
 Via Lago di Tovel, 14 - 36015 Schio (VI) - Italy Tel +39-045-8182511 Fax +39-0445-50090	ISTRUZIONE OPERATIVA		IO	300_EN
	Troubleshooting alarms Volumetric Divider "Calybra"		Foglio	1/13
			Rev	00
			Data	07/10/2019
			Redatto	D.G. - G.G.


APPLICABILITY OF THE DOCUMENT			
Serial Number (S/N)	Sales date	Machine configuration	Limitation of this document
> 134E22 XXXF22 XXXG22 XXXH22 XXXI22 XXX..22 XXXZ22	Oct 2019	<ul style="list-style-type: none"> • Touch screen Control panel • "Memory pack" option 	<ul style="list-style-type: none"> • No Limitations
= 054E22 = 091E22 >111E22 <132E22	Apr 2019 ÷ Oct 2019	<ul style="list-style-type: none"> • Touch screen Control Panel • "Memory pack" option 	<ul style="list-style-type: none"> • Alarms #205, #206, #207, #208, #211, #212, #213 not recognized with specific icon, but the effects of the anomaly and the resolution of the problem correspond to the document. <p>It is possible to update the operating logic software (PLC + Touch Screen) to the latest version.</p>
<051E22 >060E22 <079E22 >094E22 <100E22 XXXD22 XXXC22 XXXB22 XXXA22	< April 2019	<ul style="list-style-type: none"> • "Memory pack" option 	<ul style="list-style-type: none"> • Alarms #205, #206, #207, #208, #211, #212, #213 not recognized with specific icon, but the effects of the anomaly and the resolution of the problem correspond to the document. • Some images on the Touch screen panel may differ from the document. • Some reference marks for electrical components may differ from the document.
	< April 2019	<ul style="list-style-type: none"> • Touch screen Control Panel NO "Memory Pack" option • PannElectromechanical Control Panel 	<ul style="list-style-type: none"> • NOT applicable

Before carrying out any maintenance work on the machine, carefully read the instruction manual attached to the machine and make sure you have understood its contents, especially with regard to the installation of the machine, its connection to the power supply, maintenance.


Always refer to the electrical diagram of the machine, available inside the electrical box for more information about the electrical connection, the electrical components, the analysis of the anomaly from the electrical point of view.

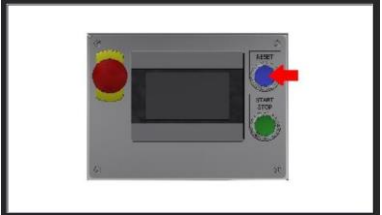

REV	DATA	DESCRIZIONE	FIRMA

 Via Lago di Tovel, 14 - 36015 Schio (VI) - Italy Tel +39-045-8182511 Fax +39-0445-50090	ISTRUZIONE OPERATIVA		IO	300_EN
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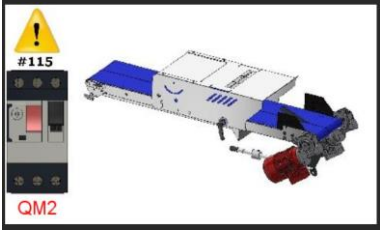
ALARM NOTIFICATION		
Situation/Alarms	Causes	Problem solving
Touch screen panel off	<ul style="list-style-type: none"> Power supply missing; Main switch "QS1" off; Power supply "GB" damaged; Check the power supply on all 3 power steps along the line 	<ul style="list-style-type: none"> The control panel is not powered. Check the fuse "FL5"; Check the connection of the connector "J1" installed externally to the machine on the lower front part; Pull out the serigraphy plate of the control panel and check the cable and connector connection to the touch screen panel. If none of the operations described above allows the functionality of the control panel, move the fuse holder clamp from the "STR N" position to the "STR Y" position inside the electrical box to bypass the touch screen control panel: press the "RESET" button and then "START" (if present) to start processing. Press "RESET" or "START" several times to select the 5 working speeds available in this temporary mode. Press "RESET" or "START" for a few seconds to stop working. In the case of the "MEMORY PACK" option, disconnect connector "J3" and proceed in restart mode with manual management of the weight adjustment. See also Operating Instruction "IO0205" 

