MOBILE perfect.

The user interface of the Process Control System (PCS) is available on a mobile device, enabling process supervision of the facility. This module is also used as the programming unit for the PLC.

VISUAL FURNACES® 6

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Your tailor-made upgrade.

- > Customer-oriented support modules
- > Facility efficiency analysis
- > Annealing temperature calculation
- > Optimized stack handling
- > Mobile visualization using tablets

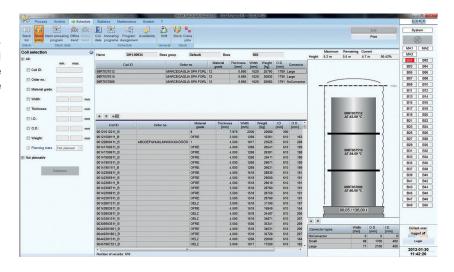
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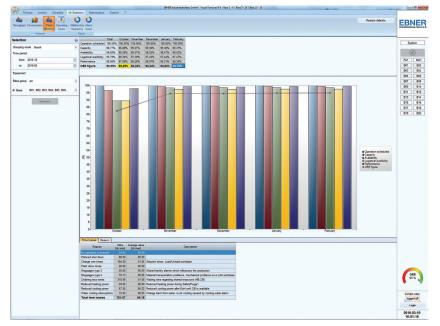
Perfect technology for unique solutions. **MADE BY EBNER**.

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STACK perfect.

Stacks are formed according to the technological requirements of each coil, with the goal of achieving the best possible temperature uniformity and the highest possible furnace efficiency.





OPERATE perfect.

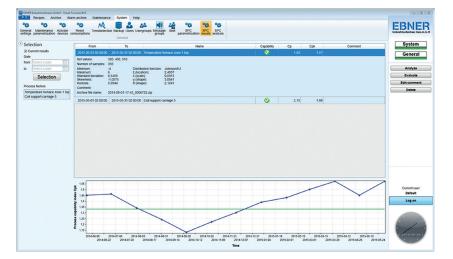
Based on the standardized OEE (Overall Equipment Effectiveness) reference data system, downtimes are systematically recorded, assessed and used for calculating the facility efficiency.

PROCESS perfect.

Using Statistical Process Control (SPC), the behavior of particular processes is continuously supervised in order to ensure early recognition of any deviation from a normal, stable process sequence.

WEB perfect.

The idea add-on to enable current production data to be viewed from a customer's PC. A tabular overview of workbases with process data, the display of currently-outstanding alarms and access to archived data provide rapid assessment of the status of the facility.

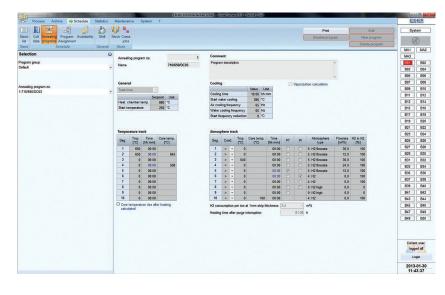


TREAT perfect.

Variable heating, cooling and purge times suitable for the material to be processed are calculated automatically, supervised during operation and corrected if needed.

STORE perfect.

This module optimizes material flow; among other features it can coordinate movement between a cold rolling mill and the bell annealer facility, taking into account both coil storage and relevant equipment.



	Definitionen Texte Betrietsin seizer Detsetsin						Industrial Get II. 5.1
Auswahl	Komponente	Betriebsmitteityp	Verbielbende Tage	Verbleibende Betriebsstunden	Verbleibende Zyklen	Tatigket	System
Stuppe (Komponente)	Burrer 1	Analog sensor		-412		EBNER weekly service	General
Ale Sections Burrer 1 Assembly B Flowmeter General	Flowmeter	Flowrate sensor		-455		Check function	General
	TC	Thermocouple		-430		Check function	Austosen
	TC	Thermocouple AMS		-430		Check function	
	Section 1	Thermocouple AMS		-405		Check function	
ave C	Section 2	Thermocoupie AMS		-405		Check function	
stor valve ction3	VALVE	Valve		-240	-30	Check function	
nating General	Motor valve	Valve		-166	-42	Check PV modul	
Motor_VFD	Assembly B	Thyristor		46	-40	Check function	
	Section 1	Limbsellch	-69		150	Tighten mounting screws	
	Section 2	Limbsedch	-69		150	Tighten mounting screws	
	Motor_VFD	Motor		1	-19	Clean fan	
	General		64			EBNER weekly service	
	Butter 1	Burner	-64	00		Clean burner	
	Section 1	Motor	-57	33		Clean tan	
	Section 2	Motor	-57	100		Clean fan	
	Section 1	Motor				Check function	
	VALVE	Valve		C 3	-50	Check function	
	Assembly 0	Postcorer	1	100	101	Lubricale guidance	
	Section 2	Motor			12	Check function	SC
	Section 1	Limburtch			100	Check Imitswitch	
	Section 1	Motor		103		Check bearing	Aktueller Benutzer
	Section 2	Motor		200		Check bearing	Default
							Annexicen

MAINTAIN perfect.

This maintenance module simplifies administration and planning of the maintenance intervals defined in the user manual. Planning can be based on operating hours or elapsed time.

INFO perfect.

Malfunction alarms are categorized by area of responsibility and can be activated individually for notification. Notification of an active alarm is sent by e-mail or text message (SMS).

