



Teknion adjust to fit

livello



- 30+ years designing and manufacturing height-adjustable tables.

- 197,000+ hours dedicated to sit/stand research and development.

- 30,000+ hours engineering innovative counterbalance mechanisms.

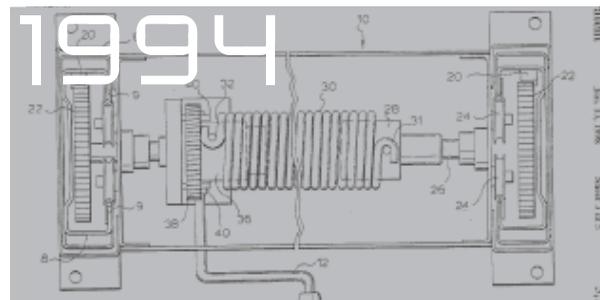
- 250,000+ users benefiting from counterbalance table mobility.

liwello

adjust to fit:
a history
of milestones

- **TREND** Enclosed workspaces are designed to support computer technology and all data/power requirements within the panel-based system.
- **TECHNOLOGY** Bulky CRT monitor, keyboard, CPU.
- **WORKER** Teknion responds to the needs of the intensive computer user, offering incremental, panel-based height adjustability.

- **TREND** Enclosed spaces with off-module planning signal a shift towards greater planning flexibility.
- **TECHNOLOGY** CRT, keyboard and CPU remain primary tools, but can now be supported by freestanding components within the panel framework.
- **WORKER** The focus remains on technology, but design reflects a greater understanding of how to integrate people, space and technology.



Teknion® introduces the Teknion Office System (T/O/S®), which includes worksurfaces that offer height adjustability for seated workers. Designed to address new technology-driven needs, the worksurfaces offer incremental height adjustment using a bracket positioned in vertical panel slots.

Transit® evolves from T/O/S as a fully integrated panel and freestanding desk system. Addressing the interplay of people and technology, Transit worksurfaces can be raised or lowered during installation or reconfiguration—or by the user during the course of work.

Together with Teknion, Hanna Shabeen establishes Ergotech to manufacture an independent line of freestanding, height-adjustable tables that can be customized to the client's specifications. Drawing on the talents of a skilled engineering team, the tables provide an extended range of adjustability, as well as aesthetic variations.

Hanna Shabeen and team file a patent for an innovative counterbalance table. Development of the counterbalance table offers advantages to the user and the organization: sit-to-stand range, quick and easy adjustment and a minimal environmental footprint.

- **TREND** Teknion anticipates the “day after tomorrow” by developing a line of mobile furniture that adapts and adjusts to new technology-driven needs.
- **TECHNOLOGY** CRT monitors are more streamlined, presaging a steady trend towards more compact, mobile forms of technology.
- **WORKER** Ability empowers workers with mobile furniture and thus, encourages a step towards greater user control of the workspace and enhanced interaction among workers.

- **TECHNOLOGY** The use of technology grows exponentially, and everyone in the office now employs digital tools and requires furniture that supports daily work at the computer.
- **WORKER** New height-adjustable and ergonomic products represent a shift from supporting technology to addressing its effect on users as the stresses associated with computer use emerge.
- **TREND** Organizations evolve to become less hierarchical and more democratic, fluid and collaborative.

- **TECHNOLOGY** Flat-screen monitors, together with mobile and wireless technology, all exert an influence on user behavior and on workstation design as real estate is freed up and the table/desk becomes the focus.
- **WORKER** A more open workplace, equipped with freestanding and mobile furniture and sit-to-stand height adjustment, begins to free workers from sitting for long hours in one place.
- **TREND** The dimensions of the workstation shrink, panels become lower and storage moves to credenzas and pedestals, creating less enclosed and more dynamic workspaces.



Teknion launches Ability®, a line of mobile furniture inclusive of Quick Shift® height-adjustable tables. Quick Shift tables offer sit-to-stand height adjustment, plus the ability to adjust keyboard height and tilt—ideal for intensive computer use and multiple-user stations.

Transit Freestanding offers height-adjustable products suitable for the private office, as well as semi-private workstations and the open plan. Height adjustability is integrated into the design of table legs, freestanding desks, returns, bridges, conference returns and corner units.