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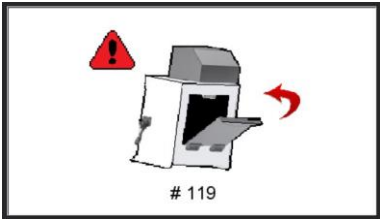

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 <p>Machine ready for "RESET"</p> <p>The touch screen panel shows the screen above: press the "RESET" button to access the machine functions. If pressing the "RESET" button does not allow access to the machine's functions, check:</p>	<ul style="list-style-type: none"> Fuse "FL4" is broken; 	<ul style="list-style-type: none"> Replace it with an equivalent one, which should be available inside the electrical box.
	<ul style="list-style-type: none"> The "ET1" safety controller is damaged: there is a voltage between 'A1' and 'A2' but the upper "SUPPLY" led does not light up. 	<ul style="list-style-type: none"> The "ET1" control unit must be replaced.
	<ul style="list-style-type: none"> The "ET1" safety controller is damaged: there is a voltage between 'A1' and 'A2', the upper led "SUPPLY" lights up, but the "RESET" is not yet possible 	<ul style="list-style-type: none"> - Disconnect wires '313' and '316' and jumper contacts "S11" and "S34" of the safety controller: If the "RESET" is now enabled, move on to the next step, otherwise the "ET1" control unit must be replaced.
	<ul style="list-style-type: none"> "RESET" button ("SB4") damaged. 	<ul style="list-style-type: none"> Check the CONTINUITY between wires '313' and '314' while the "RESET" button is pressed. If there is continuity between these wires (with "RESET" pressed), go to the next step, otherwise replace the button.
	<ul style="list-style-type: none"> Contactors "KM1" and "KM2" damaged 	<ul style="list-style-type: none"> Check continuity between '314' and '315' on "KM1" and between '315' and '316' on "KM2": If there is continuity, the control unit "ET1" is definitively damaged and must be replaced, but if there is no continuity, replace the contactors "KM1" and "KM2".
	<ul style="list-style-type: none"> Interruption of emergency circuit 	<ul style="list-style-type: none"> The 24 VDC voltage between 'L308' and '-M', and between 'M308' and '-M'. If there is no voltage, the emergency circuit is interrupted at some point, so it is necessary to check the 24 VDC voltage between '-M' and an intermediate point on the circuit diagram along the line of the emergency circuit between "FL4" and the control unit "ET1". (e.g. '-M' and 'L307', '-M' and 'M305' and so on to identify the unenabled area).
 <p>Machine ready for "START"</p>		<ul style="list-style-type: none"> Press the "START" button to start working


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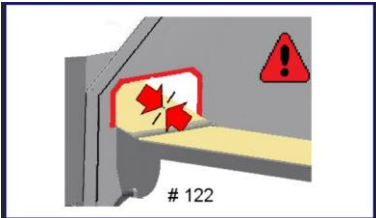

