

digitisation of handwriting

generation of electronic copies

dispatchment of handwritten emails

on-the-fly generation of statistics

capture of exact time of penstrokes

conversion into machine readable ASCII



dotforms®

coding your paper

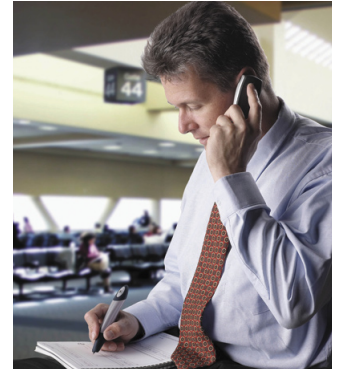


straightforward

powerful

flexible

the ease of paper the power of electronics



- **NORMAL PAPER IS TOO SLOW?**
- **YOU NEED TO SPEED UP YOUR PROCESSES?**
- **COMPUTERS ARE NOT WANTED?**
- **YOU NEED ELECTRONIC COPIES QUICK AND NEAT?**
- **YOU ARE SICK OF NCR COPIES?**

dotforms[®] MAKES HANDWRITING DIGITAL AND MUCH MORE !

This is what you need :

- dotforms papers
- digital pens
- dotforms application (web or local)

This is what you do not need :

- do not change you workflow
- do not costly train your people
- do not set up new forms
- do not worry about the acceptance

THIS IS HOW DOTFORMS WORKS:

When you write with a digital pen on dotforms digital paper, the pen reads the dot pattern in the background of the page that encodes precise coordinates. These coordinates allow in combination with the

timestamp the exact record and reconstruction of where and when something has been written. The pen's memory allows the storage of pages in the pen before the data needs to be uploaded to an application (either local or webbased) that processes the data in accordance to customer's requirements. There are two data transmission interfaces available: via USB cradle to a PC or via bluetooth to a mobile phone.





THIS IS WHAT DOTFORMS CAN DO FOR YOU:

➤ **Generation of electronic copies**

In many applications data is being captured with pen and paper and then digitised for further processing through scanners or fax machines. Dotforms bridges the gap and digitises directly: no need for fax machines or scanners anymore. You just fill out the form and the application will automatically generate the electronic copy and send it to predefined recipients either via email, fax or webservice.

➤ **Indexing of electronic copies**

The file can be indexed in accordance to definable criteria whose values are exported automatically from the form. These values could be specific checkboxes, a timestamp or even alphanumeric characters.

➤ **ASCII export of checkbox values**

dotforms allows the export of ASCII values. Thanks to the underlying technology, the reliability of the recognition is 100%. For this reason, you do not need any further verification instance. The data is captured manually and then automatically forwarded to your database.

➤ **ASCII export of alphanumeric characters**

The bottleneck of any handwriting recognition engine is the handwriting itself. Nevertheless, dotforms enables higher rates of correct recognition than any other environments. This has to do with the optimal quality of the electronic document (for static ICR) and with the inclusion of the dynamics of time (for dynamic HWR). We are happy to provide you with customised solutions for verification and data processing.

➤ **Generation of statistics on-the-fly**

With dotforms you fill out forms, transmit them to the server and we generate on-the-fly the respective statistics. No manual data entry, no manual counting.



Since its foundation in 1832 the Halbach Group has continuously broadened its services in accordance to the customers' necessities. The ever growing need for quick and digitally processable data has led to the development of *dotforms*: the digital pen and paper technology. With *dotforms* we combine the expertise in printing with the experience in coding challenging applications. *dotforms* addresses all organisations that cannot or do not want to integrate keyboards into their intelligent concept of smooth and user friendly data capture and processing workflow.

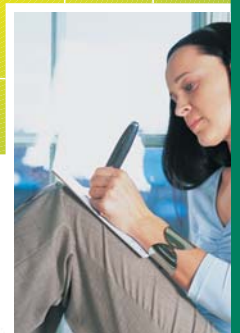


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We look forward to talking to you!