Designed to support the health of people at work, the Complements Ergonomics and Accessories program offers keyboard solutions, adjustable monitor arms and adjustable task lighting that give each person control over posture, comfort and task demands—whatever the person’s age, gender and physicality.

Teknion adds Complements height-adjustable tables to the Complements Ergonomics and Accessories program. Designed for use by one person or several, Complements height-adjustable tables offer a range of sizes and a refined aesthetic appropriate for a spectrum of settings.

Designed in partnership with ACER Design of Denmark, Teknion introduces Livello™ height-adjustable work and meeting tables. Livello tables offer simple, efficient height adjustability and a linear aesthetic inspired by modern European design.

- **WORKER** Teknion Fit represents a major shift from focusing on technology to focusing on the people who use technology.
- **TREND** The science of ergonomics leads to a general concern about well-being in the workplace and translates into design that supports healthy postures and movement for every person whatever the task, technology or space.
- **TECHNOLOGY** Along with all types of personal

mobile devices, people at work use a spectrum of digital tools to support new ways of work, both within and outside the conventional office.

- **WORKER** Design now focuses on the user experience, providing a pleasing aesthetic, intuitive function and quick and easy sit-to-stand height adjustment.
- **TECHNOLOGY** The prevalence of technology cannot be overstated. The Livello Counterbalance table provides full technology support.
- **TREND** The workplace continues to evolve, technology continues to

advance at a rapid pace, but the defining trend is to provide a positive, engaging and healthy user experience.



MAST™ is a family of monitor adjustment arms designed and engineered to meet and exceed ergonomic standards, providing a wide range of adjustability that promotes a healthy posture and user comfort.

Teknion implements Teknion Fit™, a user-focused planning program created to integrate ergonomic principles and products throughout the workplace. Teknion Fit incorporates products from the Complements Ergonomics & Accessories program into comprehensive planning solutions.

Expanding the family of Complements height-adjustable tables, the Complements Counterbalance table offers a refinement of the Quick Shift counterbalance table with a slim profile, improved mechanism, higher weight capacity and increased height-adjustment range.

Teknion debuts the Livello Counterbalance table, a sleek, sophisticated table that offers immediate and virtually effortless height adjustment. Easy to understand and use, the table integrates seamlessly with all Teknion furniture.

design for the human-centered workplace

The human body was made to move. It follows that the human-centered workplace should provide people with a choice among workspaces and working postures. Alert, engaged and healthy workers are most often those who are afforded some ability to control the work environment—to sit, stand and move around.

The Livello Counterbalance table—an innovative, proprietary design that offers simplicity, speed and range—instantly moves between sitting and standing height to fit the person and the task. Livello is designed to support each user's specific physical and workstyle needs, as well as an organization's broader strategies to create a healthy place to work.

The Livello Counterbalance table builds upon Teknion's history of advanced design thinking and an ongoing dedication to create furniture that connects people, technology and spaces; user-focused products that allow people to be more productive and creative at work.

During the 1980s and 1990s, digital tools transformed the ways that work was organized, conducted and experienced—creating a demand for new kinds of spaces

I2X

Representative of the number of times you would have to climb to the top and back of Mt. Everest to equal the total range of height adjustability provided to office workers using Teknion's original Counterbalance table.



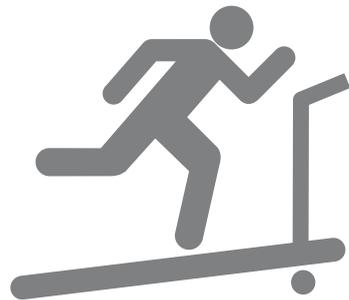
ergonomics from the greek ergo
(work) + nomos (natural law).



outfitted with new kinds of furniture. Technology drove the design of highly adjustable work chairs, height-adjustable tables and other tools designed to support computer-intensive work—without discomfort, fatigue or injury. Ergonomics became a key tenet of design.

The Millennium marked a shift in emphasis. A workplace designed to fit people to technology was reshaped into an office designed to fit human physical, cognitive and social needs. Today, we recognize that a sustainable, high-performance workplace relies on healthy, alert and productive workers.

