



STC Elektronik GmbH

PC-based PLC controls and Regulations

Highest visualization and service comfort

Machine and plant controls including coupling to local networks, leading-levels, BDE, QMS and Internet



Controls and Regulations based on standard industrial enclosure systems

- Machine and plant controls as complete solution
- Touch Screen control system with integrated PLC
- Power control of all usual plant components
- Oven controls according to complex requirement profiles



Embedded Systems Cascade regulations and temperature curve controls StcEmbReg – StcEmbZpr

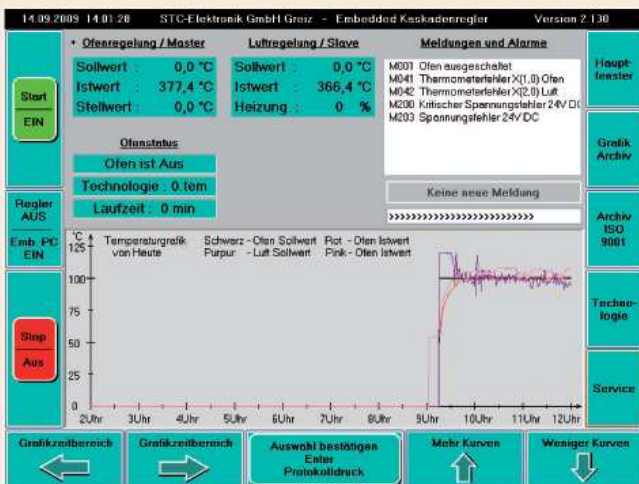
- Machine and plant controls as complete solutions for small plant and production lines, ovens and special purpose machines
- Touch Screen Embedded SPS-IPC with remote periphery
- Complete Industrial cabinets for all usual oven controls



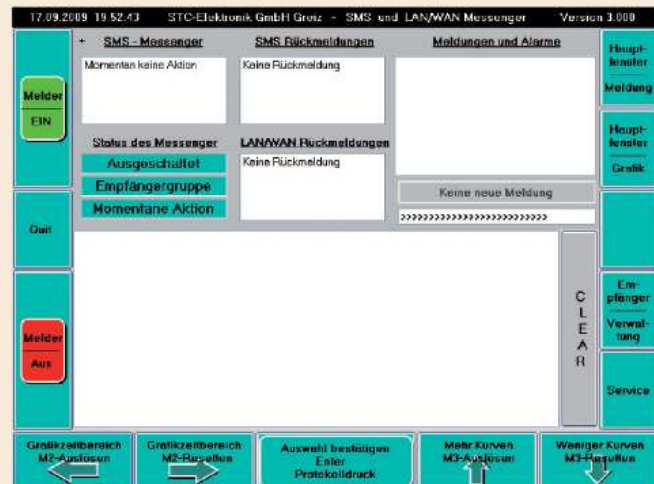
Windows* based PLC-Systems and Cascade regulations

- Industrial PC controls with comprehensive menu system
- Technology databases, production visualization and QMS
- Leading-level coupling, ISO9001 archiving and remote maintenance
- Platform with highest service and visualization comfort
- Data exchange in local networks to BDE or QMS systems
- Long-distance effects, status messenger and remote maintenance via usual internet resources

Program Extracts



Cascade regulations



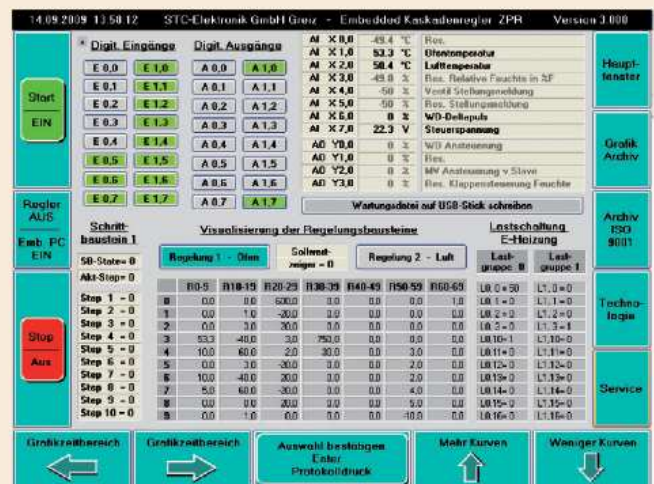
Messenger

STC-WinSPS and Embedded Systems cascade regulations and temperature curve controls StcEmbReg - StcEmbZpr

