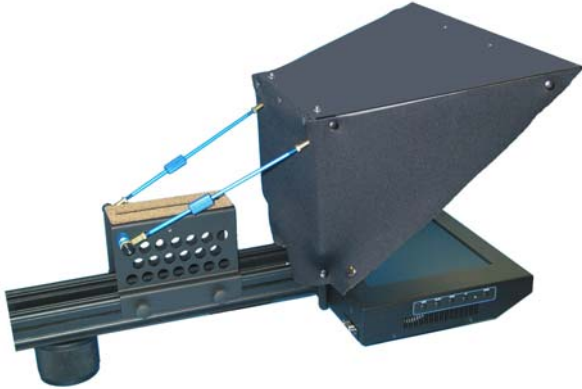




Tekskil Teleprompters for Large Robotic Systems

With every prompter manufacturer claiming to do robotics, compare and see for yourself.



15V Prompter with wide angle beamsplitter and dual outrigger dynamic suspension and tensioning arms

Tekskil has developed a unique suspension and dampening system for use with robotics that no other manufacturer has. Based on tensioning and triangulation (regarded as the strongest support there is), Tekskil has fine tuned this system over the past nine years. Beginning in 2002 a leading robotic positioning manufacturer approached us with a problem they needed to solve – namely excessive vibration in the large beamsplitters necessary for use with wide angle HDTV lenses. Weight and mass hung off the front of the pan & tilt seemed to amplify any vibrations when the system was panned on-air. They approached several manufacturers with no success until they came to Tekskil.

Our engineers studied the problem and decided that the best way to cancel out the vibration was to make the system very rigid and to put the beamsplitter under some slight tension. The first step was to make the beamsplitter shroud as rigid as possible by constructing a frame of aircraft quality aluminum and then stretching fabric over it. A full metal top adds rigidity without adding much additional weight. This solution accomplished two things – making the beamsplitter very light weight and very rigid. The next part of the solution was to triangulate the system to minimize vibrations. The system you see here has two outrigger arms that triangulate the beamsplitter back to the camera riser which is firmly attached to the rail. These outriggers have spherical rod ends to prevent binding and allows the camera riser to have complete freedom of movement to perfectly balance the camera. The outriggers are made up of two hollow rods one inside the other and adjusted for length by the weighted turnbuckle which helps to dampen out any vibrations that are present.

When you hang a Talent Assist/Aux Panel to the front of a teleprompter the problems are exacerbated to the point of distraction to the talent. Unlike our competitor who uses an articulated arm to support the LCD panel below the prompter head, Tekskil uses a U-shaped truss assembly with triangulation handled by another of our exclusive outrigger arms to supply tension. This is a very robust and stable platform for which to hang an Aux Panel and still be lightweight.

Other vendors may claim that prompters are pretty much the same and attempt to focus the decision-maker on just the price. However, 30 years of working with broadcasters has underscored to us that prompter performance and reliability are mission critical to the station - the production impact of malfunctioning talent support equipment can be severe. Tekskil's obsession with engineering high performance prompters has resulted in features that other vendors cannot provide:



Articulated arm provides vertical strength but will sway side to side



Note the heavy duty truss assembly with dynamic stabilization arm

Ask your robotics positioning manufacturer what is the most stable teleprompter - you will find the answer is always Tekskil!

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