

thermoform systems SW

peripheral systems SW

thermoform machines 800

thermoform machines 700





## Vacuum thermoform automats SW

November 07

### Standard

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- Individual format, as to your needs
- Three-way operating zone and compact dimensions for high loading and unloading flexibility
- Individual format adaption by adjustable stentering frame and removable window-disks, optional sheet or roll feeding
- Siemens<sup>®</sup> automatic control with additional manual mode (HAND-0-AUTO)
- Top heating with Elstein HTS<sup>®</sup> ceramic heaters
- Support heating with Elstein HTS<sup>®</sup> ceramic heaters and glass protection
- Multi-channel heating control and pyrometer for precise heating and cooling processing
- Light barrier controlled air blast impulse (supporting, preforming, heater protection)
- Precise movements with smooth starting and flexible speed by electric drives with converters
- Stentering frame and tool cooling
- Cooling air radiators incl. water spray
- Integrated vacuum system
- Light barriers, protection panelling and manual operating (NOT-mode) for high safety
- manual tool change

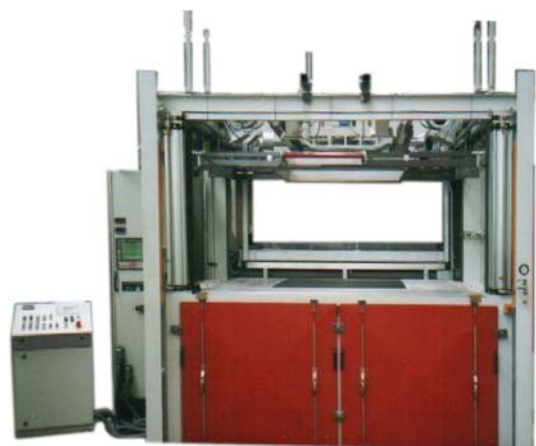
### Option

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- Removable window-disks for individual format adaption and material saving
- Tool chang device with vacuum-locking und integrated roll feed
- Twinsheet-device for welding formed parts
- Quartz heater equipment (medium-wave)
- Quartz high performance heater equipment (short-wave)
- Manual top-heating height adjusting
- Manual feeding support for big sheets



**SW 3015** thermoform automat

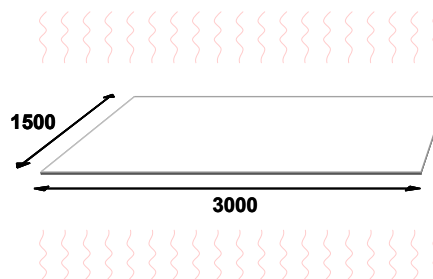


**SW 2010** thermoform automat



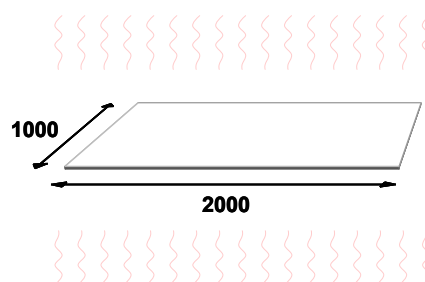
## SW 3015 vacuum thermoform automat

- Sheet format (mm) 3000 x 1500 x 10
- Window format (mm) 2950 x 1450
- Electric connection 400V, 210 KW
- Top heating 288 heaters 115 KW
- Support heating 288 heaters 72 KW
- Multi-channel top heating control (0.4 KW / channel) 288 channels
- Support heating control via heating zones (1.0 KW) 72 channels
- 2 vacuum pumps 2.2 KW 100 kbm/h
- 1 vacuum pump (tool) 40 kbm/h
- 8 radiators 900 kbm/h