Program Extracts



Technology window



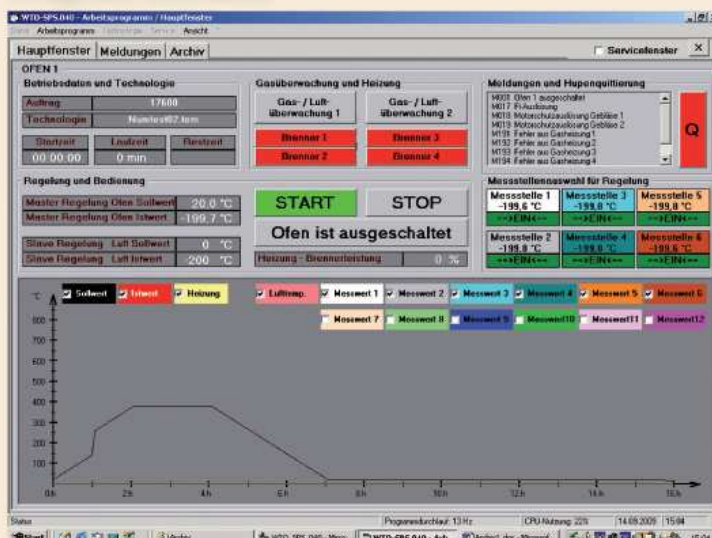
Service window

STC-WinSPS Tempering and Annealing Ovens

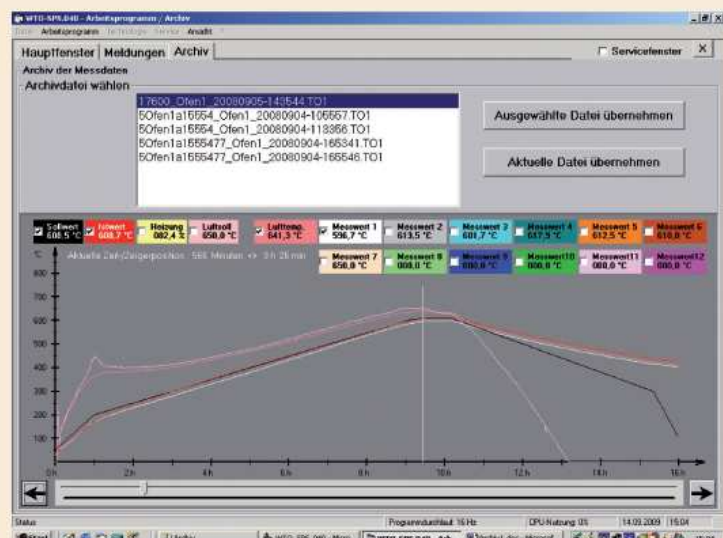
- Oven controls with Technology databases and ISO9001 archive
- Complete solution for steam, oil/gas- or electro heating
- Touch Screen PLC control with high-precise cascade regulators
- Oven controls according to complex requirement profiles and leading levels



Program Extracts



Annealing Oven control



Tempering Oven control

Vulcanising oven controls

- Vulcanising oven controls with continuous product transportation
- Complete controls for 5-7 oven chambers with optional product return
- Touch Screen Control PC with integrated technology database
- Temperature controls and virtual axis system with expansion offset
- Leading level control, remote maintenance and quality assurance system



Program extracts

STC-Druck Gmbh WTD-SPS-01 - V20: Anfahrprogramm / Hauptfenster

Hauptfenster Bahn 1 Heizung Übersicht Ein-Aus Anfahrliste Melder Zeitdiagnose angedr. Werte Servicemanager

Technologie Geschwindigkeit: >>> Pumpung_Rotierfahr_tec <<<

Startzeit: 14.09.2009 16:40 Laufzeit: 0 h 1 min

Meldungen Bahn 1

Quittung

Heizung - akt. Technologie Temperatur: >>> Test-T-Jom <<<

Kammer 1	Kammer 2	Kammer 3	Kammer 4	Kammer 5
Ein/Aus	Ein/Aus	Ein/Aus	Ein/Aus	Ein/Aus
Status	Status	Status	Status	Status
Temperatur	Temperatur	Temperatur	Temperatur	Temperatur
Soll: 101 °C	Soll: 111 °C	Soll: 121 °C	Soll: 131 °C	Soll: 141 °C
Ist: 0 °C	Ist: 1 °C	Ist: 1 °C	Ist: 2 °C	Ist: -1 °C
Yord: 0 %	Yord: 0 %	Yord: 0 %	Yord: 0 %	Yord: 0 %

Meldungen Temperatur und System

Meldungen Gesamtliste

Störung

Quittung

Ölpumpe

Achtung

Gefahr!

Stör

Figurandenbild: 131Hz CPU-Nutzung: 86 14.09.2009 16:44

Furnace control

WTD-SPS-01 - 5-Achsenprogramm: Bahn 1

Hauptfenster Bahn 1 Bahn 2 Heizung Übersicht Servicemanager

Bahn 1 - Grunddatenbereich Geschwindigkeit: >>> Bahn1_tec <<<

Antrieb 1	Antrieb 2	Antrieb 3	Antrieb 4	Antrieb 5	Antrieb 6	Antrieb 7	Antrieb 8	Antrieb 9
Status	Status	Status	Status	Status	Status	Status	Status	Status
Soll m/min	Soll m/min	Soll m/min	Soll m/min	Soll m/min	Soll m/min	Soll m/min	Soll m/min	Soll m/min
Ist m/min	Ist m/min	Ist m/min	Ist m/min	Ist m/min	Ist m/min	Ist m/min	Ist m/min	Ist m/min
Motortorque	Motortorque	Motortorque	Motortorque	Motortorque	Motortorque	Motortorque	Motortorque	Motortorque
Yord	Yord	Yord	Yord	Yord	Yord	Yord	Yord	Yord

Störungs

Stör

Figurandenbild: 131Hz CPU-Nutzung: 23 14.09.2009 16:50

Ground control



STC Elektronik GmbH

- PC-based controls in the automation engineering field
- Touch Screen IPC controls with leading-level and technology database
- Internet databases, remote maintenance and quality assurance system
- Delivery of complete systems in the oven control engineering field

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