

Smart forms in pharmaceutical services



Challenges

- Laboratory Manager, medical directors, packaging manager, assurance manager and other pharmaceutical personnel want mobile and flexible data input tools to help reduce operating costs.
- Reducing input errors and eliminating incompatibilities between data systems is of paramount importance.
- Mobile employees should work more closely with the internal processes to speed data input and reporting. Employees should be able to access information systems even while on the road.
- It should be possible for the mobile user to collect data even when offline, and then synchronize with the central system upon reconnecting.
- The data exchange should happen promptly. This is important especially for time-critical processes such as the monthly or yearly billing.
- The data input tools should be highly automated and fully integrated with the backend system. Using our software, for example, calculating daily billing can be highly automated.

Advantages using our solution for health services

- The number of process steps is reduced.
- Even if the employee works remotely, he has direct access to most of the data.
- Mobile users can send their data directly to the central system.
- Process costs are reduced by handling the resulting tasks sooner. The E-Pen & Forms line of products allows the user to enter digital data in an intuitive, form-based way. Above all, the integrated powerful handwriting recognition simplifies the filling of smart forms.
- Using smart forms; e.g. for ward rounds, clinical trials, surveys and marketing-trials; important information can be captured using familiar forms and natural handwriting.
- The input is done with a pen while the handwriting is saved digitally. The handwriting can be transformed into typescript and synchronized with the central system or database.
- Processes can be implemented in the smart form as plausibility checks. Regulations and validations, enforced by the Food and Drug Association (FDA) can be simplified using integrated controls.



The tool for data acquisition by hand

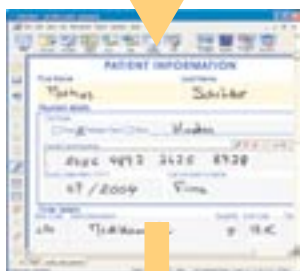
E-Pen&Forms Filler for Tablet PC is a perfect tool to fill and save data with predefined forms. The powerful handwriting recognition enables the conversion of handwriting in typescript.

Predefined fields can be quickly filled by connecting the forms to external data sources, such as databases or Excel lists.

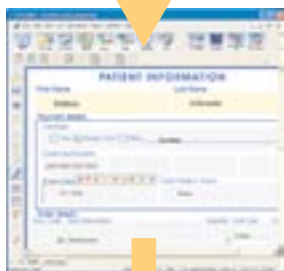
As easy as importing data, captured data can be exported to different Office applications like Excel, Powerpoint and Outlook, to databases such as Oracle or MySQL, or directly to applications like Siebel or SAP.



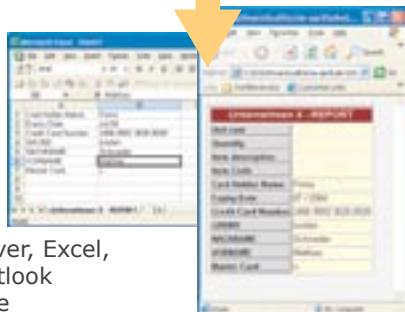
Write



Recognize



Export



SQL Server, Excel,
XML, Outlook
and more

E-Pen&Forms Filler is more than just a tool for data acquisition

- **Work without paper using intelligent digital forms.** You can fill your forms directly on a Tablet PC by hand.
- **Very good ergonomics and acceptance.** The original layout is preserved.
- **Every size and format** of paper form can be used.
- **Specific functionalities** e.g. plausibility checks, digital signature and dependencies between fields can be used.

- **Connections to** databases, Excel, CRM-Software and pharmaceutical software are possible.
- **Import and Export** to many applications; e.g. all Office applications, CSV and XML; are available.
- **A smart form can be directly sent by email**
- **The direct synchronisation** of MS Outlook dates, tasks, reminders and contacts is available.

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The handwriting on paper is digitally captured

While E-Pen&Forms Filler is used with Tablet PCs, alternatively the Digital Pad "E-Pen&Memo" can be used which stores handwriting on paper electronically. Of course the paper is preserved.

While the user writes on the paper, a digital copy is created, which is saved in the Digital Pad.

- The Digital Pad saves all handwriting, e.g. notes, drawings and filled paper forms.
- Up to 1000 forms can be stored in the Digital Pad.
- The Digital Pad can be used completely uncoupled from the PC.
- With a weight of 1.24 lbs the Digital Pad is extremely mobile.
- After the acquisition the handwriting can be transferred to a smart form on the computer and processed.
- The handwriting can be recognized in typescript using powerful recognition software.
- Like E-Pen&Forms Filler for the Tablet PC, the Digital Pad software has many available features such as plausibility checks, automatic calculations, connections to databases and numerous export capabilities.



Product info:

www.design-universe.com/tabletpc.htm

Flash Demo and Training:

www.design-universe.com/demo.html

Evaluation software is available on request

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