🍀 🏛 🛐 👪 🛛	III 🛃 🛄 🎊 🖯		Search message	IT IN LITTLE
verview Base Deployment Preview P			Pint	EBNER
		And A system	Pint	Industriestenbas Ges.m.t
General	Base B01	Alam		
in B01 - Cycle time: 202		Participation (AMM) & Annotational (AMM) & Annotation (AMM) & Anno		System
Honores alego Cycle time: 202693.31 h Process alego				
essage selection	Date Status	Message Message text	Bell Annealtine	
essage type:	2012-08-30 14:05:49	1014 Base in automatic mode		
	2012-08-28 14:14:16	1016 Base fan of		MA1
 Al messages 	2012-08-28 14:13:15	1015 Base fan on		B01 B02
O Alam messages	2012-08-28 14:12:58	1133 Temperature track next segment		B03 B04
	2012-08-28 14:12:58	1137 Programmer adjusted		805 806
Status messages	2012-08-28 13:51:07	1013 Base in manual mode		B07 B03
	2012-08-28 13:42:21	1016 Base fan off		B09 B10
Status New	2012-08-28 13:41:49	1015 Base fan on		
	2012-08-28 11:36:57 🗸	60 Outburner: isolating medium pressure low		B11 B12
	2012-08-28 11:38:57	34 Inner cover clamping pressure low		813 814
	2012-08-28 11:36:57	130 Base farx fan motor protection tripped		
	2012-08-28 11:36:57	59 H2 isolating medium pressure low		
	2012-08-28 11:36:57	62 H2 isolating medium valve malfunction		
	2012-08-28 11:36:57	50 N2 flowrate measuring circuit malfunction		
	2012-08-28 11:36:57	13 Control box: cooling unit mailunction		
	2012-08-28 11:36:57	55 Base: control medium pressure low		
	2012-08-28 11:36:57	67 Latch control relay "air purged" mallunction		
	2012-08-28 11:36:57	107 Base: control T/C or supervision T/C malfunction		
	2012-08-28 11:36:57 🗸	97 Workload space pressure max.		
	2012-08-28 11:36:57	102 Worldoad space pressure measuring circuit malfunction		
	2012-08-28 11:36:57 🗸	113 Base cooling: fowrate too low		
	2012-08-28 11:36:57	52 N2 supply not open		
	2012-08-28 11:36:57	1 MCC - Receptacle fault		
	2012-08-28 11:36:57 🗸	10 Control box: circuit breaker tripped		
	2012-08-28 11:36:57	11 Control box: circuit breaker tripped		
	2012-08-28 11:36:57	131 Base fan motor themistor tripped		
	2012-08-28 11:36:45	1322 CHARGING		
	2012-08-28 10:03:46	1016 Base fan off		
	2012-08-28 10:02:27	1015 Base fan on		
	2012-08-28 09:47:40	1258 Hydraulic pump off		
	2012-08-28 09:47:30	121 SWITCHED OFF		
	2012-08-28 09:47:30	62 H2: isolating medium valve malfunction		
	2012-08-28 09:47:30	67 Latch control relay "air purped" mailunction		
	2012-08-28 09-47-30	107 Base: control T/C or supervision T/C mathunction		
	2012-08-28 09:47:30	10 Control box: circuit breaker tripped		
	2012-08-28 09:47:30	52 N2 supply not open		SP
	2012-08-28 09-47:30	97 Workload space pressue max. 98 192 Workload space pressue max.		- M
	2012-00-28 09:47:30			
	2012-08-28 09-47:30	50 Inclusioner measuring circuit mailunction 102 Worksad space pressure measuring circuit mailunction		
	2012-08-28 09:47:30	Too Trobon grave preserve transmitter tigsed		Current user: logged off
	2012-00-26 09-47:30	56 Base control medium pressure low		
				Login
	Status	🚯 New 🕺 Acknowledged 📝 Rectified 🗸 Reset		

EBNER VISUAL FURNACES® 6

With our proprietary VISUAL FURNACES® 6 system, EBNER offers a Process Control System perfectly tailored to the individual needs of each bell annealer facility owner.

Along with the standard functions of an off-the-shelf application, VISUAL FURNACES® 6 offers additional functions necessary for any bell annealer.

The special features EBNER has integrated into the VISUAL FURNACES® 6 package bring a customer's bell annealer up to the highest standards of available technology:

TREAT perfect	> Autonomous temperature calculation		
STACKperfect	> Optimized stack handling		
OPERATE <i>perfect</i>	> Facility efficiency analysis		
STOREperfect	> Expanded material flow		
MAINTAINperfect	> Streamlined maintenance		
PROCESSperfect	> Statistical process control		
MOBILEperfect	> Mobile visualization solutions		
WEBperfect	> Worldwide access to production data		
INFOperfect	> Status reports by text message (SMS) or email		

Interested in an INDIVIDUALLY-TAILORED UPGRADE?



EBNER AUSTRIA EBNER Industrieofenbau GmbH Ebner-Platz 1 4060 Leonding AUSTRIA Tel: (+43) 732 6868 0

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Please contact us at one of our service email addresses.

We look forward to hearing from you!



EBNER USA EBNER Furnaces, Inc. 224 Quadral Drive Wadsworth, Ohio 44281 USA

Tel: (+1) 330 335 1600 Fax: (+1) 330 335 1605

sales@ebnerfurnaces.com sales@ebner.cn





EBNER CHINA **EBNER** Industrial Furnaces (Taicang) Co., Ltd. Beijing East Road 82 215400 Taicang, Jiangsu CHINA

Tel: (+86) 512 5357 6868 Fax: (+86) 512 5357 6867



EBNER INDIA EBNER India Pvt. Ltd. A/310-311 Dynasty Business Park, J B Nagar, Andheri-Kurla Road, Andheri East, Mumbai - 400059 INDIA

Tel: (+91) 22 6139 3333 Fax: (+91) 22 6139 3311

office-ei@ebner.cc

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