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MAKING THE WORKPLACE YOUR OWN

➤ Technology has transformed business. Work is now global, mobile, and more collaborative than ever. We move frequently, and work in different places throughout the day. As a result, the single, fixed desk is becoming obsolete.

To be truly effective, the workplace can no longer remain a static environment. It must be organic, capable of adapting at a moment's notice to different users and work styles. It should respond to the user at the touch of a finger, and provide support for working in every posture from sitting to standing,

LOGICDATA's innovative technology provides best in class adjustability and control for desks, tables, chairs and other workplace furniture. This encourages people to move, collaborate, and change postures during the day. It makes the workplace more comfortable and supportive—all major contributors to personal well-being. After all, no one benefits from sitting all day. Moving is essential. For our bodies and for our workplaces.



Our products are the result of over two decades of engineering and design excellence, combined with our mission to create a more human-centered, user-responsive workplace. This has inspired innovations you'll see in the pages that follow.

We offer product designers and manufacturers the freedom to create furniture that gives users personal control of adjustability and real time feedback to help them find optimal posture and position.

LOGICDATA technology makes furniture more adjustable and more useful for more types of work. As a result, fewer workspaces sit empty and unused, and real estate becomes a more productive asset.

I hope you enjoy our magazine as a brief introduction to the ways LOGICDATA makes environments more productive, comfortable, and healthier for everyone.

A handwritten signature in blue ink, appearing to read 'Walter Koch'.

Walter Koch
Founder and CEO

MOVING IS ESSENTIAL.
FOR OUR BODIES AND
FOR OUR WORKPLACES.



> PUTTING THE USER IN CHARGE

LOGIClink puts the user in control of comfort, support and ergonomics.

As an app-driven technology, LOGIClink provides coordinated control of height adjustable tables and seating, giving users the full ergonomic benefit of their furniture.

Using a small module on the underside of the worksurface, LOGIClink connects to the user's digital device, such as a smartphone or tablet, and automatically recognizes the individual. Integrated well-being software tracks user postures, posture times, and calories burned. It can also record and track the user's personal goals, and offer daily feedback on how they're progressing toward goals, a helpful incentive to maintain a healthy workstyle. Digital rewards can be earned and shared via social media.

LOGIClink connects via USB, active NFC, Bluetooth or Zigbee, providing data to an ergonomic coach in the Synthesis smart app.

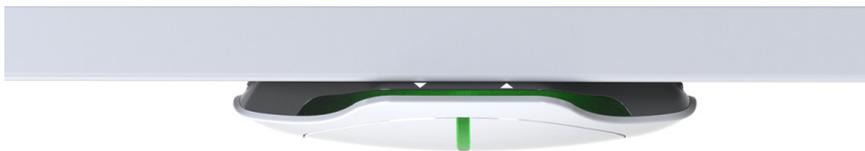
Connection via USB to a MAC or PC desktop or laptop is also available.



To help companies make the most effective use of shared workspaces, LOGIClink assists with scheduling workspaces, too. Companies can use the LOGIClink interface to develop their own facilities management app, and track usage of buildings, floors, rooms and tables, including viewing usage data in real time.

LOGIClink is also the central communication and control hub for CHAIRsense technology (pg 18, providing single-point command of lighting, window coverings, climate controls, and other aspects of the work environment.

The most effective use of adjustable furniture happens when users can easily adapt their workspace to their individual needs. LOGIClink helps users make the most of every move, every moment.





FEATURES

Thrust up to: 800 N per actuator
Diameter: 40 mm / 1.57"
Install dimension: 509 mm / 20.04"
Stroke: 664 mm / 26.14"
Constant Speed: 38 mm/s / 1.50"/s
(till full load)

- Very low noise level
- Dual stage legs
- Convertible function
(thick-end up/down)
- Up to 8 LOGICdrives in bench
applications (or synchronized)
- Integrated collision sensor
technology (optional)
- Duty Cycle: 2 min on / 18 min off



LOGICDRIVE – THE FIRST INTELLIGENT INLINE DRIVE UNIT

For over fifteen years, LOGICDATA has been designing intelligent electronics, ambitious software and in the last few years mechatronics, making better control boxes for electric height-adjustable tables. First better, then smaller and requiring less power and raw material and now, integrating it all together.

MAXIMUM FREEDOM IN DESIGN

LOGICdrive is the first actuator for height-adjustable tables where the control box is literally integrated into the drive component itself. The result is design freedom from having to figure out where to put the control box under the work-surface. All that is needed is one or more LOGICdrive actuators, a power supply, a connection cable, and a hand switch. LOGICdrive is also only 40 mm / 1.57" in diameter, lending itself to a wide variety of leg column aesthetics, each of which can be placed under a work-surface without the requirement of planning space for a control box.

