

Data Center Solutions

Industrial Adhesives & Tapes Division

Comprehensive solutions for data center racks, cabinets and enclosures that enhance performance, durability, and efficiency. These seamless bonding solutions can help improve speed, scale and quality for hyperscale and modular designs. We have solutions that can help reduce noise and vibration as well as ensure longevity of enclosures compared to traditional assembly methods. Discover how 3M is driving innovative designs in the assembly of mission critical enclosures used for data centers.



**Maximize throughput,
minimize noise.**

Rack Unit Labels

Vibration Damping & Noise Reduction

Frame Assembly (Metal Bonding)

Frame Assembly

Glass or Acrylic Window Bonding

Panel Attachment

Window bonding

Adhesive benefits:

- Clean aesthetics
- Reduce structure-born noise
- Bonds dissimilar materials (metal + glass/plastic)

Recommended solutions:

- 3M™ VHB™ Tape

Stiffener to panel attachment

Adhesive benefits:

- Improve manufacturing efficiency, increase throughput
- Reduce welding
- Reduce noise and vibration

Recommended solutions:

- 3M™ VHB™ Tape

Gasket, Insulation, and Acoustical Foam attachment

Adhesive and foam benefits:

- Peel and stick solutions for fast assembly and precise fitment
- Adhesives for many substrates
- Foams offer low compression set and high durability

Recommended solutions:

- 3M™ Acrylic Adhesive 300MP+
- 3M™ Low VOC Adhesive Transfer Tape 59812LVC
- ISOLOSS™ LS Polyurethane Foams

Rack unit labels

Adhesive benefits:

- Thickness and adhesive systems for many finishes and textures, helping to ensure the labels last the life of the product with less failure or peeling

Recommended solutions:

- 3M™ Acrylic Adhesive 300LSE (long term, durable option)
- 3M™ Durable Label Material (general purpose option)

Panel attachment

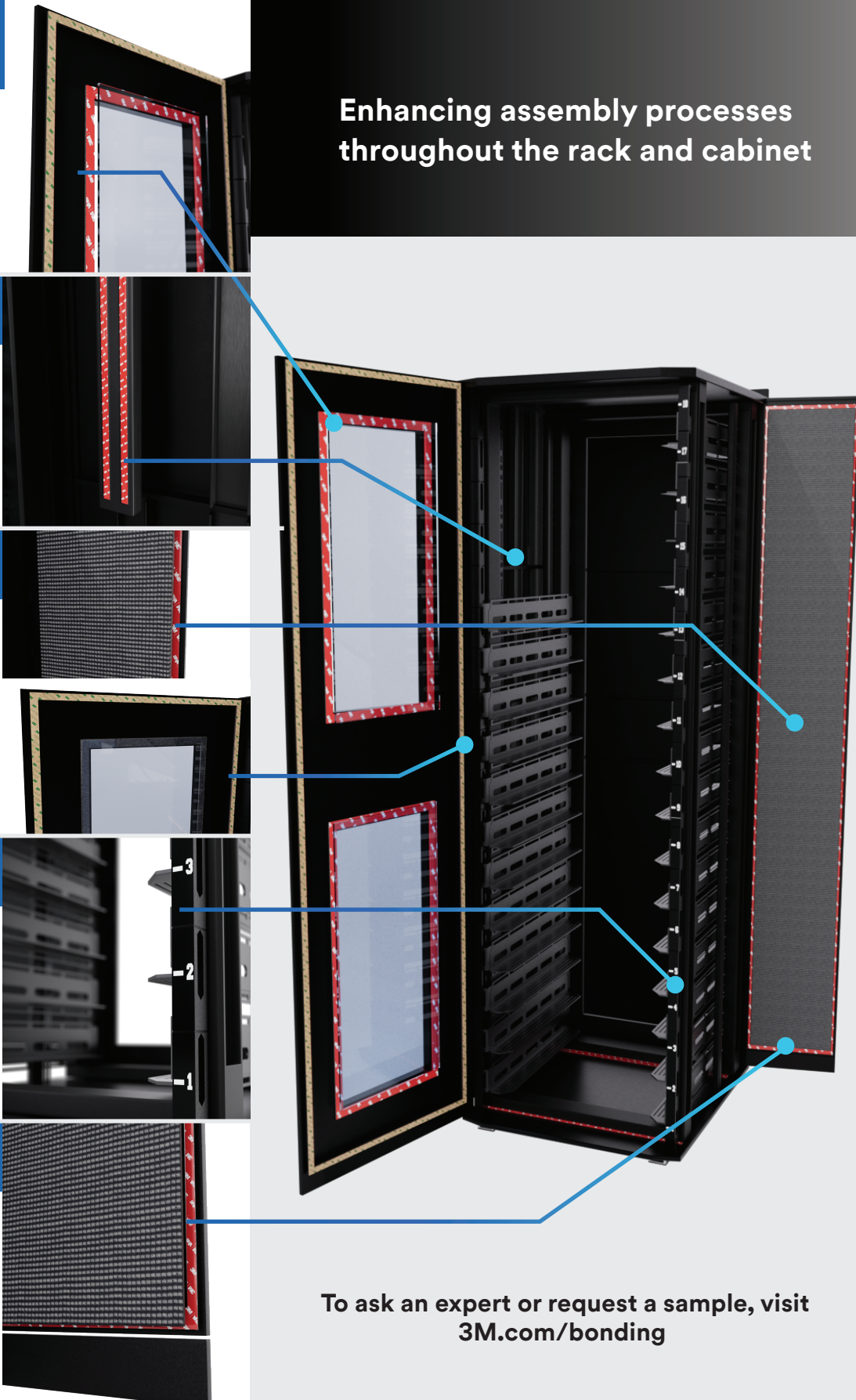
Adhesive benefits:

- Enables bonding of dissimilar materials
- Dampens vibration and noise
- Improves design aesthetics by eliminating screws or rivets

Recommended solutions:

- 3M™ VHB™ Tape
- 3M™ Dual Lock™ Reclosable Fasteners

Enhancing assembly processes throughout the rack and cabinet



To ask an expert or request a sample, visit [3M.com/bonding](https://www.3m.com/bonding)



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