

Ergonomics.

**Functionality.**

Design.

Innovative  
**workstation systems**

KARL original.



# We think **constructively.**

The courage to come up with innovative ideas and the know-how to implement them is firmly rooted at KARL. For more than 50 years, KARL has been manufacturing technical workplace systems and factory equipment in the „Made in Germany“ category. Founded in 1935 as a craft business, KARL is now the leading company in Europe Specialist for ESD-compatible workplace and logistics systems.

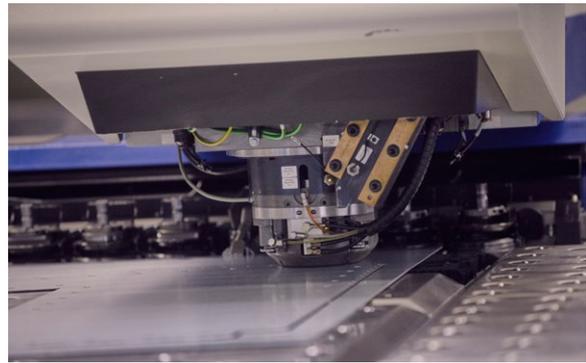
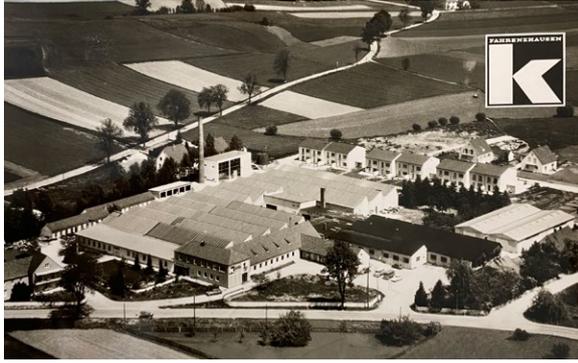
Highest quality standards, first-class processing, convincing possible combinations and economical solutions for workplace design have ensured that KARL branded products have enjoyed high recognition among our customers for decades and are the key to our success. Each KARL product has its own character and is characterized by ideal ergonomics, sophisticated functionality and timeless design.

During product development, we always keep an eye on the users in production, assembly, laboratory, shipping and logistics or the development department.

They should feel comfortable at their workplace and design it in such a way that it meets their ergonomic needs and offers ideal conditions for the workflow.

We attach great importance to customer proximity. For us, service and advice are important aspects of cooperation in order to find customer-oriented, constructive and technically highly functional solutions for our products for specific requirements and to continuously promote technological advances.





# Progress is continued tradition.

With our 170 qualified employees, we already think about important details during product development and material-specific construction and consistently implement ergonomic aspects.

Thanks to the greatest craftsmanship and modern production technology, highly functional workplace systems with almost unlimited design options are created, suitable for any use in a technical environment.

In our company, which is managed by the third generation of the KARL family, in addition to continuous innovation and technological development, closeness to tradition, customers and employees is of great importance.

Craftsman-technical know-how creates well thought-out, practical and perfect solutions, the cordial contact with our customers is the basis of trusting business relationships.

With this philosophy, KARL has become a European widely successful manufacturer of technical workplaces, factory equipment and transfer systems.

The workplace system  
**for supreme**  
expectations.



# QUADRO.

QUADRO is much more than a table. As a premium product from KARL, QUADRO combines high-quality workmanship, excellent functionality and sophisticated ergonomics into an innovative work space system.

QUADRO is flexible in planning, timeless in design and dynamic in use. Whether it's a single table, a corner table combination or a row of tables, the C-leg frame ensures optimal legroom, the modular concept with extensive variation options guarantees long-lasting use and the greatest possible freedom of action for productivity and working comfort.

QUADRO is inspired by practice down to the last detail and ideally implements the most diverse requirements from the areas of assembly, laboratory, research and development, test field and IT.

Tasteful color accents, the concise column profile and rounded edges are visually appealing quality features and emphasize the high quality of QUADRO.



Classic shape.  
**Innovative**  
functions.



# QUADRO twin.

Whether for the laboratory, research or test field, but also in production and assembly - as a variation of the classic QUADRO, QUADRO twin offers a wide range of applications with functional equipment in proven KARL quality.

Sophisticated design details and many functional Optional extras allow maximum design freedom.