 <p># 120</p>	<ul style="list-style-type: none"> The "STOP EMERGENCY" button is pressed 	<ul style="list-style-type: none"> Turn the ring clockwise to unlock the button. With the button unlocked, on the PLC "A1.0" the led #5 located in the area named "IN" on the PLC should be on. If it is off: check the button contacts and the relative connection wires 'L304' and 'L305'.
<p>ALARM # 120</p> <p>"EMERGENCY STOP" button pressed</p>	<ul style="list-style-type: none"> The remote button "STOP EMERGENCY" (if originally equipped) is pressed or disconnected. 	<ul style="list-style-type: none"> Turn the ring clockwise to unlock the button. Check the connection of the "J4" connector located in the lower front part of the machine. With the button unlocked, on the PLC "A1.0" the led #5 located in the area named "IN" on the PLC should be on. If it is off: <ul style="list-style-type: none"> check the button contacts and the relative connection wires 'L305' and 'L306'.
 <p>#116</p> <p>QM1</p>	<ul style="list-style-type: none"> Supply voltage lower than nominal. Usually the engine overheats easily. Lack of one of the 3 phases of the power supply from the main switchboard. 	<ul style="list-style-type: none"> If the voltage is lower than the rated voltage but within - 10 Volts (compared to the rated value), increase the maximum limit of thermal intervention. If the voltage is more than 10 Volts difference, replace all the motors, based on the supply voltage in the installation room. Check power supply to the panel on all phases; Check "QF1" fuses Check power supply on all phases on terminal board U, V, W inside the terminal board of electric motors
 <p>#115</p> <p>QM2</p>	<ul style="list-style-type: none"> Electric motor damaged. Usually the engine overheats easily and it could generate internal vibrations. 	<ul style="list-style-type: none"> Check the resistivity balance Ω of the windings, which should be homogeneous; Check the balance of power consumption on the 3 phases of power supply; Check that on all the 3 phases of the power supply the electrical consumption (Ampere) is lower than the value declared on the motor identification plate..
<p>ALARM # 116</p> <p>ALARM # 115</p> <p>Intervention on thermal circuit breakers</p>	<ul style="list-style-type: none"> Mechanical transmission problem such that the torque supplied by the motor is not able to generate the movement 	<ul style="list-style-type: none"> Check the bearings, any gearboxes, etc.

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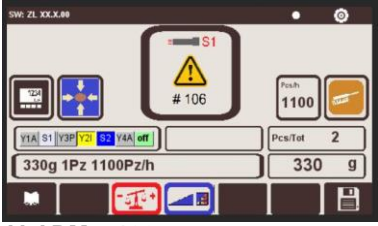
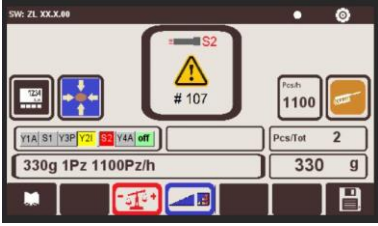
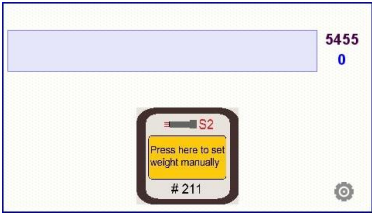
 <p>ALARM # 118 Open hopper and/or pressed safety bar</p>	<ul style="list-style-type: none"> Safety ring placed on the edge of the hopper and pressed down by an external unit (e.g. tipper hopper of the kneader) 	<ul style="list-style-type: none"> Make sure that the safety ring is free from any external elements. Safety ring limit switch pressed down due to lack of spring support Limit switch key damaged Loose limit switch
	<ul style="list-style-type: none"> Safety ring located on the edge of the hopper damaged in its shape, so that one of the two limit switches is always pressed 	<ul style="list-style-type: none"> Ensure that the geometry of the ring conforms to the original geometry
	<ul style="list-style-type: none"> Electromechanical safety ring detection limit switches, damaged 	<ul style="list-style-type: none"> Check that the pin supporting the circlip can slide vertically. Check limit switch contacts
	<ul style="list-style-type: none"> Safety ring suspension springs damaged, blocked in movement, or no longer able to provide the necessary support 	<ul style="list-style-type: none"> Check that the springs are clean and free them from any residual dough Replace the springs
	<ul style="list-style-type: none"> Electrical connection of damaged limit switch 	<ul style="list-style-type: none"> With the safety ring NOT pressed down, on the PLC "A1.0" the led #3 placed in the area called "IN" on the PLC should be on. If it is off: <ul style="list-style-type: none"> check continuity between '+L4' and 'L302' on "SQ1" and between 'L302' and 'L303' on "SQ1.1".
 <p>ALARM # 119 Open weight drawer access door</p>	<ul style="list-style-type: none"> Limit switch key damaged 	<ul style="list-style-type: none"> Check that the key installed on the door is not damaged or loose, or misaligned with respect to the seat of the switch "SQ2".
	<ul style="list-style-type: none"> Slack "SQ2" limit switch 	<ul style="list-style-type: none"> Check that the limit switch, integral with the warhead inside the weight chamber, is well fixed on its support.
	<ul style="list-style-type: none"> Electrical connection of damaged limit switch 	<ul style="list-style-type: none"> With the door closed, on the PLC "A1.0" the led #4 located in the area called "IN" on the PLC should be on. If it is off: <ul style="list-style-type: none"> Check continuity between 'L303' and 'L304' on "SQ2".
 <p>ALARM # 121 Roller cover open</p>	<ul style="list-style-type: none"> Limit switch key damaged 	<ul style="list-style-type: none"> Check that the key installed on the door is not damaged or loose, or misaligned with respect to the seat of the switch "SQ3".
	<ul style="list-style-type: none"> Slack "SQ3" limit switch 	<ul style="list-style-type: none"> Check that the switch, integral with the frame, is well fixed on its support
	<ul style="list-style-type: none"> Electrical connection of damaged limit switch 	<ul style="list-style-type: none"> With the door closed, on the expansion module of the PLC "A1.2", LED #3 located in the area called "IN" on the expansion module should be on. If it is off: <ul style="list-style-type: none"> Check continuity between 'L306' and 'L307' on "SQ3".