SIMPLICITY AT ITS BEST

Simple is lean. And by lean we mean the elimination of waste while increasing capability. The LOGICdrive system is easier to design into a wide variety of desking and tabling configurations, as it requires fewer parts in inventory, less assembly time, and offers greater flexibility. It is a lean concept to the max.

FULLY INTEGRATED ISP

LOGICdrive's performance is enhanced by fully-integrated Intelligent System Protection (ISP) through a sensor that is directly built into the drive unit or through software-based ISP. This way obstacles can be detected immediately, providing a highly-optimized system protection.

HIGH EFFICIENCY BRUSHLESS TECHNOLOGY

By utilizing brushless DC technology, the LOGICdrive provides the highest levels of efficiency of a drive unit ever made for height-adjustable tables. Aside from high efficiency, the usage of brushless motor technology has the added benefit of a reduced possibility of mechanical wear.

> ULTRA LOW STAND-BY CONSUMPTION

Through a clever technical solution the LOGICdrive system is the only table system on the market that features 0.04 W stand-by power consumption. The new LOGICpower supply is yet another step for LOGICDATA to further reduce the ecological footprint.

DETACHABLE POWER PLUGS / CORDS

An absolutely great feature of the LOGICpower supply is the possibility of being plugged directly into a wall/floor-outlet. Alternatively it can be used in the classical way with a power cord. Regardless if used with a plug or a cord, both versions are detachable. This gives you the flexibility in the creation of your table system and allows for a state-of-the-art design.

HIGHLY OPTIMIZED SIZE

The LOGICpower supply has been dramatically optimized in its size to meet and exceed your expectations in terms of freedom of product design. Optimized size means less shipping cost, less raw material used and again a reduction of the ecological footprint.

HIGHLY EFFICIENT

The efficiency of LOGICpower is another very impressive feature of this next level power supply. One LOGICpower supply is enough to drive up to 3 actuators synchronized at 204 W output power. This results in a reduction of energy consumption of approximately 30%.



FEATURES

- 3 motors at 204 W output power
- 0.3 W or 0.005 W super low stand-by consumption
- Powers up to 3 LOGICdrives synchronized
- Powers up to 4 tables in bench application
- Detachable power cord / power plug
- Highly optimized size

HARDWARE OPTIONS

- 207 to 253 VAC 50/60 Hz version
- 90 to 127 VAC 50/60 Hz version

> BEST IN CLASS FOR BENCHING

Benching products seem to be taking over workstation design. For those looking to add adjustable-height capabilities to benching stations, this can be an issue. The clutter of control boxes and power cords can be enough to drive interior designers crazy. LOGICDATA listened.

LOGICpower is teaming up with LOGICdrive to create a simple solution to the clutter in benching, reducing complexity and environmental impact while supporting all of the functionality needed by the users. A single LOGICpower supply with a cleverly designed hop-on module that connects powers to multiple tables. Each table can then be individually controlled, as control capabilities are located in the individual LOGICdrive units.



> THE PERFECT SOLUTION FOR SINGLE STAGE LEGS

LOGICDATA is introducing SLIMdrive500 – the first inline actuator for single-stage legs that provides a 500 mm / 19.7" stroke to meet the DIN EN 527-1:2011 (Type D) standard.

With an installation dimension of 603 mm / 23.75" and a record-setting diameter of only 44 mm / 1.73", the SLIMdrive500 is another example of LOGICDATA's promise to provide a maximum of freedom in design to its customers. In addition, the convertible function of the SLIMdrive500 allows for "thick-end up" as well as "thick-end down" installation, which can mean fewer components to stock.

The speed of 38 mm / 1.5" per second – even under full load – is another impressive feature of the SLIMdrive500. The actuator offers a very low noise level and a thrust up to 700 N per actuator.

FEATURES

Thrust up to: 700 N per actuator
Diameter: 44 mm / 1.73"
Install dimension: 603 mm / 23.74"
Stroke: 500 mm / 19.69"
Constant Speed: 38 mm/s / 1.50"/s
(till full load)

- Very low noise level
- Single stage Legs
- Convertible function (thick-end up/down)
- Up to 12 SLIMdrive500 synchronized
- Duty Cycle: 2 min on / 18 min off
- Compatible with SMART & COMPACT control boxes
- automatic motor recognition in Combination with control box FW 1.10





BUILT FROM NEW EXPECTATIONS

Smaller space needs bigger thinking. The new SLIMdrive660s is the ideal solution for dual-stage legs. The measurements are impressive: a stroke of 664 mm / 26.14" at an installation dimension of only 509 mm / 20.04" paired with an industry leading diameter of only 40 mm / 1.57" leave nothing left to be desired. True freedom in design.