Equipped with all important functionalities, forms this work table with a classic 4-leg frame an ideal base for an efficient workspace.

The functional basic table quickly becomes a comfortable all-round talent with additions from the extensive range of accessories, which with straight linear design, light gray basic color and colored design elements radiates timeless modernity.



Individually.  
**Functional.**  
Efficient.



# Sintro.

Versatility and functionality characterize the SINTRO workstation system. With its countless possible combinations, SINTRO offers the right solution for every requirement at the assembly workplace. As always, KARL focuses on ergonomics.

Equipped with stepless height adjustment, either manually or with an electric motor, SINTRO is also ideally suited for working alternately while standing or sitting.

With an extensive range of accessories, SINTRO simplifies work processes and material flow, optimizes reach distances and relieves the user with changing loads through an ergonomically mature workplace design.

Swiveling attachments mean that tools and materials are always within easy reach. The shelves, which are infinitely adjustable, whether they can be fixed horizontally or at a 15° angle, provide additional storage space.

Computer workstation solutions using swiveling monitor mounts are also available. The sophisticated cable management makes the power supply invisible and prevents accidents. An integrated power supply, optimized lighting concepts or mobile containers complete the SINTRO portfolio.



More.  
**Efficiency.**  
Packing.



# Sintro Packing.



KARL workstation systems have been tried and tested in industry for decades. Customers from a wide variety of industries appreciate the ergonomic design, the longevity and flexibility as well as the sophisticated technology and media integration. World market leaders and medium-sized companies trust in the extensive experience of the family company Andreas KARL GmbH & Co. KG from Fahrenzhausen near Munich.

The new workstation system for dispatch and logistics takes up all these advantages seamlessly - designed with the most modern ergonomic properties and, if required, in an ESD-compliant design.

The system supplements value chains in a simple and uncomplicated manner. What is produced on a KARL table is also packaged and shipped there. So everything comes from a single source. This is efficient and sustainably increases the productivity of your company.

Based on the SINTRO workstation system, the new packing tables from KARL can be flexibly adapted to all individual needs. The optional ESD protection also offers manufacturers of highly sensitive electronic assemblies reliable production conditions.

Trust the usual quality features of KARL: modularity, flexibility and stability.

Economically.  
**Stable.**  
Versatile.



# BASIC.

Modular design, flexibility and a consistent price-performance - the BASIC worktable system is characterised by modular design, flexibility and a consistent price-performance ratio. Characteristic for the clear and simple design of BASIC is the stable table frame made of square steel tubing. BASIC can be used universally and offers all the options of a

modern workplace. The BASIC range impresses with a wide variety of modular equipment and accessory components. 19" table superstructures for the integration of measuring and testing technology at the laboratory workstation are just as much a part of it as table add-on elements for use in production and assembly.



The  
**flexible**  
material feed.



# FIFO-shelves.

Shelving for the FIFO principle (first in - first out), what is fed in first is also taken out first.

Containers move independently from the loading side to the unloading position via inclined shelves, optionally supplemented with dividers and roller tracks. Provision of materials and value-added assembly are separated from each other, mutual disturbances are avoided. The waste-free design of the workplace and a reduction in picking routes result in considerable time savings.

Use existing rooms optimally and space-saving. Productivity is significantly increased according to the principles of lean production, the systematic production organization.

Batches and production series can be optimally monitored, the risk of errors is reduced through clear and compact material presentation. A matter of course at KARL: An ESD-compliant design of the FIFO racks according to IEC 61340-5-1.

Material provision according to the FIFO principle. Tailored to the requirements of lean production. Stable steel construction with high resilience. FIFO shelves can be attached at variable heights, depths and angles.

Dividers and roller tracks can be added quickly and flexibly. Ideal dimensions for the use of grab trays and Euronorm containers. Thanks to the modular system, quick conversion, maximum flexibility and a wide range of expansion options.



For  
**optimal**  
production processes.



## Transfer systems.

KARL transfer and logistics systems are used for transport, assembly and picking. Regardless of the production strategy, the modular system offers the best conditions for an optimal material flow.

The range of applications extends from linear transfer lines between individual workstations to branched transfer systems with levels one above the other for manual or automated production processes.

