Rotary drum annealing furnace

Specifications	
Furnace type:	Horizontal rotary drum
Heating type:	Electric
Operating temperature range:	650…850°C
Maximum operating temperature:	850°C
Capacity:	max. 250 kg/h
Number of control zones:	2
Temperature control type:	Siemens S7 PLC with operator panel (HMI)
Zone temperature measurement:	Type K fast-response thermocouples
Heater type:	Bayonet heating elements
Installed power:	
- for heating:	120 kW (12 x 10 kW)
- for drives:	1.84 kW
Electrical switching type:	Power controller (SCR / thyristor power regulator)
Protective atmosphere type:	Exothermic
Exo atmosphere flow rate:	max. 20 Nm^3/h
Drum speed control:	Variable via frequency inverter and a 2-pinion drive system
Rotational speed:	0.22 … 0.93 rpm
Supply voltage:	3 x 400 V / 50 Hz

