Ergonomic Workstation Accessories

Newport offers the widest selection of accessories to bring the most ergonomic utility out of our VH, LW and Elite 3 workstations. The accessories can be ordered with the workstation as an option or purchased separately to retrofit or upgrade existing workstations.

Armrest Support Rails

Armrest rails and support rings rigidly attach to the workstation frame and are mechanically isolated from the work surface. Including the Armrests free of charge, they offer ergonomic comfort to microscopists, assembly and test technicians.

- The Single Support Rail can be used on the front and/or rear of the workstation to support armrests and keyboard shelves; front and rear configurations will support sliding shelves.

- The Full Support Ring will support complete shelving systems, monitor arms and custom structures using our X95 rail products. The aluminum ring is coated with a scratch resistant finish and will support up to 300 lbs (135 kg). As an added benefit the ring provides some earthquake restraint by surrounding the breadboard.
Equipment Shelves

A variety of shelving systems are available to ergonomically place instruments in easy reach of the workstation operator. These shelves are mechanically isolated from the work surface to minimize vibration.

- The Single Equipment Shelf and Double Equipment Shelf stand on the full support ring and provide convenient storage and location of up to 75 lbs. (34 kg) of equipment. The wrap around “U” design increases shelf space but leaves the center clear for microscopes and other tall instruments. Made of scratch resistant Formica, the shelf at back of the “U” is 14 in. deep, the sides are 8 in. wide. The shelves are adjustable in 2 in. increment heights from 12 in. to 24 in.

Sliding Shelves

- Sliding Shelves rest on a double rail or ring to provide increased equipment space over the isolated work surface. These Formica® shelves slide on the rails using nylon bearings and can be easily repositioned to maximize workstation flexibility. Stationary shelves cover the entire work surface and include a cutout in the center for microscope placement. These are available in select sizes.

Support Ring

Single Support Rail with Armrests

Support Ring with Armrests

Microscope stationary shelf

Equipment Shelves

One or two equipment shelves attach to the optional support ring, providing extra storage space without transmitting vibrations to the work surface.

Sliding Shelves

Available in 6, 10, 14 and 21-inch widths, these durable laminated shelves rest on the optional support ring. Be sure to order one for a handy place to keep essential tools, samples or documents close at hand. Or, for maximum shelf space, order two—one on each side of your system.
Computer Accessories

A variety of computer accessories are available with Newport workstations.

- Monitor Arms attach to the full ring and will support instrument loads up to 50 lbs (23 kg). The monitor platform measures 12 in. x 12 in. (300 x 300 mm).

Cable Management System

Poor cable management is the primary problem in many vibration isolation systems. Cables brought to the isolated work surface can short the floating platform to ground and introduce high levels of vibration. The Newport Cable Management System secures cabling in a foam grip and can mount to the breadboard or frame. When used with a proper service loop in the cable, most cable induced vibration noise can be avoided.

- The Keyboard Shelf offers a 26 in. wide by 8 in. deep surface to support both a keyboard and track ball or small mouse pad.

Support Ring Mounts

Mounts may be moved anywhere around the support frame for secure attachment of virtually any type of special equipment. A generous array of tapped holes on the top and side surfaces permits secure mounting. Many customers order an extra mount for last-minute equipment additions.

Instrument Rack

Standard 19-inch rack-mounted electronics modules can be integrated into the work-station with the instrument rack accessory. The rack is constructed of welded heavy-gauge steel for stability and ruggedness. For additional isolation from vibrations transmitted through control, signal and power cables, the Cable Manager accessory is recommended.

Casters

With these heavy-duty casters, a work-station can be quickly and easily moved by one person. IsoStation is also compact enough to fit in most elevators.
Support Ring Mount

These black anodized aluminum mounting fixtures offer an 1/4-20 English or M6 metric hole patterns along the top and side of the assembly. When used with our ring or rail systems, these mounts offer platform isolated support for loads up to 35 lbs and side loads to 840 in/lbs.

Instrument Rack

Standard 19 in. instrument rack mounts to the front of any VH workstation and can carry up to 75 lbs. (34 kg) of equipment. The rack has capacity for:
- Two #13 panels (7 in. x 19 in.)
- Three #12 panels (5.25 in. x 19 in.)
- One #14 (8.75 in. x 19 in.) and one #12

Casters

Casters are available for the VH or LW workstation. Cleanroom casters are available for the VH. The wheels of the cleanroom caster are made with an anti-static material to prevent particulate contamination. The caster housing is stainless steel.

Earthquake restraints

The Earthquake Frame Restraint secures the frame of any Newport workstation to the ground. Clamps surround the feet and bolt to the floor.

Ordering Information

Workstation Option Order Reference

(Based on 30 x 36 in. VH or LW Workstation; part number will change for other widths and lengths)

<table>
<thead>
<tr>
<th>Description</th>
<th>Model (Metric)</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>Full Support Ring</td>
<td>VH-FR3036</td>
<td>Armrest included</td>
</tr>
<tr>
<td>Single Support Ring</td>
<td>VH-SSR36</td>
<td>Also available in 30, 48, 60 in. wide</td>
</tr>
<tr>
<td>Single Instrument Shelf</td>
<td>VH-S13036</td>
<td>Requires Full Support Rail</td>
</tr>
<tr>
<td>Double Instrument Shelf</td>
<td>VH-S213036</td>
<td>Available for 3036 and larger</td>
</tr>
<tr>
<td>Sliding Shelf, 6 in. wide</td>
<td>VH-S630</td>
<td>Requires Full Support Rail or two Single Support Rails. For 36 in. wide frames order VH-S636 etc.</td>
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<tr>
<td>Sliding Shelf, 10 in. wide</td>
<td>VH-S1030</td>
<td></td>
</tr>
<tr>
<td>Sliding Shelf, 14 in. wide</td>
<td>VH-S1430</td>
<td></td>
</tr>
<tr>
<td>Sliding Shelf, 21 in. wide</td>
<td>VH-S2130</td>
<td></td>
</tr>
<tr>
<td>Monitor Arm</td>
<td>VH-M</td>
<td>Requires Full Support Ring</td>
</tr>
<tr>
<td>Keyboard Shelf</td>
<td>VH-KBS</td>
<td>Requires Full Support Ring or one Single Support Rails</td>
</tr>
<tr>
<td>Support Ring Mount</td>
<td>VH-AM (M-VH-AM)</td>
<td>Require Full Support Ring or one Single Support Rail</td>
</tr>
<tr>
<td>Instrument Rack, 19 in. standard</td>
<td>VH-IR36</td>
<td>VH Only. For wider frames order VH-IR48 etc.</td>
</tr>
<tr>
<td>Cable Management System</td>
<td>CMS</td>
<td></td>
</tr>
<tr>
<td>Casters, VH only</td>
<td>VH-C</td>
<td>VH only</td>
</tr>
<tr>
<td>Casters, Cleanroom</td>
<td>VH-CD</td>
<td>VH only</td>
</tr>
<tr>
<td>Casters, LW only</td>
<td>LW-C</td>
<td>LW only</td>
</tr>
<tr>
<td>Earthquake Frame Resistant</td>
<td>VH-ERF</td>
<td>VH only</td>
</tr>
<tr>
<td>Frame Support Foot</td>
<td>VH-FT</td>
<td>3/4-10 x 3 in. thread</td>
</tr>
</tbody>
</table>

Contact Newport’s application engineers for workstation-specific part numbers.

Email: sales@newport.com • Web: www.newport.com