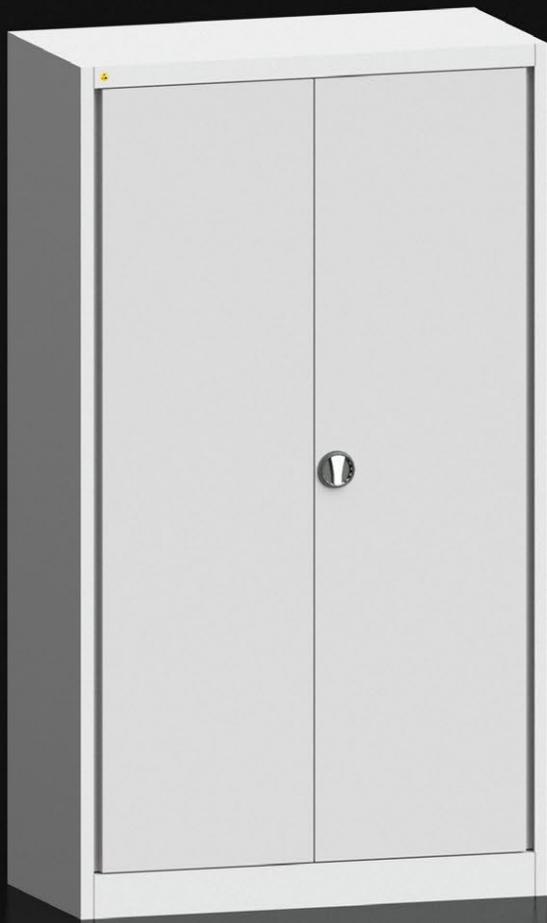
The transfer systems are easy to assemble, reliable and low-maintenance. The modular design offers the greatest possible flexibility and a wide range of expansion options.

In combination with the SINTRO or QUADRO work table systems, a unit is created that is convincing in terms of conception and design, in which all system components come from a single source and are optimally coordinated with one another.



Transfer routes with ejection and workpiece carrier return, ergonomically designed work tables with buffered material supply, flow racks and transport trolleys - all components are consistently geared to practical requirements and form a convincing unit for an effective production procedure.

Robust.  
**Stable.**  
Versatile.



# Cupboard and shelving systems.

KARL cupboard and shelving systems combine a robust construction with a discreet appearance. The first-class craftsman-made systems made of steel or wood are equally suitable for technical work areas and offices.

The cupboards and shelves are characterized by numerous possible combinations and meet the highest quality standards.

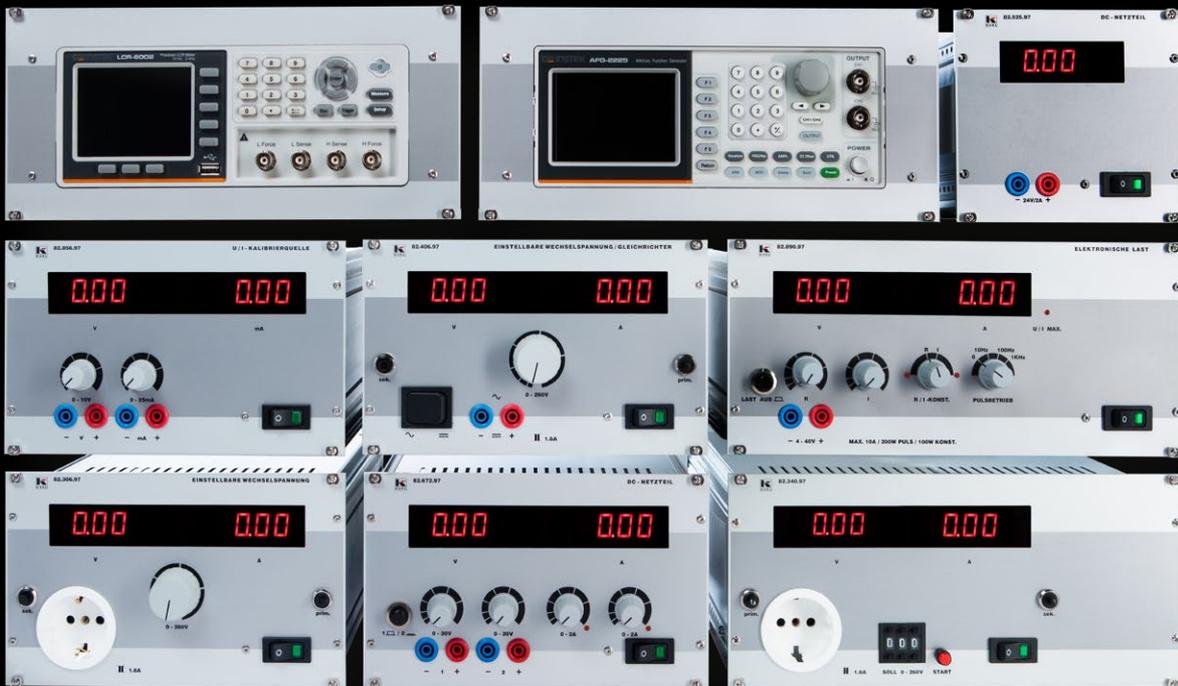
Due to the large variety of types with different door shapes and variable shelves, everything can be neatly stored in KARL cupboard and shelving systems - from files to tools.

