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## High Tech Vertical Rack Specifications

### Internal Frame Work

- 16 ga cold rolled tubular steel (primarily 1"x1", 1"x2", and 1-1/2"x 1")
- Optional 12ga tubular steel on request
- Mig welded construction using .035 wire
- All external welds ground smooth
- Framework covered in black textured powder coat
- Normal rack rail width opening 19.125" per EIA RS-310-C rack standards
- Tapped 10/32 rack rail used primarily
- Rear Rail mounted on Unistrut supports for adjustability of depth setting
- 1/4" thick 4"x4" mounting plates in lower section with 9/16" hole for bolt down
- 3/4" angle iron used on rear edge for lift off door placement

### External Covering

- 5/8" Kortron, black one side, is secured to frame work using #6 tek screw
- Kortron is covered with General purpose (HGL) laminate that meets or exceeds performance standards set by ANSI and NEMA.
- Optional internal 5/8" laminate side and top panel flush to metal framework

### General Specifications

- All multiple racks are designed in multiple components to facilitate access to a facility thru a standard 36" door but minimize assembly time
- Standard rack is 45ru with 30" depth, but both height and depth can be easily customized.

### Optional Components

#### Rear Door Construction

- 5/8" MDF Ultra light substrate
- Internal surface covered in black vertical grade laminate
- External surface covered in General purpose grade (HGL) laminate
- Southco Latch model M1-63 secures top of rear door to vertical rack framework
- 16ga perforated steel vents with 3/16" round holes in 1/4" centers top and bottom

#### Countertop Construction

- 16ga 1-1/2"x 1" tubular steel framework, bolts to corresponding metal frame welded to rack
- Mig welded construction using .035 wire
- All external welds ground smooth
- Framework covered in black textured powder coat
- Top surface covered in 5/8" black Korton secured to frame work by #6 tek screws
- Countertop edge covered eight quarter solid hard wood
- Lower countertop edge is set at 27" to adhere to ADA requirements

#### Seismic Bases

- 12ga 1-1/2"x 1" tubular steel framework designed with lateral stability
- 1/4" steel plates in the top corner, bolts the rack to seismic bases with 3/8" grade 5 bolts
- 1/4" steel plates welded to bottom legs allow for anchoring to floor
- Height vary depending on customers requirements

#### Warranty

High Tech Furnishings manufactures vertical racks to the highest standards. We have been manufacturing Broadcast Racks and Consoles of the highest quality for over 20 years. We warrant our products to be free from labor and material defects, for a period of one year from the date of purchase. Shipping, handling and nominal component cost increases may apply. Normal wear and tear may be excluded.