Like all LOGICDATA actuators, SLIMdrive660s features the great convertible function which allows for "thick-end up" as well as "thick-end down" installation, which can mean fewer components to stock. SLIMdrive660s meets the DIN EN 527-1:2011 standard and BIFMA G1-2013 requirements. The speed of 38 mm / 1.5" per second – even under full load – completes in combination with the very low noise level and a thrust up to 800 N per actuator complete the feature set. SLIMdrive660s – built from new expectations.

FEATURES

Thrust up to : 800 N per actuator
Diameter: 40 mm / 1.57"
Install dimension: 509 mm / 20.04"
Stroke: 664 mm / 26.14"
Constant Speed: 38 mm/s / 1.50"/s
(till full load)

- Very low noise level
- Dual stage legs
- Convertible function (thick-end up/down)
- Up to 12 SLIMdrive660s synchronized
- Integrated collision sensor technology (optional)
- Duty Cycle: 2 min on / 18 min off
- Compatible with SMART & COMPACT control boxes
- automatic motor recognition in Combination with control box FW 1.10







SYNTHESIS

Human-centered work environments



What if the office is automatically adjusted in concert with the user?

Can we design workplaces from a macroergonomic perspective to provide more fulfilling individual experiences?

How can we provide a work experience that's both more sustainable and more enriching for every user?

These are some of the issues we're addressing with Synthesis, LOGICDATA's vision of a fully integrated workplace. Our work is bolstered by visionaries in ergonomics, design, technology, manufacturing, and human factors, and we're looking for others to join us.

We're introducing new technologies that demonstrate the direction we believe Synthesis can take the work environment. For example, LOGIClink technology coordinates the adjustment of both chair and worksurface, the first intelligent control system of its kind.

CHAIRsense uses sensors to provide real time feedback on posture, adjustment and proper ergonomics, giving the user more helpful data and direction than ever before, to provide precise comfort and support. We're developing new products that push the boundaries of sustainability, provide greater user control, and help furniture manufacturers and designers create a more human-centered work environment.

Synthesis is about movement, personal preference, individual control, sustainable results.

We believe we can have the greatest impact with this vision at the heart of our efforts. Join the conversation, give us your feedback, critique our thinking. Let's build human-centered work environments together.

Stefan Kieler
VP LOGICDATA North America

SYNTHESIS

SYNTHESIS - a visionary approach to an integrated office solution

> For thirty years, the office furniture industry has placed more focus on the marketing angles of “ergonomics in a box” than on the systematic application of the science. Ergonomic features have been designed into a host of products, but with suboptimal consequence for the user. The focus on microergonomic principles without a science-based macroergonomics context has been both widespread and widely-accepted. Discrete stand-alone products like “ergonomic seating” and sit-to-stand tables (micro-based products) are marketed as ergonomic solutions.

The Term “system” is used twice in the Definition on the opposing page. Ergonomics is a “weakest link” model, where the success of the overall design is to some degree dependent upon the quality of the integration of components in the design model. Simply put, pair an ergonomic chair with a fixed-height desk, and its performance is compromised. Applying macroergonomic

principles helps us vision an environment where every aspect is designed and organized to complement the user, their technology, and the work being performed. One that has an integrated design that works with, and in support of, its human user.

TWO KEY ELEMENTS HAVE BEEN MISSING FROM REALIZING THIS CHALLENGE:

- The technical solutions
- The vision of an integrated (macroergonomic) solution

Perhaps, it is time for the industry’s view of ergonomics to mature. Synthesis by LOGICDATA leverages mechatronic capability to provide these missing elements. Synthesis offers an integrated macro-level vision of ergonomic office spaces designed for office-based workers. Truly human-centered design. Come and join the discussion.

>> Ergonomics is more than a product in a box. It can be seen as part of a foundation of technology and human-centered design that helps office-based workers gain control over their health and well-being. That is what drives of engineering innovation.<<

Walter Koch – Founder and CEO



CHAIRsense

MEET YOUR PERSONAL ERGONOMIST

The sad fact is most users don't know how to adjust their seating properly or don't take the time. The controls may be poorly labelled, the user believes it's too complicated or they don't realize the benefits of a precisely adjusted chair.

CHAIRsense makes adjusting your chair as simple as checking email.

By integrating state of the art sensors inside the chair, a data-collecting control box, and sophisticated software and firmware, CHAIRsense shows the user, via their digital device, how to adjust their furniture for optimum comfort and support.

CHAIRsense also provides feedback on posture and sitting behaviors, and clear suggestions to help every user find a comfortable and healthy posture. It shows them how to adjust seat height, arm height, lumbar support—all of the adjustment features of their particular chair.



Users are more comfortable, better supported, and more likely to experience greater well-being.

CHAIRsense communicates with LOGIClink and sends information to a smart app, which can be accessed via smartphone, tablet, laptop or desktop. In addition, CHAIRsense provides organizations with chair usage data that helps make the most of valuable furniture assets.





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