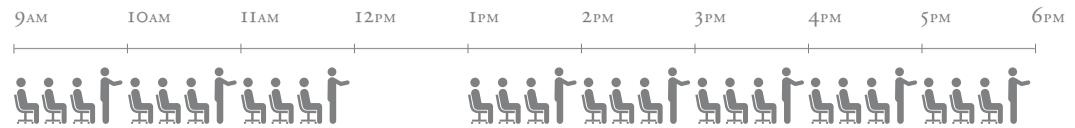
While most office workers sit for most of the day, research shows that all-day sitting is a serious health risk. At the same time, those who stand all day may experience discomfort or strain. The most effective way to maintain health and comfort at work is to alternate between sitting and standing, shifting one’s posture at frequent intervals to relieve the intensity of any one position and moderate its effects. Through movement, the body maintains comfort and its potential for good health. The risks associated with sedentary work are now widely acknowledged and fortunately, mobile technology has opened the door to a workplace in which people are free to work in a variety of settings—choosing to sit, stand or even recline.



3:1
The sit-to-stand program that a research collaboration with the University of Waterloo’s Spine Biomechanics and Injury Prevention Laboratory has shown to significantly reduce whole body discomfort versus sit-only or stand-only working with no negative impacts on worker productivity.

SOURCE *Karakolis T. Callaghan JP. 2013. Private Report. Assessment of Discomfort, Posture and Productivity While Performing Office Work on a Counterbalance Height-Adjustable Table.*

Workday Mobility = Treadmill Program



teknion creates products that
embrace change.

john hellwig, vp design strategy and research, teknion

Height-adjustable furniture, along with a range of active design strategies, is now an essential feature of the modern, sustainable workplace.

Teknion is an industry leader in the design and development of user-focused, height-adjustable furniture, from the counterbalance table introduced in 1993 to the propriety Livello Counterbalance table. As an advocate for a healthy, sustainable workplace, Teknion designs innovative furniture products that encourage people to alternate postures and embrace a balanced level of activity at work.

over the years, we have fine-tuned the design but the mechanism was and is robust. lowering the table recharges the spring, putting the initial energy back into the spring so that it does the work to lift the table. the propelling force is the energy stored in the spring. the design is very successful, making teknon a leader in the category.

hanna shaheen, president, ergotech, a division of teknon

1994

ORIGINAL
COUNTERBALANCE
TABLE

- Torsion spring
- 16" adjustment range from 27"-43"
- Cross brace mechanism
- Contour release handle
- L-shaped leg
- Exposed release cable

2014

LIVELLO
COUNTERBALANCE
TABLE

- Extension spring – compresses and stretches to consistently counter weight on the surface, creating a very smooth and stable motion
- 20" adjustment range from 29"-49" – accommodates more users
- Surface-mounted center channel mechanism – refines design and increases knee clearance
- Hand grip release handle – inspires greater user control and ease of adjustability
- T-shaped leg – slimmer three-stage leg reduces footprint and elevates aesthetic
- Release cable – secured and concealed

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livello

livello Designed to fit any person, task or space, Livello tables can be applied within the workstation and the private office, as well as in small meeting rooms, drop-down areas and open spaces where people work together or on their own. At the workstation, Livello tables create a sit-to-stand scenario that supports any posture or preferred workstyle. Mobile, flip-top meeting tables offer optional up/down adjustability to support seated or standing collaboration.

The Livello collection offers a clean and simple approach to wire management—a priority when height adjustability is available. The Livello wire management system eliminates the visual clutter of unmanaged wires and promotes safety by preventing the hazard of exposed loose wires.

Livello tables integrate seamlessly with panel-based environments, while the pleasing aesthetic correlates with a willingness to accept, use and adjust the table—and thus experience the full range of benefits Livello offers.

22"–48"

Understanding that all bodies are different in size and shape has led to a design directive of universal accommodation.

Teknion designs for the range, not the average.