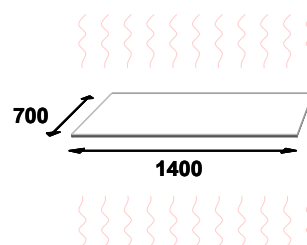
## SW 2010 vacuum thermoform automat

- Sheet format (mm) 2000 x 1000 x 10
- Window format (mm) 1950 x 950
- Electric connection 400V, 95 KW
- Top heating 128 heaters 51 KW
- Support heating 128 heaters 32 KW
- Multi-channel top heating control (0.4 KW / channel) 128 Kanäle
- Support heating control via heating zones (1.0 KW) 32 Kanäle
- 2 vacuum pumps 2.2 KW 100 kbm/h
- 1 vacuum pump (tool) 40 kbm/h
- 8 radiators 900 kbm/h



## SW 1407 vacuum thermoform automat

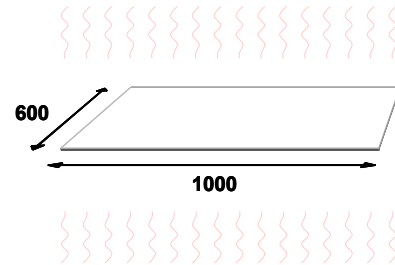
- Sheet format (mm) 1400 x 700 x 10
- Window format (mm) 1350 x 650
- Electric connection 400V, 40 KW
- Top heating 50 heaters 20 KW
- Support heating 50 heaters 12.5 KW
- Multi channel top heating control (0.4 KW / channel) 48 channels
- Support heating control via heating zones (0.5 KW) 24 channels
- 1 vacuum pump 2.2 KW 100 kbm/h
- 3 radiators 900 kbm/h 900 kbm/h





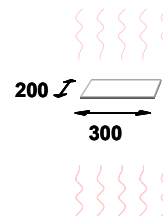
## SW 1006 vacuum thermoform automat

- |  |                 |
|--|-----------------|
| ▪ Sheet format (mm)                                    | 1000 x 600 x 10 |
| ▪ Window format (mm)                                   | 950 x 550       |
| ▪ Electric connection                                  | 400V, 24 KW     |
| ▪ Top heating 32 heaters                               | 13 KW           |
| ▪ Support heating 32 heaters                           | 8.0 KW          |
| ▪ Multi-channel top heating control (0.4 KW / channel) | 32 channels     |
| ▪ Support heating control via heating zones (0.25 KW)  | 24 channels     |
| ▪ 1 vacuum pump 2.2 KW                                 | 100 kbm/h       |
| ▪ 2 radiators  | 900 kbm/h       |



## SW 0302 vacuum thermoform automat

- |  |                |
|--|----------------|
| ▪ Sheet format (mm)                                    | 300 x 200 x 10 |
| ▪ Window format (mm)                                   | 280 x 170      |
| ▪ Electric connection                                  | 400V, 4 KW     |
| ▪ Top heating 12 heaters                               | 1.2 KW         |
| ▪ Support heating 12 heaters                           | 1.2 KW         |
| ▪ Multi-channel top heating control (0.1 KW / channel) | 12 channels    |
| ▪ Multi-channel top heating control (0.1 KW / channel) | 12 channels    |
| ▪ 1 vacuum pump  | 16 kbm/h       |
| ▪ 1 radiator   | 300 kbm/h      |



SW 0302 thermoform automat



SW 1407 thermoform automat



## Pneumatic thermoform automat SW

November 07

### Standard

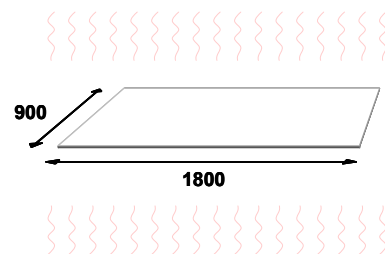
- Individual format, as to your needs
- Solid steel construction and premium components
- Individual format adaption by removable window-disks and single tooling
- High-level closing by membrane cylinders (1000kN) and mechanical tool locking
- Siemens<sup>®</sup> automatic control with additional manual mode (HAND-0-AUTO)
- Top heating with Elstein HTS<sup>®</sup> ceramic heaters
- Support heating with Elstein HTS<sup>®</sup> ceramic heaters and glass protection
- Precise movements with smooth starting and flexible speed by electric drives with converters
- Multi-channel heating control and pyrometer for precise heating and cooling processing
- Light barriers, protection panels and manual operating (NOT-mode) for high safety
- manual tool change