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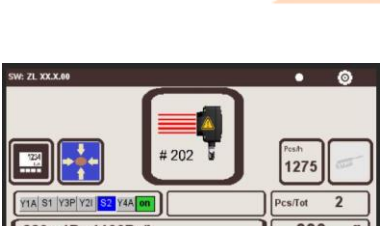
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 ALARM # 122 Safety protection for active dough exit (only for CALYBRA L)	<ul style="list-style-type: none"> Limit switch key damaged 	<ul style="list-style-type: none"> Check that the key installed on the door is not damaged or loose, or misaligned with respect to the seat of the switch "SQ4".
	<ul style="list-style-type: none"> Slack "SQ4" limit switch 	<ul style="list-style-type: none"> Check that the switch, integral with the frame, is well fixed on its support
	<ul style="list-style-type: none"> Electrical connection of damaged limit switch 	<ul style="list-style-type: none"> With the door closed, on the expansion module of the PLC "A1.2" the led #4 located in the area called "IN" on the expansion module should be on. If it is off: <ul style="list-style-type: none"> Check continuity between 'L307' and 'L308' on "SQ4".
 ALARM # 143 Hydraulic power pack oil overtemperature	<ul style="list-style-type: none"> Dirty heat exchanger 	<ul style="list-style-type: none"> Clean the heat exchanger, using a jet of compressed air directed inside the heat exchanger and outwards – Protect the environment to avoid the making of dust in the work area and protect the respiratory tract by using a suitable protective mask
	<ul style="list-style-type: none"> Heat exchanger fan damaged 	<ul style="list-style-type: none"> Check that with the machine on, the cooling fan rotates, also checking that the air flow is facing outwards.
	<ul style="list-style-type: none"> Damaged thermostat 	<ul style="list-style-type: none"> Check on the PLC "A1.0" the led #13 placed in the area named "IN" on the PLC should be on. If it is off: <ul style="list-style-type: none"> Check continuity between '+L1' and '413' on "B1". If the oil is at normal operating temperature, <50°C and the alarm is active, bypass the thermostat signal TESTY until it is replaced, by jumpering '+L1' and '413' to "B1" (general terminal board).
	<ul style="list-style-type: none"> Oil from the hydraulic system to be replaced 	<ul style="list-style-type: none"> Check that the oil in the plant has the characteristics necessary for the operation of the machine, without showing crystallization in its composition and its color has not undergone significant changes.

