



## Thermofom automat SW 1407

November 07



### Product benefits

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- Three-way operating zone for high loading and unloading flexibility
- Efficient occupation of space and high area productivity by compact dimensions
- Precise movements with smooth starting and flexible speed by electric drives with converters
- Individual format adaption by adjustable stentering frame and removable window-disks
- Solid steel construction and premium components for high fiability
- Individual temperature control by adressable pilot heaters
- Comfortable manual tool change

### Sheet /model dimensions

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|--|--------------------|
| ▪ Sheet dimensions (top-heating)*        | 1400 x 700 x 10 mm |
| ▪ Window format                          | 1350 x 650 mm      |
| ▪ Tool height                            | 600 mm             |
| ▪ Free table-space below support-heating | 680 mm             |

\* Example of application: Sheet material PS

### Control /operations

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|---|-------------|
| ▪ Automatic control Siemens S7-200®   |             |
| ▪ 3 operation modes, selectable via turn-switch   | HAND-0-AUTO |
| ▪ Pre-programmed special schemes  |             |
| ▪ Heating temperature control via JUMO® digital control   |             |
| ▪ Heating duration control time-triggered by time impulse and temperature-triggered by pyrometer respectively |             |
| ▪ Cooling duration control time-triggered by time impulse and temperature-triggered by pyrometer respectively |             |
| ▪ NOT AUS switch at switchboard and machine   |             |
| ▪ Main switch in electric control cabinet   |             |



## Heating system

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- Top-heating with 50 Elstein® ceramic heaters, heating output apiece: 400 W 20.0 KW
- Support-heating with 50 Elstein® ceramic heaters, heating output apiece: 250 W 12.5 KW
- Heating control top-heating by adressable single heaters, via two 24-channel clusters with pilot heaters 48 channels
- Heating control support-heating by heating zones, via 24-channel cluster with pilot heaters 24 channels
- Light barrier with adjustable vacuum impulse (top-heating protection)
- Light barrier with adjustable support-air blast impulse (support-heating protection)

## Vacuum system

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- Three-stage vacuum via magnetic valves with restrictor
- Integrated vacuum pump 400V, 2.2 KW 100 kbm/h
- Air supply 3/4" direct
- Permanent support-air blast via magnetic valves with restrictor
- Two-stage stretch-air blast via magnetic valves with restrictor

## Drives /mechanics

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- All electric drives with converters and spur-rack synchronism
- Electric top-heating drive 400V, 0.75 KW
- Electric support-heating drive, connectable 400V, 0.75 KW
- Electric table drive with 2 pneumatic support-cylinders Ø 80 mm 400V, 0.37 KW
- Electric stentering-frame drive, with tensioning sequence 400V, 1.10 KW

## Electrics

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- Application of high-quality components by well-known manufacturers only
- Heater cabling via stainless-steel power rails, connection via heat-resistant cables in glass-fiber tube