### Option

- Tool heating
- Hydraulic aggregate as demolding support
- Integrated Vacuum pump 100 kbm/h

## SW 825 pneumatic thermoform automat

- Sheet format (mm) 1800 x 900 x 10
- Window format (mm) 1350 x 650
- Electric connection 400V, 75 KW
- Top heating 120 channels 30 KW
- Support heating 30 channel 30 KW



- ✓ Deforming in 2 directions
- ✓ Undercut forming
- ✓ Tools with chamfering edges



**SW 825** thermoform system



## Peripheral systems SW

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### Standard

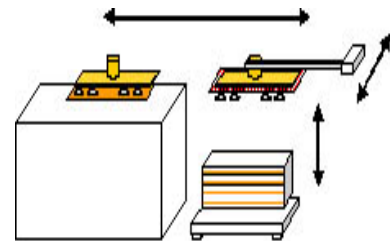
- Individual conception adapted to your needs
- Solid steel construction and premium components

### Option

- Full system integration to existing production facilities, also to 3<sup>rd</sup> party systems
- Automatic control

### SW BA loading / unloading

- Sheet feeding via vacuum fixation
- Unloading by mechanic devices
- Sheet loading as from stock
- Sheet singulation via air blast impulse with precise depositing
- Integrated sheets pre-heating (option)



### SW HTR band saw

- |   |               |
|---|---------------|
| ▪ Cutting width                         | 720 – 1000mm  |
| ▪ Max. cutting height                   | 100mm         |
| ▪ Velocity                              | 0.5 – 5.0 m/s |
| ▪ Max. cutting width extension (option) | 3000mm        |
| ▪ Vacuum belt conveyor (option)         |               |
| ▪ Suction (option)                      |               |

### SW SV support

- Tool changing devices
- Vacuum fixation desks
- Heating desks and panels
- Pre-heating stations for tools and presses
- Vacuum-presses
- Cutting-roll presses
- Infrared heating systems



SW HTR Trennbandsäge



## Vacuum thermoform machines 800

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### Standard

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- Three-way operating zone and compact dimensions for high loading and unloading flexibility
- Solid steel construction and premium components
- Modular assembling to allow for subsequent extensions and upgrades
- Precise movements by pneumatic drives with synchronism (813, 814, 815)
- Individual format adaption by adjustable stentering frame and removable window-disks (813, 814, 815)
- Heating control support-heating by heating zones, via semi-circularly heater-cluster with adressable pilot heaters (812, 813, 814, 815)
- Digital temperature control / thermostatic
- Manual tool change

### Option

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- Automatic control Siemens LOGO® (813, 814, 815)  
Package incl. safety panelling, water sprayer, air cooler, pyrometer, light veil, light barrier
- Multi-channel control
- Support heating with glass protection (812, 813, 814, 815)
- Support heating drive pneumatic manual
- Top ram
- Individual format adaption by removable window-disks
- SkinPack device
- Manual Roll-feeding device
- Cooling air radiators incl. water spray
- Preinstalled connections for tool cooling



**SW 812** Thermoform machine

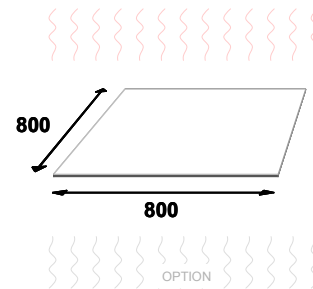


**SW 814** Thermoform machine



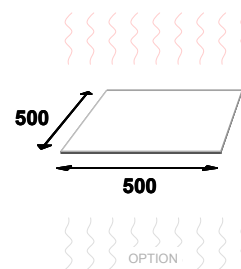
## 814 vacuum thermoform machine

- Sheet format (mm) 800 x 800 x 10
- Window format (mm) 740 x 740
- Electric connection 400V, 18 KW
- Top heating 36 heaters 14.4 KW
- Support heating 36 heaters 9.0 KW
- Top heating control via heating zones (0.25 KW) 6 channels
- Support heating control via heating zones (1.5 KW) 6 channels
- Digital temperature control via pilot heater
- Vacuum pump 16 kbm/h



