

item

Press-information

Released for publication

© item Industrietechnik und Maschinenbau GmbH
Friedenstrasse 107-109 D-42699 Solingen
Tel.: +49/ 212/ 65 80 300 Fax: +49/ 212/ 65 80 310
✉ info@item-international.com
<http://www.item.info>

Date of last save: Solingen, 07.09.2009
Number of pages: 2
Number of words: 618
Number of characters: 4.086

Pressekontakt: Nicole Grewer
Tel.: +49/ 212/ 65 80 322
✉ n.grewer@item-international.com

Workplace design using the item MB Building Kit System

The well-known item MB Building Kit is a modular system that has been tried and tested over years for building machinery, jigs and automated handling equipment. It is, however, equally effective when applied to the ergonomic design of workplaces in production areas or in office environments, where it demonstrates its ability to fit in well with these requirements.

The numerous versatile basic elements that are used to make up racks, frames, and housings have been used since the introduction of the MB Building Kit System for building work benches of all types. As the System was developed, new components were added that had been specifically designed to meet the needs of planners in creating workplaces. All these components are compatible with the basic elements of the System, which enables the workplaces to be fully integrated in production lines constructed from the item Building Kit System. This integration capability can be exploited to interlink workplaces to produce complete production lines.

The work bench made of basic elements mentioned above is just the beginning of a whole series of bench and table constructions that can be individually adapted to suit the exact requirements of the operation and the resulting workplace design. From integrated height adjustable knuckle feet through individually adjustable function planes to complex component-fitting work areas constructed to suit the workpieces, the components delivered to the work area and, of course, the needs of the operators.

As one would expect, the commissioning trolleys, designed to fit the workpieces being processed and adapted to fit the correct ergonomic working height, are also made from the MB Building Kit System. The fastening elements permit the individual sections to be adjusted, adapted and arranged flexibly to suit changing requirements from one shift to the next or for a change in production.

Flexibility is also the key with a completely new System Element that has recently been added to the MB Building Kit System for workplace design. The 55W Lamp is mounted on an integrated swivel that enables it to be swivelled through 22.5° each way from its horizontal position. This enables the Operator to optimally adjust the lighting at his workbench, machine or workplace fitment to suit his needs and the angle of vision. This non-flickering light source is directed at the work surface through an anti-dazzle parabolic mirror reflector. As an optional extra, there is an impact resistant polycarbonate disk to protect the lamp bulb and parabolic mirror reflector against damage and dirt. Due to the standard groove system of the item MB System, the 55W Lamp is fully integrated into the Building Kit and can be positioned at will.



item Lamp 55W
(Name of graphical metafile: Leuchte55-4c.tif)

The item Building Kit System offers the planner maximum freedom in the design and construction of efficient workplaces. The interface between the Operative and the production facilities can be individually constructed on ergonomic principles. The Building Kit System contains all the necessary components to ensure that health and safety at work regulations are adhered to, for example by means of suitable enclosures and guard systems.

The basic philosophy behind the System, i.e. that all components must match all other components and be joined using a standardised fastening system, applies equally well to these special elements. Adherence to uniform principles of design guarantees noticeably easier workplace planning.