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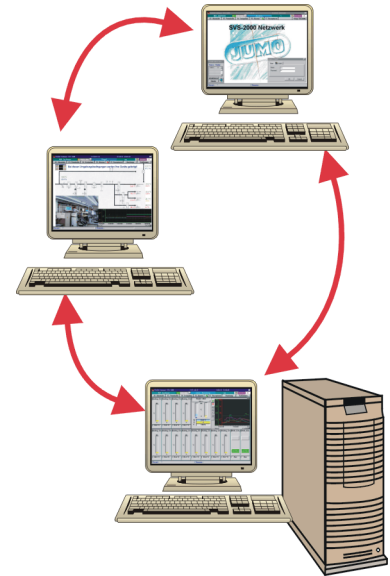


# JUMO SVS-2000N

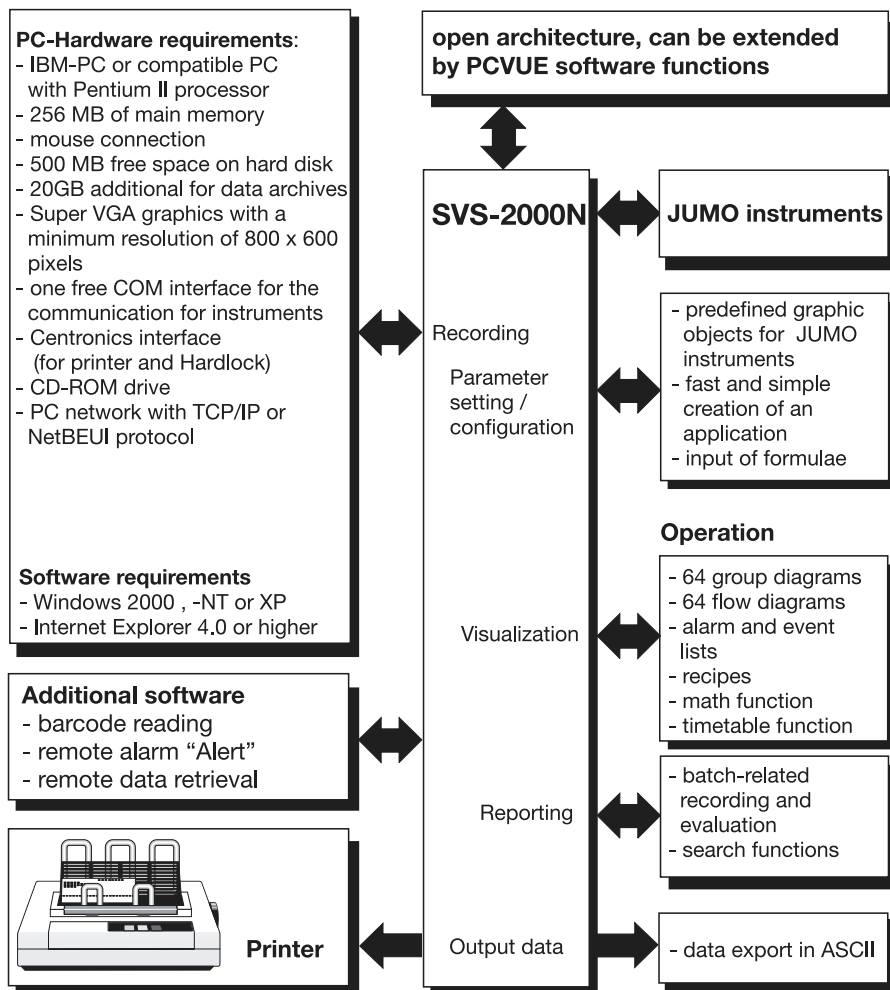
## Plant visualization software with batch-related data report and evaluation for networks

### Brief description

**JUMO** SVS-2000N is a 32-bit visualization software package that can run under Windows NT, 2000 or XP. Extensive reporting functions with batch-related report evaluation can archive the data to hard disk over an adjustable period of time. Predefined graphic elements are provided in a library, especially for the connection of JUMO instruments. This reduces the creation of applications down to a simple configuration of the system, thus considerably reducing the initial setup time. Data can be visualized as a real-time trend, or historically (as recorded in the past). Each PC can record up to 50 systems, independently of one another. And a single PC can view the corresponding reports for up to 100 systems. One report, one timetable, 64 recipes, group displays, and 8 trend displays are available per system. An existing PC network can be used to transfer SVS-2000N system data between several PCs.



