

# DISCONTINUATION INFORMATION

## PHASE IV UPGRADE NOW PCA & PCB, ECM & FCM gas curing systems

Upgrade your main electric components to the latest curing technology



### Your gas curing system

PCA, PCB, ECM, FCM equipped with:

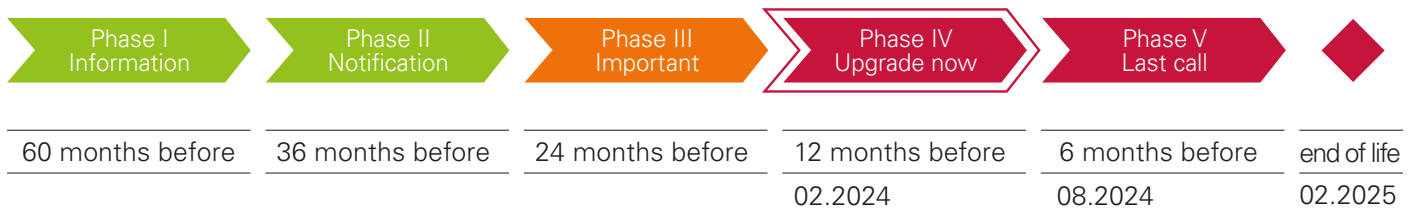
- Siemens S7-200 generation or IDEC PLC
- Flame control DUNGS DGFI.15, DGAI.07, DGAI.08, DGAI.04, DGAI.27, MPA1015



## WHY UPGRADE?

As many electronic components used in older Frei AG systems are getting phased-out by suppliers, the need to adapt electrical systems to accommodate new equivalent replacements is ever increasing. This is the best opportunity to not only restore old functionality but to upgrade to the latest technologies.

## CURRENT PHASE-OUT STATUS



## PHASE IV: WHAT DOES THIS MEAN FOR YOU?

- Production of unit has been stopped because key components are no longer available
- Repairs depend on availability of spare parts
- We strongly recommend an upgrade or replacement to the latest curing technology

**Major downtimes of production line are imminent!**

## ADVANTAGES OF A PREMIUM PACKAGE

- New PLC (controller) and HMI (touch panel):
  - Recipes: Save your individual settings
  - Graphical status display of all components
  - Error logs with text and image
  - Efficiency evaluation
  - Maintenance recommendations
- New DUNGS flame control
- Speed of all conveyors is set on HMI in m/min
- Automatic regulation to target temperature
- Temperature monitoring
- New frequency inverter
- New filters for all blowers
- Replacement of all relevant gas components
- Replacement of ignition transformers and torches
- New burners
- INSIGHTS ready





## OPTIONS AVAILABLE

- New blowers

## NEXT STEP

Please contact your sales contact or send an email to [info@frei-ag.com](mailto:info@frei-ag.com). We will be happy to work out a quotation for the conversion for your equipment.

# Conversion and replacement overview for ECM and FCM curing systems



Features	Conversion of ECM and FCM curing systems			Replacement with new curing systems		
	Mini Package flame control	Combo Package	Premium Package	Soudronic SOUCURE (gas)	Can Man PowerCURE2 (induction)*	Frei AG PCB seam down (gas)
Layout change / foot print	○	○	○	●	●	●
New flame control	●	●	●	●	–	●
Control system	original (phased-out!)	BECKHOFF	BECKHOFF	UNICONTROL	BECKHOFF	BECKHOFF
Touch panel	○	●	●	●	●	●
New gas valves (replacing interval 10 years)	○	○	●	●	–	●
Zero pressure regulator	○	○	●	–	–	●
Inlet gas pressure regulator	○	○	●	●	–	●
Ignition transformers	○	○	●	●	–	●
Ignition torch / ionisation torch	○	○	●	●	–	●
Frequency controlled blower	●	●	●	●	–	●
New frequency inverter «PowerFlex4»	○	○	●	–	–	●
New filter for all blowers	○	○	●	●	–	●
Conveyer speed setting on HMI	○	●	●	●	●	●
Curing temperature regulated	○	●	●	●	●	●
New burners	⦿	⦿	●	●	●	●
New blowers	⦿	⦿	⦿	●	●	●
Next level upgrade	⦿	⦿	⦿	–	–	–

- standard
- ⦿ option
- not provided
- not required

\* Soudronic SOUCURE induction curing for seam up on request

# Conversion and replacement overview for PCA and PCB curing systems



Features	Conversion of PCA and PCB curing systems			Replacement with new curing systems		
	Mini Package flame control	Combo Package	Premium Package	Soudronic SOUCURE (gas)	Can Man PowerCURE2 (induction)*	Frei AG PCB seam down (gas)
Layout change / foot print	○	○	○	●	●	●
New flame control	●	●	●	●	–	●
Control system	original (relays)	BECKHOFF	BECKHOFF	UNICONTROL	BECKHOFF	BECKHOFF
Touch panel	○	●	●	●	●	●
New gas valves (replacing interval 10 years)	○	○	●	●	–	●
Zero pressure regulator	○	○	●	–	–	●
Inlet gas pressure regulator	○	○	●	●	–	●
Ignition transformers	○	○	●	●	–	●
Ignition torch / ionisation torch	○	○	●	●	–	●
Frequency controlled blower	○	○	●	●	–	●
New frequency inverter «PowerFlex4»	○	○	●	–	–	●
New filter for all blowers	○	○	●	●	–	●
Conveyer speed setting on HMI	○	○	●	●	●	●
Curing temperature regulated	○	○	●	●	●	●
New burners	⦿	⦿	●	●	●	●
New blowers	⦿	⦿	⦿	●	●	●
Next level upgrade	⦿	⦿	⦿	–	–	–

- standard
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