Light, light-grey material and the clear, reserved shape blend harmoniously into the work environment and form a visual and functional unit in connection with KARL workstation systems.

ESD-compliant construction:  
as standard according to  
IEC 61340-5-1



Precise.  
Clear.  
Compact.



# Measuring and testing technology.

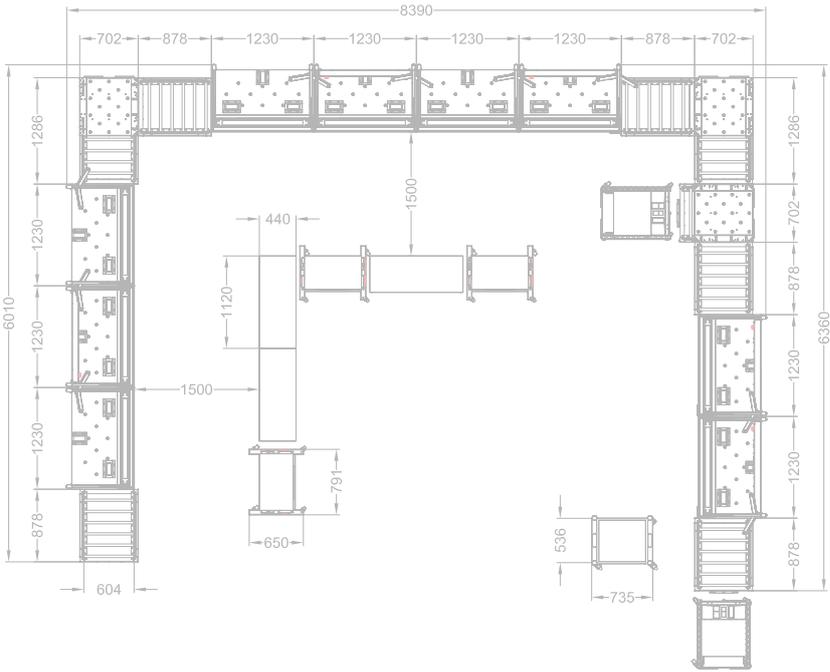
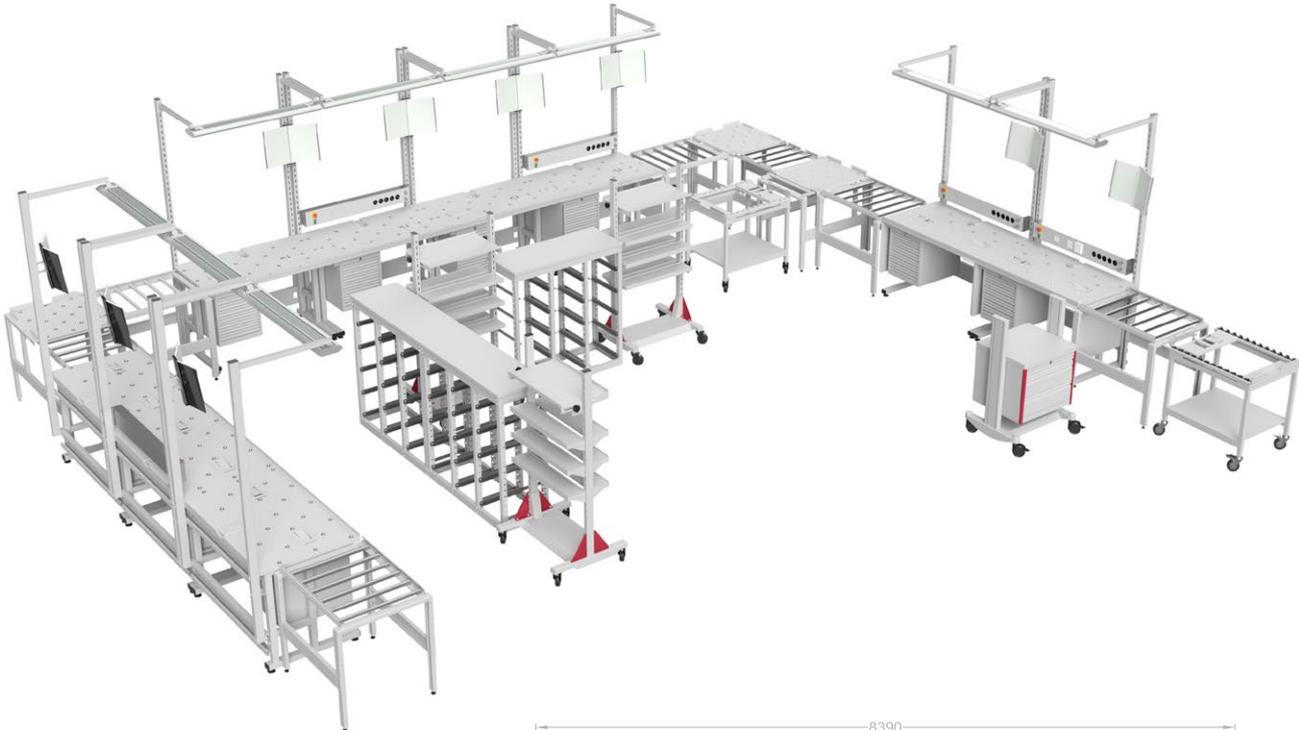
KARL offers competent solutions for integrated measurement and testing technology, for example in the laboratory or test field. The focus is on functionality and flexibility. By consistently adhering to the 19" system according to IEC 297, the function modules and built-in components can be configured and positioned according to customer requirements. In combination with the QUADRO, QUADRO twin or BASIC product lines, measuring and testing technology can be optimally integrated at the workplace and offers the user the right overview at all times.

