

## ESD workplace

Effective protection of sensitive components from electrostatic discharge

**KRIEG** | **WORKFLEX** |  
Healthy workplaces for more profitability



## Assembly Station

Automated worker guidance and real-time inventory recording directly at the assembly workstation



### The benefits



- Conductive worktable system – The safe solution for all work with sensitive components
- Coordinated, conductive components for optimum product safety
- Assembly Station for fast provision of small parts in the assembly
- With pick-by-light and inventory recording in real time
- Work faster and be more productive thanks to WORKFLEX work instruction app
- Ergonomic height adjustment

Made in Germany by  
**KRIEG**

**10** years warranty

## Ergonomic ESD workplace

# MULTIPLAN

The MULTIPLAN ESD work place ensures greater safety when processing of electrostatically sensitive components. In conjunction with the Assembly Station, an automated worker guidance system, the materials can be reached more quickly and the error rate is minimised. In addition, a real-time inventory recording is made

possible by weight control. With the help of digital work instructions and the pick-by-light system, the employees are guided correctly and efficiently through the assembly process. Through the use of WORKFLEX ESD work tables in conjunction with personal earthing safe handling of electrostatically sensitive components is possible.



Request free consultation: [beratung@workflex.de](mailto:beratung@workflex.de)

# Ergonomic ESD workplace MULTIPLAN

Safe handling of your electrostatically sensitive components.  
With Assembly Station - Automated Material Supply with weight control and optical signal



## ESD version

High-quality ESD-conductive powder coating for the targeted dissipation of voltages via the lacquer layer.

## WORKFLEX® Work instructions

Simple and fast operation of the WORKFLEX work instruction app via LED touchscreen

Flexible LED articulated arm magnifier lamp for precision and inspection work

## Tool-free assembly and conversion of the accessories

Depth-adjustable shelves for e.g. storage bins.

Depth, height and angle-adjustable shelves for the provision of tools or components.

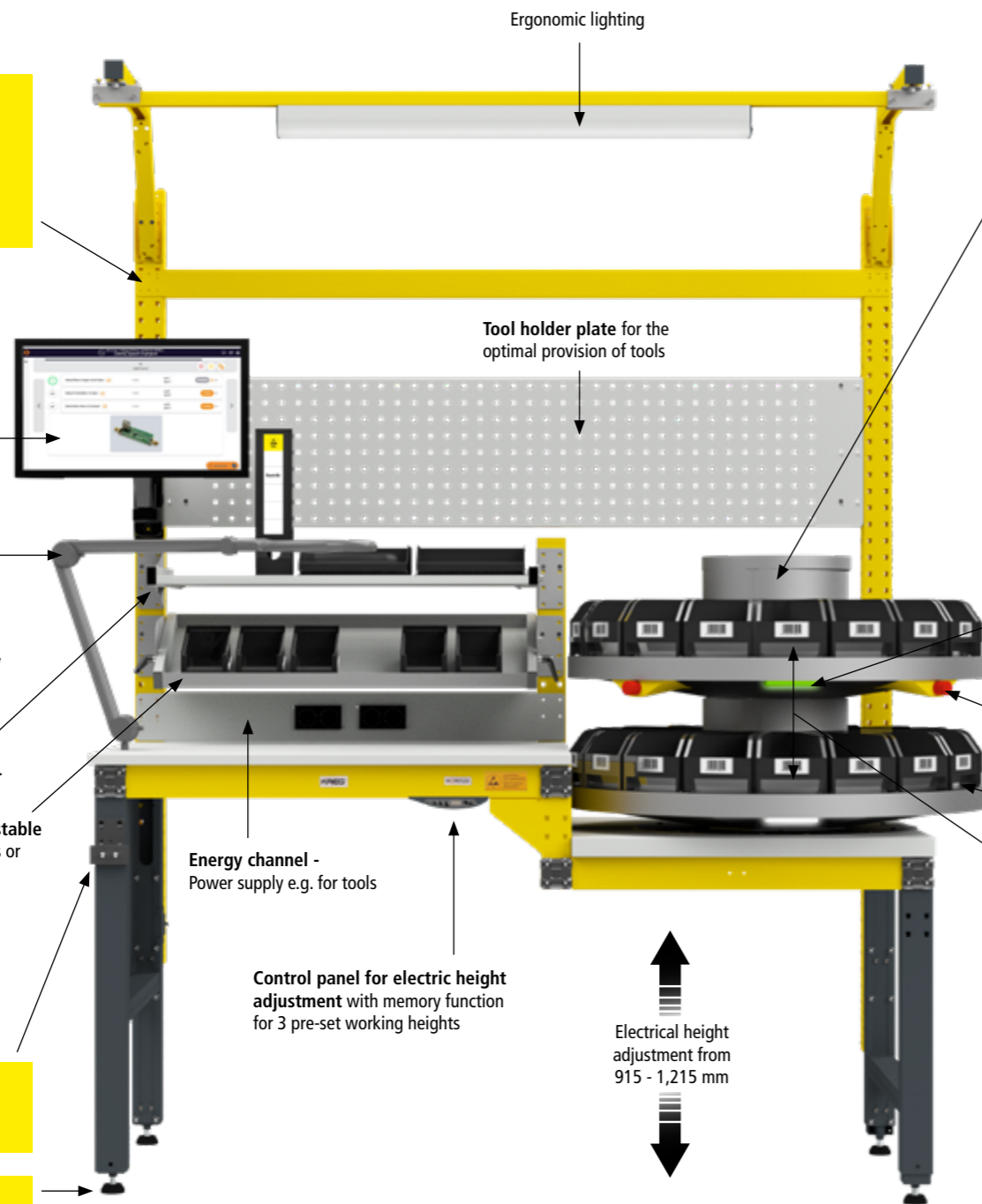
Earthing point for the personal earthing

ESD-conductive rubber feet for stable support incl. 10 mm floor compensation.

