

# DA-69W

DAonWindows - range  
3D-graphical controller  
for hydraulic press brakes

## Delem



### Proven embedded reliability

DAonWindows controllers feature an embedded, real-time Windows operating system for maximum reliability. Smooth start-ups ensured, even after instant shut off.

The DA-69W press brake controller combines **user-friendliness** with efficient programming and reliability. This, combined in one strong package, increasing machine productivity.

The latest graphics technologies enable **real scale representation** within Delem's familiar intuitive user interface.

The system offers 2D and 3D graphical programming that include **automatic bend sequence calculation and collision detection**. Together with self-learning databases this will lead to a good result of the desired product. The **full 3D** machine set-up includes multiple tool stations and offers true feedback on product feasibility and handling.

Highly effective control algorithms optimise the machine cycle and minimise set-up time. This makes using press brakes easier, more efficient and more versatile than ever.

Windows® networking ensures **easy integration** in your production network. The controller can be accessed from anywhere in the network and product data can be stored at the desired network locations.

Housed in a tough and sturdy cabinet, the DAonWindows control is based on **state-of-the-art industrial electronics** and equipped with a high quality colour LCD (TFT) screen.

Delem's **Modusys** concept and its built-in PLC allows you to add functionality, providing maximum scalability and adaptivity.

### DA-69W featuring:

- 3D and 2D graphical programming
- **3D visualisation** in production mode
- 12" TFT color display
- Full Windows suite
- Touch pad pointing device
- Integrated OEM-panel
- Standard integrated USB floppy drive
- USB keyboard & mouse interface
- User specific application support within the controllers' multitasking environment
- Sensor bending & correction interface

# Technical Specifications DA-69W

## Product configuration

### Standard

- Colour LCD display
- 12" TFT, high brightness
- 800 x 600 pixels, 16 bit
- 600 MHz microprocessor
- Memory capacity 128 MB
- Product and tools memory 64 MB
- 3D graphics acceleration
- Standard Windows® networking
- 2<sup>nd</sup> HSB Modusys bus
- Integrated pointing device
- USB Floppy disk drive
- Emergency button
- Integrated OEM-panel
- USB flash memory drive

### Options

- Touch screen

### Field options

- Part support control
- X1-X2 angle programming  
incl. 3D finger view
- Barcode reader interface
- Frame deflection compensation
- Sensor bending & correction  
interface

### Ordering information

- DA-69We



Panelline concept

## Technical specifications

### General

- Real-time embedded Windows® OS
- Stable, multitasking environment
- Instant Shut Off
- Delem Modusys compatible
- Tandem operation

### Programming functions

- Alphanumeric product naming, up to 25 characters
- 2D/3D real-scale product programming and visualisation
- Automatic bend sequence calculation in 2D and 3D
- Easy graphical bend sequence swap and move
- Front part support visualisation
- One page programming table
- Graphical product and tool selection
- Programmable axis speed
- Free material programming
- Program repeat max. 9,999
- Number of steps up to 99
- Step repeat, 99 max.
- Product & tool search filter
- Millimetres / inches
- kN / Ton selection

### Tooling

- Graphical tool configuration
- Multiple tool station set-ups
- Tool segmentation visualisation
- Alphanumeric tool identification, up to 25 character
- Free graphical tool programming
- Tool adapter support

### Computed functions

- Tooling safety zones
- Press force
- Bend allowance
- Crowning adjustment
- Developed length
- Bottoming force
- Hemming force
- Auto bumping calculation
- Radius programming
- Learned bend allowance table
- Angle correction database

### Miscellaneous

- Machine time + stroke counter
- Error messaging system
- Diagnostic program
- Onboard dialogue languages

- Integrated help functions
- Handwheel movement of all axes
- "Teach-in" on Y and auxiliary axes
- Stock counter
- User specific applications support
- Sequencer functionality (PLC)
- Optional SoftPLC according to IEC61131-3 standard

### Interfaces

- Modusys bus (HSB) up to 16 modules
- DNC-RS 232C, bi-directional (2x)
- Network interface (100 Mb / 10Mb)
- USB (2x) for external devices
- Safety PLC interfacing

### Enhanced functions

- Word processor (WordPad)
- Email client (POP3)
- Internet Explorer (web browser)
- Remote Terminal Client
- Remote diagnosis
- Analysis Tool
- PDF viewer
- On screen keyboard

# Delem

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