Safety and comfort come first in the design of the front panel and the uniform arrangement of the controls.

Stable mechanics, solid materials and high-quality details such as the abrasion-resistant lettering on the front panels guarantee a long service life and high value retention.



# Functionality **custom made.**



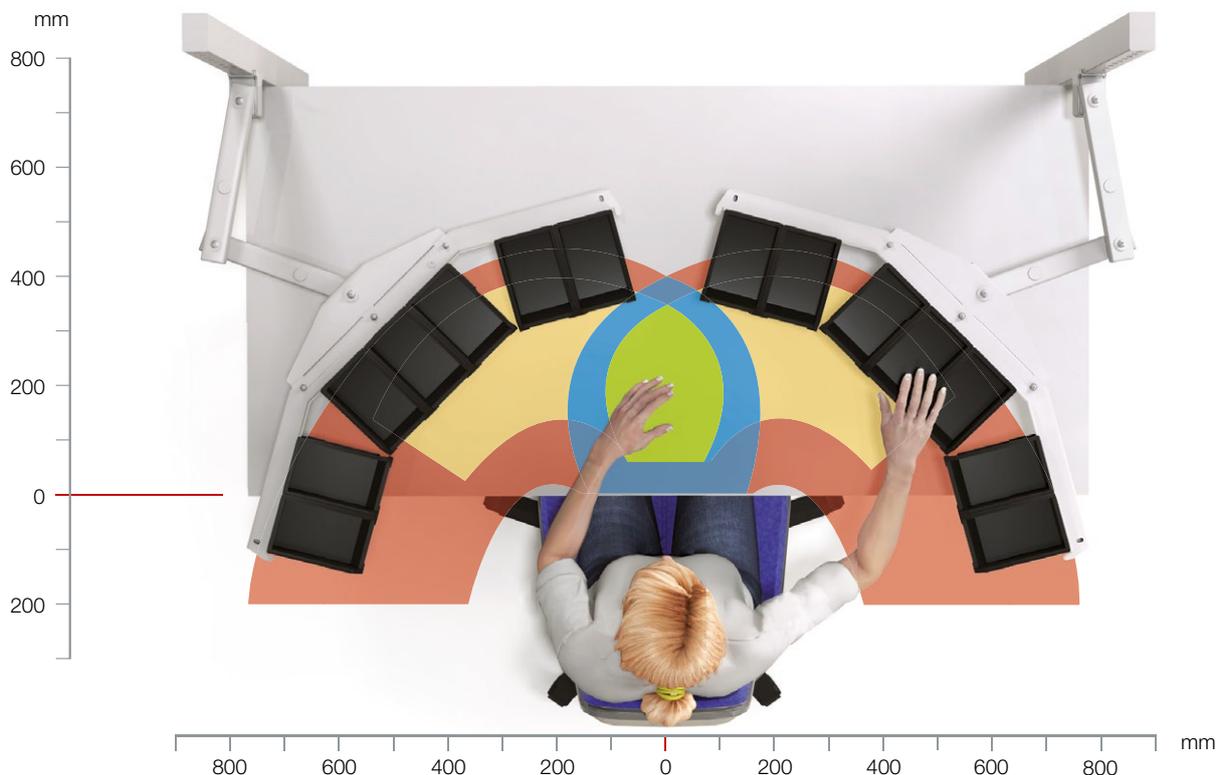
# Planning and service.

