



KONICA MINOLTA

www.konicaminolta.co.uk

## Universal Design Concept

# Our machines are built for everybody's needs



The essentials of imaging

# Certified suitability

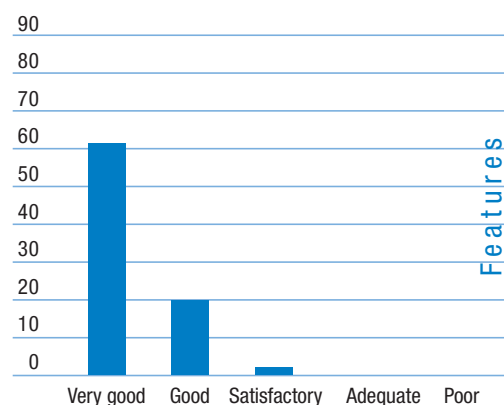


TÜV Product Service GmbH invited six wheelchair users from North Germany to test the suitability for disabled people of the Konica Minolta Di2510 monochrome copier-printer (Di3010/Di3510 & bizhub range similar in construction). The extensive testing procedure involved a variety of tasks such as copying (normal and duplex copying, sorting, magnifying and reducing), creating a booklet, printing (normal, duplex and hole-punching), scanning and refilling both paper and toner. The testers evaluated the ease with which each of these 18 tasks could be carried out on a five-point scale between “very good” and “poor”. Interviews were also conducted to discover their subjective assessment of the machine’s suitability for disabled people.

The results were overwhelmingly good. The six testers gave a “very good” or “good” rating to 97.6% of the 84 machine features assessed in the tests and 96.3% of the 27 features evaluated in the interviews. The interviews revealed a high degree of satisfaction with the tested machine – “very easy to use” and “the best machine ever seen” were just two of the comments. The tiltable display panel and magnification function met with a very positive response and there was praise for the fact that suggestions for improvements made when the last Konica Minolta machine was tested early in 2003

had been implemented in the Di2510. All in all, a massive vote of confidence in the machine’s ease of use by disabled people.

**Ease of use: TÜV Product Service GmbH ratings for 84 machine features**



**“I found it particularly easy to feed in originals for scanning and the display is really easy to operate, even if you’ve limited use of your fingers.”**

Bernd Worf, plumber

# Ease of use - an essential quality



[www.tuev-sued.de](http://www.tuev-sued.de)

Office workers with disabilities, whether they're wheelchair users, visually impaired or have dexterity problems - know full well how important user friendly business equipment is. One of the aims of Konica Minolta Universal design concept is to ensure that our machines do not discriminate against users.

Even the most sophisticated business equipment is of little value if it is too difficult to use. That's why ease of use is one of the key characteristics of all Konica Minolta's business equipment. Now Konica Minolta has taken this ease-of-use principle one step further by launching its Universal Design Concept. From now on, all of Konica Minolta's new business equipment will fulfil the minimum requirements of this Universal Design Concept.

This user-friendly Concept also complies with the growing statutory demands for everyone to have "an opportunity to participate in the global information society" (eEurope 2002 & 2005). In the USA Federal agencies are now required to "ensure that ... technology is accessible to employees ... to the extent it does not pose an undue burden". Konica Minolta's unique Universal Design Concept fulfils these requirements. Evidence of the suitability of Konica Minolta's machines for use by disabled people comes from the certification issued by TÜV Product Service GmbH, a well-respected German organisation of technical service providers (see opposite).

# Designed to make life easier



A number of features have been built into the latest Konica Minolta models to make them easier to operate for any user – not just those suffering from some form of disability. The benefits start with the operating display – the most important “human interface” in any piece of business equipment. A user can specifically simplify the Konica Minolta operating display to make a machine even easier to use. What’s more, the operating instructions are comprehensive enough to ensure the user isn’t left wondering how to activate some infrequently used function but still written simply so they are easy to understand.

**1** One particularly practical feature is the system status lamp. This shows every user, even at a distance, whether a Konica Minolta machine is ready for use (lamp off), running (green lamp) or malfunctioning (red lamp). This can save a lot of time and effort, especially in larger offices.



**“Older copiers are often difficult to use because the operating panel is too high. But this Konica Minolta machine is particularly convenient for a wheelchair user. I found the paper access, tiltable panel and booklet creation function particularly good.”**

Irmgard Wandt, personnel officer

## Better access for wheelchair users

Most office machines are difficult to operate for wheelchair users. Operating panels, for example, are normally designed for standing use only. Here, Konica Minolta's Universal Design Concept breaks new ground by introducing an operating panel that can be tilted by up to 42°

**2** Wheelchair users can easily read the display and access the buttons.

In addition, this feature is also useful if the sun is shining on the display. Other features of Konica Minolta's Universal Design Concept have also been introduced with wheelchair users in mind.

2



**3** A transparent rail at the front edge of the feeder unit allows paper to be inserted more easily.

**4** The feeder icons attached to the vertical rail at the back of the feeder unit are visible at wheelchair height.

**5** In a busy office even the high-capacity paper trays of many Konica Minolta machines need frequent refilling. But most conventional paper cassettes have handles that can only be accessed from the bottom upwards – a clear disadvantage, not just for people in a wheelchair. Konica Minolta's Universal Design Concept introduces paper cassettes that can be accessed from the top downwards.



### Brighter prospects for the visually impaired

Reading the display of a conventional office machine can be a real problem for the visually impaired. Konica Minolta's Universal Design Concept, in contrast, has introduced a number of features designed to meet their specific needs.

**6** The operating display, for example, can be enlarged up to 16 times the original size and visually impaired users can scroll through the panel like a PC.

**7** The contrast in the display can be easily regulated to accommodate impaired vision or difficult lighting conditions, e.g. strong sunshine or dark corners.

**“An ergonomically designed machine that everyone can use helps with the integration of disabled people. This Konica Minolta machine has a number of useful features such as the tiltable panel, large paper trays, robust feeder and fax function.”**

Klaus Pöhler, engineer



**8** The darker-coloured panel and output trays make it easier to identify if a fax has arrived or a print job is already in the output tray.

Up to now, most office equipment has come in the ubiquitous pale-grey colour. Konica Minolta's Universal Design Concept has broken with this "tradition" to introduce a darker-coloured design. Use is made of high-quality recycled plastics that take on a darker colour when reprocessed. This not only has clearenvironmental benefits but also helps visually impaired users.



### Benefits for finger-handicapped users

Most machines are not designed to meet the specific needs of users with impairments to their fingers, hands or dexterity. The latest Konica Minolta machines are an exception. The keys of the operating panel have been specifically designed for those with limited dexterity.

**9** Their concave shape ensures that any operating instrument such as a pen does not slip off.



**10** Another useful feature is the document feeders large handle, which enables users to lift the lid up easily, for example just with their fist.

# Universal Design Concept



**“A machine that is ergonomically designed with the needs of disabled people in mind not only helps with their workplace integration but is also easy to use for everybody – and that raises productivity and makes the document workflow more efficient.”**

All specifications relating to paper

capacity refer to A4-sized paper of 80 g/m<sup>2</sup> quality.

All specifications relating to scanning, copying or printing speeds refer to A4-sized paper that is scanned, copied or printed crosswise in multipage, simplex mode.

The memory capacities listed refer to A4-sized paper with the toner coverage detailed in the respective foot note.

Some of the product illustrations contain optional accessories.

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