

Here in Minnesota we place customer safety first. Ergotron tests and certifies everything!
After 35 years in business, we still sweat the details.

User forces

To encourage frequent movement between sitting and standing positions, height adjustment must be easy and instantaneous. If it is not, users will reposition less frequently, diminishing the positive productivity and comfort benefits. Lift systems that are poorly designed require excessive user force.

Standards

Certification labels on products provide assurance that basic government safety regulation standards are met. Multiple standards outlined by Underwriters Laboratories Inc. (UL), The American National Standards Institute (ANSI), and Business and Institutional Furniture Manufacturers Association (BIFMA) are implemented in Ergotron testing procedures.

Load & cycle tests

Users of desk converters commonly adjust their workstations several times a day, creating hundreds of cycles in a month. Products should undergo stringent testing of 10,000–20,000 cycles under fully loaded conditions. Why does it matter? Because in a professional environment, a failure rate of 5 percent per year in a 1,000 desk office can result in needing to replace 50 units every year, which is costly and disruptive to the users and facilities staff. These products are meant to improve productivity; therefore, they need to be reliable.

User force testing for lowering the platform



Load testing of tilt mechanism



Cycle test for height adjustment



A sampling of the professional testing standards used by Ergotron:

1.0	SAFETY / REGULATORY (UL 1678 5TH EDITION 8/10/2012)
1.1	Corrosion protection
1.2	Sharp edges
1.9	Tip stability test: With the workstation loaded to maximum weight capacity at the top position, press on the keyboard tray to ensure it will not tip to the user
1.10	Tip stability test
1.11	Dynamic tip stability test for tall institutional carts and stands
1.12	Force stability test
1.13	Appurtenance stability test
1.14	Loading test
1.15	Handle strength test
1.16	Appurtenance loading test
1.17	Glass parts impact test
1.18	Wheel, roller, or caster securement test
1.19	Braking test
1.20	Adhesives test
1.21	Pinch points: In any position, can the user or another person accidentally get their finger or hand pinched or severed?
2.0	GEOMETRY
2.1	Plastic fit / function
2.2	Cable management
3.0	USER FORCE / TORQUE
3.1	Peak user force: With the workstation loaded to maximum weight capacity, adjust workstation according to directions, then evaluate force to raise and lower. Repeat at minimum rated load.
3.2	Brake user force
3.3	Upward user force to cause tip: Apply maximum rated load, then evaluate whether applying upward force to the keyboard tray will cause the workstation to tip backwards.
3.4	Auto-rise check
4.0	CYCLING
4.1	Vertical motion cycle life under max load: 10,000–20,000 cycles
4.2	Vertical motion brake skip test
5.0	LOADING / DESTRUCTIVE
5.1	Static 4X loading
5.2	Dynamic loading
5.3	Worksurface pencil hardness
5.4	Handle lock hold force withstand
5.5	Keyboard leaning force support

You can be sure
that our products are safe –
even when loaded to the max
and moved to the max

We load test each product
to 4X weight capacity
to ensure
professional standards

See all of our products at ergotron.com