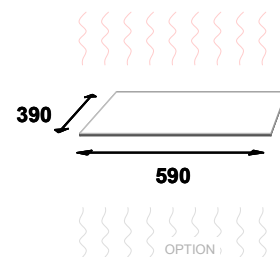
## 813 vacuum thermoform machine

- Sheet format (mm) 500 x 500 x 10
- Window format (mm) 440 x 440
- Electric connection 400V, 9 KW
- Top heating 16 heaters 6.4 KW
- Support heating 16 heaters 4.0 KW
- Top heating control via heating zones (1. KW) 6 channels
- Support heating control via heating zones (0.7 KW) 6 channels
- Digital temperature control via pilot heater
- Vacuum pump 16 kbm/h



## 812 vacuum thermoform machine

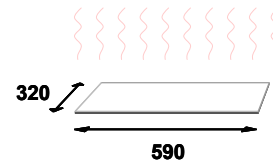
- Sheet format (mm) 590 x 390 x 6
- Window format (mm) 550 x 350
- Electric connection 400V, 4 KW
- 3-channel top heating, 10 heaters 4.0 KW
- 3-channel support heating 10 heaters 2.5 KW
- Digital temperature control via pilot heater
- Vacuum pump 3,5 kbm/h





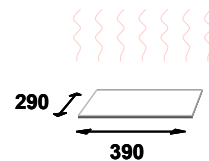
## 811 vacuum thermoform machine

- Sheet format (mm) 590 x 320 x 3
- Window format (mm) 550 x 290
- Electric connection 230V, 2.2 KW
- 2-channel top heating with 8 heaters 2.2 KW
- Thermostatic temperature control
- Vacuum pump w/ tank 0.6 kbm/h



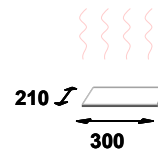
## 802 vacuum thermoform machine

- Sheet format (mm) 390 x 290 x 3
- Window format (mm) 350 x 250
- Electric connection 230V, 1.6 KW
- 1-channel top heating with 6 heaters 1.6 KW
- Thermostatic temperature control
- Vacuum pump w/ tank 0.6 kbm/h



## 801 vacuum thermoform machine

- Sheet format (mm) 300 x 210 x 3
- Window format (mm) 250 x 170
- Electric connection 230V, 0.9 KW
- 1-channel top heating with 6 heaters 0.9 KW
- Thermostatic temperature control
- Manual piston pump 500 ccm



SW 801 thermoform machine



SW 811 thermoform machine



## thermoform units 700 for education / hobby

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### 701 thermoforming

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- Sheet format (mm) 140 x 110 x 1
- Window format (mm) 116 x 86
- Electric connection 230V, 0.5 KW
- Halogen heater 0.5 KW
- Manual piston pump 500 ccm

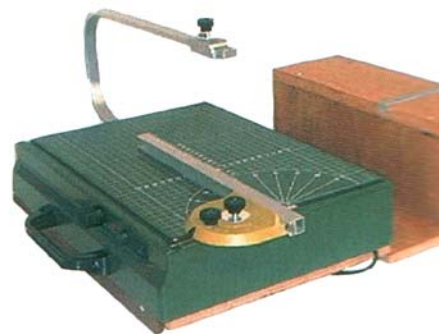
### 700 bending / cutting

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- Sheet format (mm) 300 x 120 x 1
- Wire holder (mm) 290 x 200
- Electric connection 230V, 0.2 KW
- Trafo-Heizregelung 0-12V AC
- Spare wire coil 10m
- 2-dimension bedstop
- Wire holder rotatable



SW 701 thermoform unit



700 thermoform unit

## Give us a challenge!

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For any request feel free to use our comfortable [Online-Form](#).

**We will gladly submit to you an individual offer.**

### Dipl-Ing. Jürgen Schönwolff Thermoformmaschinen

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