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

| | |
|---|---------------|
| Loading | From front |
| Unloading | From front |
| Loading height | 1.100 mm |
| Loading /unloading | Indust. robot |
| workpiece fixation / workpiece positioning | Pneumatic |

Applications

| | |
|------------------------------|---------------------|
| Wheel size | 17–24" |
| Wheel width | 300 mm |
| Max diameter | 700 mm |
| Max. weight | 50 kg or by request |
| Cycle time | ≥ 35 s |
| Machining orientation | Vertical |
| Incutor design | Ring inductor |