# DRAPER RPX—REAR PROJECTION SYSTEM

## TAKES THE GUESSWORK OUT OF REAR SCREEN SYSTEM DESIGN

Draper designed the Rear Projection System (RPX) to provide perfect rear screen picture quality, while saving valuable floor space. The RPX folds the light from a video, data-graphics, LCD, DLP, CRT, digital or slide projector using the finest optical quality, first surface glass mirror.

RPX consists of a custom designed projector cradle, a 94% reflective first surface mirror and a unitized framework of blue extruded aluminum. The framework positions the projector and mirror in precisely the right relationship to each other and to the rear screen.

The customized projector cradle allows for *both tilt-axis adjustment and micro-fine height adjustment—without tools—*to position the image on the rear screen.

The real beauty of the RPX is that it is built specifically for your unique require-ment. You provide us with the make and model of projector, desired screen size, and a few simple room dimensions. Our designers evaluate the optics and determine the proper light path geometry. RPX is preset for a perfect fit. If the room dimensions or projector specifications change, RPX can be adjusted during installation. Mirror height and angle, projector height and position (front to back) are all adjustable. The RPX ships with all required fasteners and hand tools.

Four models to choose from—

- **RPX—**as described above.
- **RPX/Complete—**an RPX plus a framed rear screen attached to the RPX for a perfectly aligned system *(described on page 54).*
- **RPX Precision—**an RPX plus a precise Alignment Platform (described on page 54) for fine tuning critical adjustments such as found with videowalls or joined screeen applications.
- **RPX/Lite—**for projectors weighing less than 50 lbs *(described on page 54).*

## EXCLUSIVE FEATURES FOR ADJUSTABILITY

**Mirror Pivot Plate makes mounting the mirror much easier—**The addition of shoulder bolts means the mirror can simply be lifted into position and stabilized at the proper angle while a second bolt is installed. After installation, adjusting the height or angle of the mirror is easy with the calibrated plate and predrilled adjustment holes.

**Cradle Pivot Plate and Height Adjustment—**With the new calibrated pivot plate, micro-fine finger adjustment of tilt angle and height, and cradle-to-mirror distance adjustment, resetting the RPX in the field is simple. You may even be able to adjust for a new projector.

**Draper's 6-Axis Adjustable Platform—**Standard with the RPX and RPX/Complete units. The platform allows all movement to be modified for best image alignment. The projected light path can be adjusted in all 6 axes for a perfect picture every time. (Not available for projectors over 45 lbs.)

**Reinforced Mirrors—**Visit our web site for details of this exclusive feature, plus submittals and specifications of all our RPX Systems:
*www.draperinc.com/go/RPX.htm*



*RPX features metallic blue aluminum extrusions. This unit pictured illustrates the standard RPX configuration.*

## MIRROR MANAGER

**No more lost pixels.**

You may know how tough it can be to make those final tweaks so the projector will put a perfectly square image on the rear projection screen. Lining up all the images in a control center videowall may be the work of several days. Mirror Manager is Draper's innovative solution to that problem.

The Mirror Manager may be used as part of a Draper Rear Projection System, Retro, MultiScreen System or anywhere a Draper first surface mirror is installed. With Mirror Manager, the final image adjustments are quick and easy. After you have adjusted all the larger controls (the projector, its platform and mirror position) then Mirror Manager goes to work. Using its hand-operated knobs, you can quickly fine-tune the image to eliminate pincushioning, barrel distortion and just to square up the corners. The mirror remains securely mounted in a black anodized extruded aluminum frame.

*Mirror Manager saves installation time and money, and improves the image by actually bending the mirror in tiny, highly controlled increments. Use eight knobs around the perimeter to make the precise adjustment you need. Mirror Manager should be used only for those minor tweaks that look so easy and take so long without it.*