



<b>Type</b>	Induction Heating Machine
<b>Application</b>	Aluminium Wheel Heating for Flow Forming process
<b>Number of heating stations</b>	1
<b>Inductor lifting device</b>	NC Drive
<b>Speed of lifting axis</b>	up to 300 mm/s
<b>Standard MF output</b>	150-200 kW
<b>Control system</b>	Siemens S7-15xxF PLC
<b>NC servo technology</b>	Siemens Sinamics S210
<b>HMI</b>	Siemens IPC477E
<b>Manual controller</b>	Siemens ITC1900 / KP8
<b>Process monitoring</b>	Generator ZVE with monitoring via PLC or EME2020
<b>Safety technology</b>	Pilz safetyrelais or Siemens Integrated ET200SP / Profisafe
<b>Machine housing</b>	capsuled
<b>Heating Station</b>	open
<b>Steam extraction</b>	integrated, centralized or decentralized optional with air filter
<b>Condensate recovery</b>	integrated
<b>Dimensions (L x W x H)</b>	5.000 mm x 2.100 mm x 2.600 mm
<b>Total height</b>	2.600 mm
<b>Total weight</b>	approx. 5 t

### Options

- › Workpiece temperature monitoring
- › Designcooling for distortion minimization
- › Process monitoring and data capture (EME)
- › Connection to automatic part handling systems
- › Water-to-water or water-to-air chiller
- › Inductor recognition
- › Inductor database
- › Interfaces for data transfer
- › Detection system (e.g. for DMC)
- › Maintenance reminder in machine control system

### Component handling

<b>Loading</b>	From front
<b>Unloading</b>	From front
<b>Loading height</b>	1.100 mm
<b>Loading /unloading</b>	Indust. robot
<b>workpiece fixation / workpiece positioning</b>	Pneumatic

### Applications

<b>Wheel size</b>	17–24"
<b>Wheel width</b>	300 mm
<b>Max diameter</b>	700 mm
<b>Max. weight</b>	50 kg or by request
<b>Cycle time</b>	Up to 35 s
<b>Machining orientation</b>	Vertical
<b>Inductor design</b>	Ring inductor