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 <p>ALARM # 106</p> <p>Proximity sensor "S1" not detected</p>	<ul style="list-style-type: none"> • Sensor "S1" is damaged or cannot read its cam, or is disconnected from the connector, or its connection to the PLC is interrupted. • Cyclic direction phases reversed There is a strong noise coming from the hydraulic unit and for the Calybras equipped with a split frontal discharge, the two coupled discharge conveyors move in the opposite direction to each other. 	<ul style="list-style-type: none"> • Check that the sensor is not physically damaged on its outside; • Check that the sensor is well locked in place and that its distance from the cam fixed to the splitting drum is NOT more than 1 mm; • Check that the connector for the connection to the sensor is well inserted and its ring nut is locked; • Check that on the PLC "A1.0" the led #10 located in the area called "IN" on the PLC lights up when a metal element approaches the end of the sensor. <p>To restore the machine's TEMPORARY working, by-passing the above sensor, set internal parameter #6.2 to "ON".</p>
 <p>ALARM # 107</p> <p>Proximity sensor "S2" not detected</p>	<ul style="list-style-type: none"> • Sensor "S2" is damaged or cannot read its cam, or is disconnected from the connector, or its connection to the PLC is interrupted. 	<ul style="list-style-type: none"> • Check that the sensor is not physically damaged on its outside; • Check that the sensor is well locked in place and that its distance from the cam fixed to the dividing drum is NOT more than 1 mm; • Check that the connector for the connection to the sensor is well inserted and its ring nut is locked; • Check that on PLC "A1.0" LED #11 located in the area called "IN" on the PLC lights up when a metal element approaches the end of the sensor. <p>To restore the machine's TEMPORARY working, by-passing the above sensor, set internal parameter #6.2 to "ON".</p>
 <p>ALARM # 211</p> <p>Proximity sensor "S2" not detected when starting a new work program (only for CALYBRA with 'MEMORY PACK')</p>	<ul style="list-style-type: none"> • Sensor "S2" is damaged or cannot read its cam, or is disconnected from the connector, or its connection to the PLC is interrupted. 	<ul style="list-style-type: none"> • Check that the sensor is not physically damaged on its outside; • Check that the sensor is well locked in place and that its distance from the cam fixed to the dividing drum is NOT more than 1 mm; • Check that the connector for the connection to the sensor is well inserted and its ring nut is locked; • Check that on PLC "A1.0" LED #11 located in the area called "IN" on the PLC lights up when a metal element approaches the end of the sensor. <p>To restore TEMPORARY operation, disconnect connector "J3" and start manual mode, setting the break weight manually using the manual adjustment handwheel.</p>

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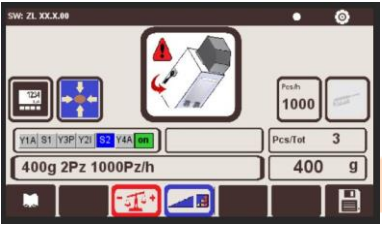


 <p>ALARM # 210</p> <p>Slowing down machine</p>	<ul style="list-style-type: none"> Working cycle time higher than the expected overall time 	<ul style="list-style-type: none"> Overheating of the dividing drum surface which generates drum rotation slowing down caused by high friction. It is generally due to intensive work at maximum operating speed, in a very hot environment. It is recommended to reduce the operating speed for some time or to stop the machining in order to allow the cooling of the splitting drum. Clutch of the dividing drum too high due to the need to adjust it (see operating instructions "IO0016"). Parameter 'Suction time' # 3.3 too long: do not exceed 0,7 Hard external element inside the hopper which hinders the movement of the drum Wrong type of hydraulic unit setting: act on parameter # 7.3
 <p>ALARM # 140</p> <p>Oil hydraulic system too cold</p>	<ul style="list-style-type: none"> Oil hydraulic system too cold to start the machine 	<ul style="list-style-type: none"> Wait for the oil temperature to recover, leaving the machine in the working environment for 24 hh Check on the extension of the PLC "A1.2" the led #7 placed in the area called "IN" on the PLC expansion should be off. If it is on: <ul style="list-style-type: none"> Disconnect the 420 wire from the PLC and reset the thermostat as soon as possible, reconnecting the previously disconnected wire.
 <p>ALARM # 202</p> <p>Workpiece counter sensor not active</p>	<ul style="list-style-type: none"> Sensor damaged Sensor disconnected from connector Sensor not in line with the reflector installed on the side opposite to the sensor Electrical connection interrupted 	<ul style="list-style-type: none"> Physically check for possible damage to the structure of the sensor located on the dough exit area, next to the product delivery belt. Check that the sensor connector is well inserted and locked by the fixing ring nut Verify that the axis of the sensor is aligned with the axis of the reflection device located on the opposite side of the sensor. Also check the locking of both. Check that on PLC "A1.0" LED #7 located in the area called "IN" on the PLC lights up following the interposition of an element between the sensor and the reflector. <p>To by-pass automatic machine shutdown due to sensor failure, change underground parameter #7.1 to "OFF". N.B.: Each time the machine's main switchboard is restarted, this parameter must be reset, as it is considered a temporary situation.</p>