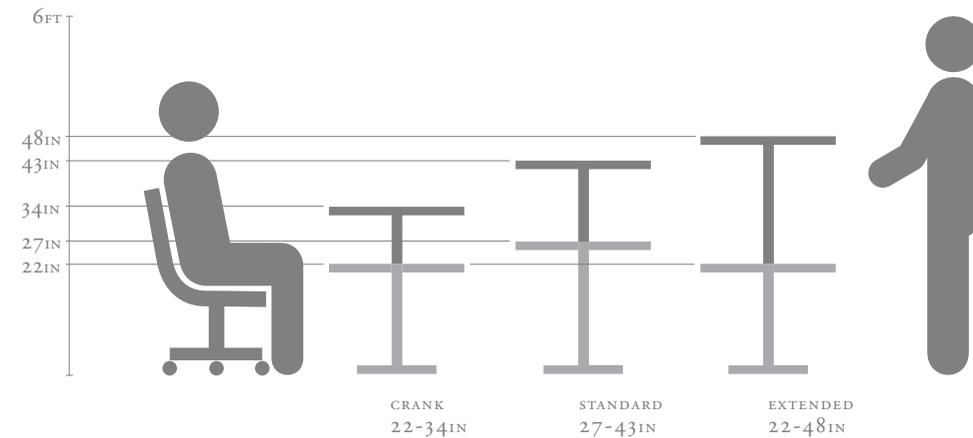
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a dramatic range of adjustability

EXTENDED RANGE ELECTRIC Provides an exceptional range of sit-to-stand height adjustability (22"–48"), which exceeds all North American standards for seated and standing resting elbow heights.

STANDARD RANGE ELECTRIC A range of 27"–43" provides an appropriate level of adjustability for most users.

TOP CRANK A range of 22"–34" exceeds all North American standards for using a keyboard in the seated posture.



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44

innovation Featuring a new proprietary counterbalance mechanism, the Livello Counterbalance table offers quick, easy sit-to-stand height adjustability and a refined aesthetic that allows integration with all Teknion furniture for a cohesive work environment.

The design of the Livello Counterbalance table is focused on a positive user experience, highlighted by the elimination of cross-bracing, which increases knee clearance to exceed current industry standards.

immediate adjustment The Livello Counterbalance table moves into position quickly and nearly effortlessly, adapting to a wide range of user anthropometrics and needs. Exceptional ease of adjustment encourages people to use the table to alternate between sitting and standing over the course of the workday.

The Livello Counterbalance table's unique adjustment mechanism consists of an extension spring to counteract the weight on the worksurface, and a series of linkages in each leg that work in concert to provide a consistent user experience independent of the weight supported by the table. As long as the table is balanced, the user applies the same amount of force to lift or lower the table.

45

our engineers have been continually refining this mechanism. virtually anyone can comfortably move the table from sit to stand and back without strain.

dannion smith, director ergonomic initiatives, teknon

EXTENSION SPRING



CHARGE ADJUSTER (A)