### Block structure of a network station



### Features

#### Network functionality

- The visualization and report generation can be freely defined for each station

#### Easy creation of applications

- Quick and simple creation of the applications by using predefined graphic objects for JUMO instruments

#### Data recording

- Batch-related report generation and data recording for a process
- Batch reporting with a search function for time, date, batch number, product name or program number
- Data recording to hard disk

#### Display

- Simultaneous group and trend displays
- System-specific alarm and event lists

#### Real-time operation

- Real-time visualization of and switching between group displays, trend displays, alarm or event lists
- with specifically set-up variables, editable (e.g. setpoints, via system diagrams)
- The sampling rate per interface and per connected instrument is from 0.7 to 2 seconds

## Other functions

- Password protection at different levels
- Recipe functions
- Expandable software functions through open architecture under PCVUE 32
- 3 languages: English, German, French
- Max. capability:  
management - 50 systems  
display - 100 systems

## Variable pricing, with the following upgrade levels

- Economical entry, with 75 I/O variables
- 250 I/O variables
- 1000 I/O variables
- 5000 I/O variables

## Training/seminars

Training courses and seminars for the JUMO SVS-2000N are held in our training center.

For information on available courses and dates, please contact our training manager Manfred Schleicher  
Phone +49 6 61 6003-396

## Standard accessories

- 1 CD SVS-2000N
- 1 Operating Instructions B 70.0753
- 1 Hardlock dongle

## Additional software

### Remote-alarm software "Alert"

- Automatic alarm redirection
  - SMS text
  - verbal message
  - fax
  - e-mail
  - Win popup
- Automatic fax via modem
- Automatic message to another PC in the network
- User management and availability schedules for service personnel
- Output of daily, weekly or monthly alarm statistics for errors and their elimination
- Fault acknowledgment can be made via modem or phone

### Remote-control software "PC-Anywhere"

This software enables the remote operation of all system functions of the SVS-2000N from any location, via modem or through the network.

## Drivers for linking JUMO instruments

Type	Description	Bus protocol	Further infos, see Data Sheet
dTRANS pH 01	Transmitter/controller for pH	MODbus	20.2530
dTRANS Rd 01	Transmitter/controller for redox potential		20.2535
dTRANS Lf 01	Transmitter/controller for conductivity		20.2540
dTRANS Rw 01	Transmitter/controller for high-purity water		20.2545
dTRANS Az 01	Indicator/controller for electrochemical parameters		20.2550
dTRON 16.1	Process controller		70.3011
dTRON 04.1 dTRON 08.1	Process controller	70.3030	
dTRON 304/ 308 / 316	Compact Controller with program function	Modbus	70.3041
SRM-48	Universal compact controllers	JUMO-ASCII	70.3540
DICON 400/500	Universal process controllers	MODbus	70.3570
DICON 401/501	Profile controllers/generators		70.3580
DICON 1000	Process controller		70.3560
DICON 1001	Profile controller		70.3565
PRF-100	Process control system meat processing		70.0401
PR-100	Process control system (with limited functionality)		70.0501
mTRON modules	Modules from the automation system JUMO mTRON	MODbus via communication module	70.4010 ... 70.4090
LPF-100/200	3-channel profile controller		70.0105
LPT-100	Profile generators for tumblers, mixers and kneaders		70.0107
LKR-96	Boiler controller		70.0201
IMAGO F3000	Process controller for meat processing	MODbus	70.0101
IMAGO 500	Multi-channel program controller	MODbus	70.3590
MDA2-48	Digital indicator	JUMO-ASCII	95.1510
Logoline 500	Pen recorder with text printing	MODbus	95.3530
Logoprint 500	Printing recorder	MODbus	95.4012
Logoscreen	Paperless recorder	MODbus	95.5010
TMM-45	Smart transmitter	JUMO-ASCII	95.6510

