



**MINITEC
SMARTASSIST**

Worker assistance system



Your new helpers are ready to go!

Particularly with multi-variant production, companies are increasingly faced with the task, how to quickly train their employees in the respective assembly activities and support them during their work. Similar challenges exist in picking in warehouses and shipping. **MiniTec SmartAssist** now opens up completely new possibilities for interactive worker guidance.

The assistance system ensures faster learning of processes and individual support during work. The solution consists of two central components. The actual support of the worker takes place in **MiniTec SmartPlayer**, while the corresponding instructions are created in MiniTec SmartEdi. The system thus consists of Player and Editor, Buddy and Edi. Only the interaction of the two parts results in the special advantages.

With decisive advantages:

- Higher productivity, fewer interruptions at work
- Improved quality due to reduced error rate
- Employees with lower qualifications or seasonal workers can be included in production easily and quickly
- Higher motivation at work, promotion of personal responsibility
- Reduction of mental stress and absenteeism due to illness
- Training time for new employees is significantly reduced
- Easy duplication of knowledge as well as uncomplicated creation of variants
- Preservation of knowledge as a valuable basis for personnel changes

MiniTec SmartPlayer

MiniTec SmartEdi

I am Buddy ...



***... and I
am Edi!***



MiniTec SmartPlayer

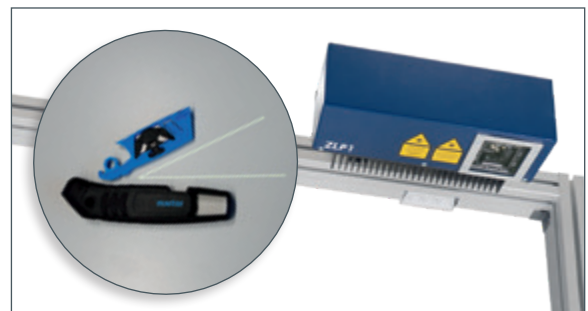
Work more efficiently thanks to individual support

MiniTec SmartPlayer provides the following modules for individual process support and interaction:

- Touch display
- Pick-To-Light-Lightbars
- Hand-/foot switch
- Laser projection
- Hand scanner

Which ones make sense for the respective application depends on the individual circumstances: How complex is the assembly or picking process? What technical and language requirements do the employees fulfill? Are there handicaps with regard to motor skills and mobility? Are different tools used? Many other factors can play a role here.

Of course, we will advise you on the selection of suitable assistance modules as part of your project. In the future, their scope will always be supplemented by further useful components and features. Only the wishes and requirements of the customer are decisive here.



 To the video
MiniTec SmartPlayer



Touchdisplay

- The touch display shows the worker the interactive instructions created in the editor. Various aids (texts, arrows, images, etc.) are used for the individual work steps.
- The worker can confirm completed work steps via buttons and buttons directly by touching the display and proceed to the next step.



Laser projection

- Laser projection allows objects to be highlighted in the course of the work steps. Marks can be projected onto the work surface, components can be highlighted or objects can be marked off the work surface..
- For the laser projection, the editor offers a wide range of shapes shapes, e.g. rectangles, arrows, circles, and many more.
- A polygon consisting of four freely adjustable angles can even be used to compensate for distortions in obliquely illuminated surfaces



Pick-To-Light

- Pick-To-Light light bars signal to the worker which compartment to reach into next.
- With intervention monitoring, the system detects whether the worker has reached into the relevant compartment, confirms this internally, and the next assembly step is displayed.



Hand scanner

- The hand-held scanner can be integrated in the work process in different ways, for example for starting processes or for confirming of work steps.



Hand-/Fußschalter

- The hand/foot switch is used to confirm work steps or for other confirmations to the system. Alternatively, a keyboard can be used.



MiniTec workstations ...

... can be individually adapted and ergonomically optimized. This ranges from height adjustment to gripping space optimization, lighting and sound insulation to tool and material provision.

MiniTec SmartEdi

Create instructions yourself for more flexibility

The more products and variants you have, the more instructions you also need for their assembly or picking. To ensure that these are always available quickly, MiniTec SmartAssist includes the intuitive **MiniTec SmartEdi** editor.

Edi makes your life easier and your organization faster, because it allows you to easily design the instructions for new products yourself. This means more flexibility and independence. The system requires no programming knowledge and is almost self-explanatory.

Your possibilities:

- The interface is similar to that of common office applications. Graphical symbols and texts can be positioned as desired and provided with interactive functions.
- Complex work processes can be transparently broken down into individual sub-steps and, in addition, branches for variants can be created at desired points.
- Partial steps can be easily duplicated, modified and saved as new versions.
- The Pick-To-Light light bars as well as the laser projection can be configured easily and intuitively.
- Instructions can be created in different languages.
- Recipes for the same product can be created in different levels of detail to take account of the different qualifications of the workers.



Your advantages:

- ✓ Intuitive, simple creation of Work instructions and recipes
- ✓ No programming knowledge required
- ✓ Speed, flexibility and Independence



 To the Video
MiniTec SmartEdi

Everything from one source: *Advantage MiniTec!*

We offer both as a complete solution including workstation and as a supplementary system for your existing work environment. The scope of services depends on your individual requirements:

- Type and number of assistance modules to be included
- Number of workstations
- Number of editor licenses

We guarantee you all-round support right from the start. This ranges from personal consulting regarding conception and configuration, implementation and the test run or production support up to training and support.

Arrange a personal consultation appointment right away and let us and let us convince you of the advantages for your company. we look forward to meeting you!

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