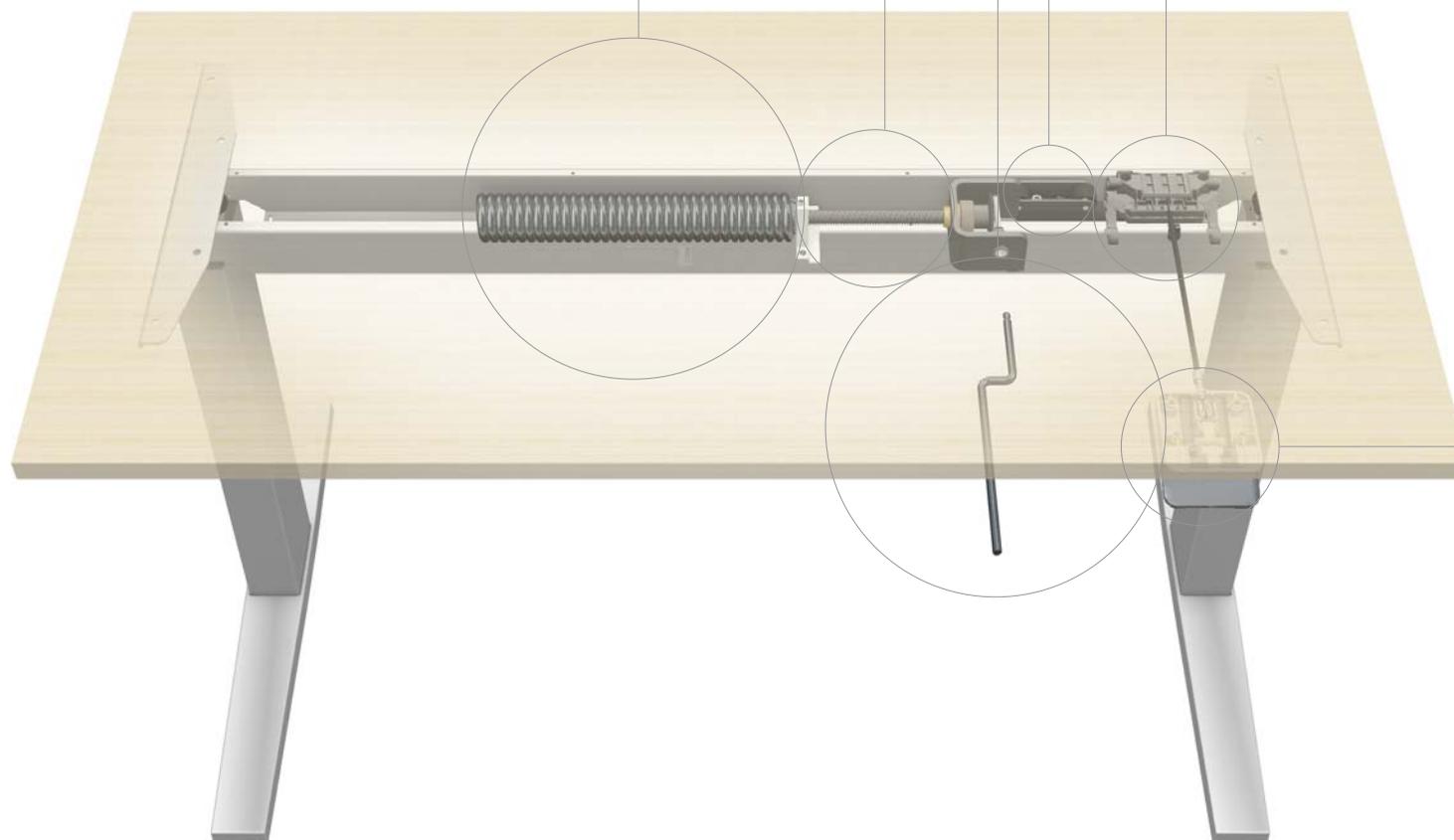
CHARGING HANDLE CHARGE ADJUSTER (B)



SAFETY LOCK



RELEASE PADDLE



positive user experience A positive user experience begins with the release handle, which allows the table to move up and down—and helps to position the user's body to easily lift and lower the table. While the user must do some of the work, the Livello Counterbalance table accommodates the ability of most users.

SPEED The Livello Counterbalance table adjusts from sit-to-stand in a matter of seconds. Speed of adjustment is completely controlled by the user.

SOUND A precision guide system allows each leg stage to move quietly and synchronously. Just enough sound is created to provide feedback to the user that motion is in progress and at what speed.

STABILITY Precision-engineered steel tubing gives Livello the ability to move a three-stage leg with maximum stability.

SAFETY A safety feature allows up or down adjustment only when the desktop/tabletop and its contents are properly counterbalanced. An indicator window assists the user in error-free balancing and adjustment.



HEIGHT ADJUSTMENT RANGE	29" – 49" (20" up/down) measured from the floor
LOAD BALANCING RANGE	Counterbalances up to 150 lbs including the weight of the worksurface
WORKSURFACE DIMENSIONS	Depth 24", 30" Width 48", 54", 60", 66", 72"
WORKSURFACE FINISHES	Foundation Laminate, Seamless, Flintwood, Natural Veneer
EDGE TRIM	Straight, Flat, Bullnose, Eased, Full Knife
BASE FINISHES	Foundation, Mica
WIRE MANAGEMENT	Optional e-Chain for flexible vertical wire management during sit/stand height adjustment
GROMMETS	Optional 2¾" square grommet in one of three locations (center, left, right)
STANDARDS	Meets ANSI/BIFMA X5.5-2014 and CAN/CGSB 44.227-2008

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CAN/US/INT 08-14

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Brochure Design: Vanderbyl Design
Printed in Canada. SB070025