### Barcode reader

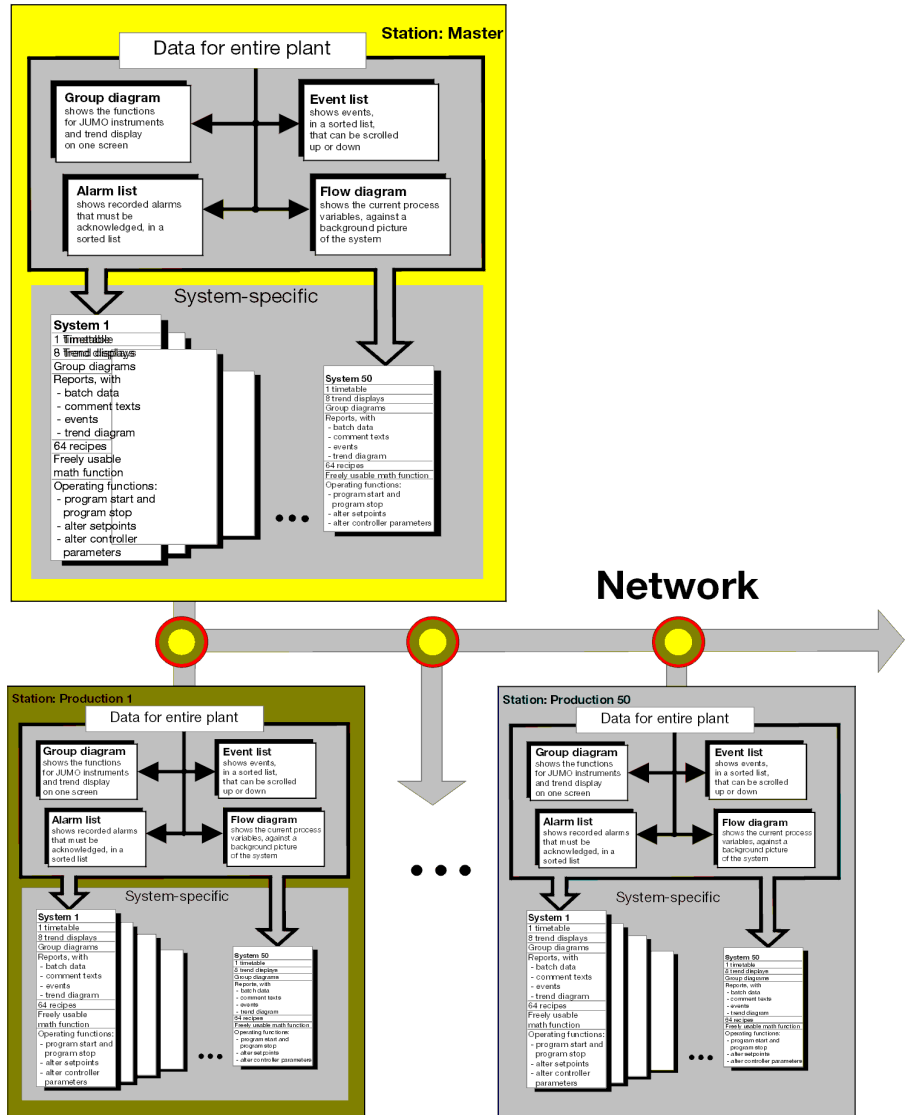
Barcode readers are connected as devices attached to the serial interface, like JUMO instruments, or are looped into the keyboard connection to the PC. The data are transmitted to the SVS-2000N by the WinWedge (DDE) software.

Further information on request.