We see ourselves as a system supplier for modern workplace design. Optimum solutions require a precise analysis of the processes. For KARL, the intensive cooperation and the qualified dialogue with our customers is the basis for a tailor-made solution proposal for your task.

We take into account process-oriented requirements and the spatial conditions as well as the individual needs of the individual employee.

We would be happy to visualize functionality, ergonomics, handling and implementation of the spatial specifications in a three-dimensional layout.

At KARL, the customer order is not yet complete with qualified advice and production. KARL assembly teams complete the service on request. We set up all systems for you on time and support you during commissioning.



<p><b>Zone 1:</b> work center</p> <p>Both hands work close together - mounting location</p>	<p><b>Zone 2:</b> Advanced work center</p> <p>Both hands reach all points in this zone</p>	<p><b>Zone 3:</b> One-hand zone</p> <p>For storing parts and tools that are often grabbed with one hand</p>	<p><b>Zone 4:</b> Extended one-hand zone</p> <p>Outermost zone that can still be used, for example for grab containers</p>
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Know-how  
**in shape**  
brought.

# Competence.

From laser cutting to powder coating, the specialists at KARL bring steel and stainless steel into the right shape. Our technical know-how and our extraordinarily high vertical range of manufacture are therefore also valued outside of our core competence „workplace systems“.

For example, for support devices in medical technology or for representative, design-oriented facilities made of stainless steel.

Together with our system partner Albatross Projects, KARL is the world's leading manufacturer of shielded halls for EMC system technology. Almost all automobile manufacturers test the electromagnetic compatibility of their vehicles in shielded cabins designed, produced and assembled by KARL.



# Individual solutions for exceptional customers.

Whether mobile phone production or medical technology, the electronics industry or mechanical engineering, aerospace technology, vehicle production or research institutes - essential processes in well-known companies or scientific institutions are implemented on workstation systems from KARL.

Many successful and highly specialized companies have been relying on KARL for decades. Quality arrives and impresses in the long run.

The high level of satisfaction of our customers is also reflected in consistently positive supplier ratings and confirms that we are on the right track with our claim to quality, reliability and customer orientation. That's why every compliment is always an incentive for us not to let up in our efforts.

**BMW  
GROUP**

**SIEMENS**

**OSRAM**

**PHILIPS**

**KIT**  
Karlsruher Institut für Technologie

Austrian 

 **Lufthansa  
Technik**



**FUJITSU**

  
Ernst-Abbe-  
Fachhochschule Jena

 **SENNHEISER**

 **HARMAN/BECKER**  
AUTOMOTIVE SYSTEMS

**HÖHNER** 

**Mahr**

**HTL**  
Braunau 

**TRUMPF**



Waldmann 

  
Deutsches  
Forschungszentrum  
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