Further information:  
[www.workflex.de/messe-esd-arbeitsplatz](http://www.workflex.de/messe-esd-arbeitsplatz)



CONSULTING: +49 (0)7033 - 909 46 81



Ergonomic lighting

Tool holder plate for the optimal provision of tools

Energy channel - Power supply e.g. for tools

Control panel for electric height adjustment with memory function for 3 pre-set working heights

Electrical height adjustment from 915 - 1,215 mm

## Assembly Station ESD

The assembly station can be equipped with up to four wheels. Up to 18 items can be accommodated per wheel. The wheels are modular so that further levels can be added as required.

- ESD-conductive automated material supply for small components
- A weight control records the stock in real time
- A visual signal shows the correct box for quick removal

## Technical specifications:

Weight:	40 kg/wheel
Weight/wheel:	max. 100 kg
Provisioning volume:	18 boxes à 1 litre or 9 boxes à 3.6 litres (max. 5 kg/box)
Scale:	0,4 gram exactly

## Pick-by-Light

Easy picking process, in that instead of documents, the employee is shown the article to be picked by means of a light element on the the removal tray. The work instruction on the screen shows the removal quantity.

Emergency button for switching off

## Pick-by-Weight

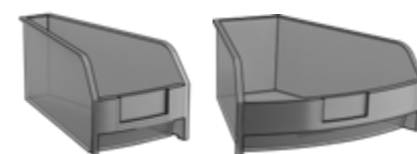
Monitoring of removed components and their number by weight control.

## Pick-by-Access

By driving forward the selected box, mistakes are prevented.

## Two different types of boxes

- Box M with one litre pouring capacity
- Box 2M with 3.6 litre pouring capacity for larger parts and quantities



## The benefits: ESD workplace

- Electrically height-adjustable ESD work table for individual ergonomic adjustments to the employee
- Creation of an EPA zone through coordinated ESD components and suitable personal earthing
- Protection of components against electrostatic discharge through special ESD coating
- ESD labelling for the safe handling of electrostatically sensitive components

E-Mail: [beratung@workflex.de](mailto:beratung@workflex.de)

[www.workflex.de](http://www.workflex.de)

## Assembly Station and WORKFLEX® Work instructions App

The Assembly Station and the WORKFLEX work instruction app are perfectly coordinated to guide the employee step by step through the assembly process. With the help of real-time inventory recording, you also ensure more security of supply. In the WORKFLEX app, you can quickly and easily define minimum stock levels and set notifications as soon as these levels are undershot.

The Assembly Station automatically moves the correct article forward for the respective work step and visually indicates the place with the illuminated button. After the correct number of items has been removed, the work step is automatically confirmed and the next step is initiated. With the help of the WORKFLEX app, complete assembly and picking assembly sequences can be created.

## The benefits: Assembly Station

- **Higher quality:** Automated worker guidance with interactive work instruction app and dashboard.
- **Time saving:** quickly introduce new workers and assembly instructions.
- **Space optimisation:** Compact order in a small space. Up to 18 boxes on one level.
- **Security of supply:** Real-time inventory recording through an integrated scale.
- **Flexibility:** Whether 2 or 4 levels. Scale the Assembly Station according to your requirements.

## Workflows with the WORKFLEX® web app

### Fully-digital portal for creating, managing and implementing work instructions

Work instructions can be generated, managed and implemented with the aid of the web app. Work instructions can be fully customised, and can be modified, supplemented and accessed at any time. The worker is guided step-by-step through the process, aided by text information, images and videos. The simple and user-friendly interface means that even people with no programming experience can enter new workflows.

### Functions

- Standardising the creation, management and implementation of work instructions
- Simple integration of a documentation function
- Capture of data across the workflow
- Analysis of processes for greater optimisation potential
- Hardware available for enhanced support



### Work instruction view in the web app



## The benefits: Web-App

- No programming experience necessary
- Simple generation of work instructions
- Less time needed to train new employees
- Increase in productivity, reduction of error rates
- Reduced time and effort for work preparation
- Support through media data such as images and videos

Further information online:



[www.workflex.de/arbeitsanweisung-workflex](http://www.workflex.de/arbeitsanweisung-workflex)



# ESD protection

## ESD workplaces ergonomically designed Conductive - Flexible - Ergonomic

As a manufacturer with many years of experience in the ESD sector, we attach special value on high-quality workstations. In the ESD area, such as electronics manufacturing and semiconductor processing, it is important to protect the components from electrical discharges. Therefore our work tables have an antistatic coating. The voltage is discharged via a grounding cable. In addition, we can offer you sufficient accessory components with ESD protection.

### YOUR BENEFITS

- ✓ Protection of sensitive components
- ✓ Avoidance of charges
- ✓ Prevention of invisible damage inside the components
- ✓ More quality assurance



## Your partner for ESD workplaces in the company



More about the ESD topic at:  
[www.workflex.de/esd-schutz](http://www.workflex.de/esd-schutz)



## WE ARE MANUFACTURER

WHY NOT BENEFIT FROM OUR SPECIALIST KNOWLEDGE?

- + LARGE PRODUCTION SELECTION
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- + 10 YEAR MANUFACTURER'S WARRANTY
- + INDIVIDUAL CUSTOM-MADE SOLUTIONS

## WHY NOT CALL US TODAY?

Competent advice on site

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INNOVATION AWARD FOR  
ERGONOMICS 2023

Already awarded in 2021