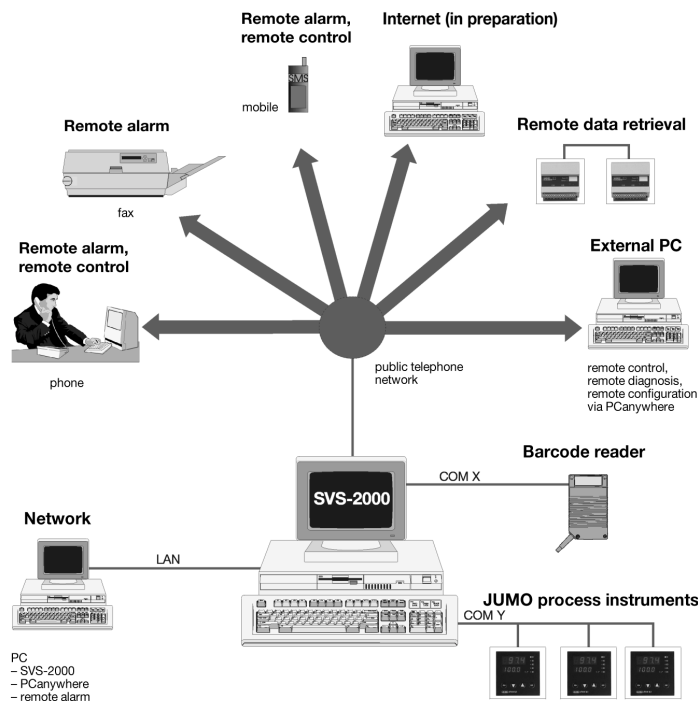
## Operating principle of SVS-2000N

SVS-2000N provides supervisory and system-specific visualization facilities. The higher-level (supervisory), non system-specific group and flow diagrams, as well as global alarm and event lists, provide an overall view of all connected devices. The complete data for individual systems are assigned in the system-specific section. This pre-selection means that only the system-specific data for reports, trend displays and recipes are available for a given system. In this way, an individual system overview and simple operation can be implemented to suit the application.

## Structure of the network stations



## Additional software



## Visualization

### 64 group diagrams

- ✗ up to 20 instrument functions can be combined to form a group diagram
- ✗ individual diagrams can be called up to operate the connected instruments:
  - program start and stop
  - alteration of the setpoint
  - alter controller parameters
  - controller changeover between manual and automatic modes
- ✗ trend display for the current system variables

### 64 flow diagrams

- ✗ animation of the flow diagrams by JUMO, customer-specific

### Event list

- ✗ chronological listing of all events
- ✗ overall list, or subdivided into systems

### Alarm list

- ✗ display of all active alarms
- ✗ overall list, or subdivided into systems

### Recipes

- ✗ create and transmit

### Math processing

- 64 different formulae can be calculated
- ✗ free entry of formulae

### Timetable function

- ✗ calendar function for one year

## Reporting

A reporting function is available for up to 50 systems per PC. The reports for up to 100 systems can be called up over the network.

### Report types

- ✗ batch processes
- ✗ continuous processes (shift reports and daily reports)

### Report data

- ✗ analog and logic signals (trend display)
- ✗ events
- ✗ batch data, such as batch number, product name, program number
- ✗ customer-specific comment lines, and the input of a standard form sheet
- ✗ up to 8 different batches in one report
- ✗ start and stop of report recording by time, input in the screen template, or to the unit itself

## Report evaluation

### Search function

- ✗ batch number
- ✗ date / time
- ✗ product name
- ✗ program number
- ✗ system

### Data export

- ✗ Export data in ASCII format, for further processing in spreadsheet programs
- ✗ selection options for the data to be exported
- ✗ automatic or manual data export can be selected

### Data print-out

- ✗ report data in the form of a trend display or a list
- ✗ event list
- ✗ comment lines
- ✗ batch data
- ✗ calculation of minimum, maximum and average values
- ✗ selection options for the data to be printed
- ✗ automatic or manual printing of data can be selected

## Accessories

- Interface card with 2, 4 or 8 x RS422 or RS485 interfaces.
- Universal program editor EdiProg
- Program editor as PC software for the program controller concerned.

## Program creation for DICON-1001

You can use the universal program editor EdiProg (see "Accessories") to create applications centrally, on a PC, and then transfer them to the individual JUMO instruments.

Several editing functions facilitate rapid programming input of a large number of programs.

With DICON-1001, the Ediprogram programs are separately edited, and subsequently transferred.

In this case, it is not possible to simultaneously transfer data to SVS-2000N and from EdiProg to the instruments.

## Program creation for DICON 401/-501 IMAGO F3000 and -500

You can use the program editor that is available as a PC program to create applications centrally, on a PC, and then transfer them to the individual instrument via the setup interface.

Several editing functions facilitate rapid programming input of a large number of programs and their transmission via the setup interface, teleservice or modem.