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ISTRUZIONE OPERATIVA



Troubleshooting alarms Volumetric Divider "Calybra"

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 <p>ALARM # 201 Workpiece counter sensor always active</p>	<ul style="list-style-type: none"> • Dirty sensor or reflection device opposite the dirty sensor 	<ul style="list-style-type: none"> • Thoroughly clean the sensor end and the reflection surface of the device opposite the sensor
	<ul style="list-style-type: none"> • Machine restarted several times after automatic stop for lack of dough 	<ul style="list-style-type: none"> • The machine must always work with the dough available in the hopper
 <p>Selection of single pieces not in conformity with the working program (only for 'MEMORY PACK')</p>	<ul style="list-style-type: none"> • Reflection device opposite the damaged sensor 	<ul style="list-style-type: none"> • Check the reflective surface of the device
	<ul style="list-style-type: none"> • Selecting double divider 	<ul style="list-style-type: none"> • On machine with "MEMORY PACK" option, the position of the lever that determines the type of single/double dividing is not in conformity with the working program.
 <p>Selection of double pieces not in accordance with the work program (only for 'MEMORY PACK')</p>	<ul style="list-style-type: none"> • Sensor "S3" is damaged or is unable to read the relevant cam (consisting of the rod connected to the dividing selection lever Single/Double), or is disconnected from the connector, or its connection to the PLC is interrupted. 	<ul style="list-style-type: none"> • Check that the sensor is not physically damaged on its outside; • Check that the sensor is securely locked in place and that its distance from the rod connected to the Single/Double Split Selection Lever is NOT more than 1 mm; • Check that the connector for the connection to the sensor is well inserted and its ring nut is locked; • Check that on the PLC "A1.0" the led #12 located in the area called "IN" on the PLC lights up following the approach of a metal element to the end of the sensor. <p>To restore TEMPORARY operation, disconnect connector "J3" and start manual mode, setting the dividing weight manually by using the manual adjustment handwheel and positioning the Single/Double dividing selection lever as desired.</p>
	<ul style="list-style-type: none"> • Selecting single divider 	<ul style="list-style-type: none"> • On machine with "MEMORY PACK" option, the position of the lever that determines the type of single/double dividing is not in conformity with the working program.
 <p>Selection of double pieces not in accordance with the work program (only for 'MEMORY PACK')</p>	<ul style="list-style-type: none"> • Sensor "S3" is damaged or is always active when it is activated by a extraneous metallic object or its holder has loosened. 	<ul style="list-style-type: none"> • Check that the sensor holder "S3" is stable in its position and that the sensor "S3" is locked in position. • Check, by rotating the single/double divider selection lever, that the sensor is activated only with double divider, adapting the sensing position of the sensor itself. <p>If the operation of adapting the reading of the sensor "S3" does not solve the problem, to restore the TEMPORARY operation, disconnect the connector "J3" and start the manual mode, setting the weight of dividing manually by acting on the handwheel manual adjustment and positioning the lever for selecting dividing Single / Double as desired.</p>


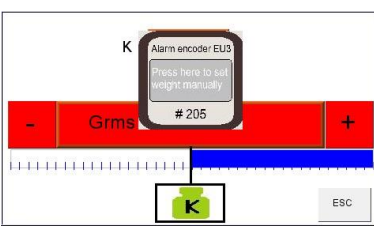
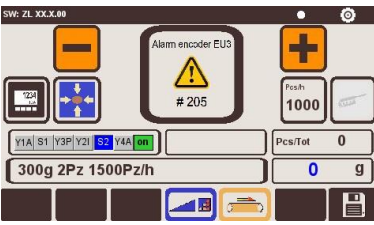
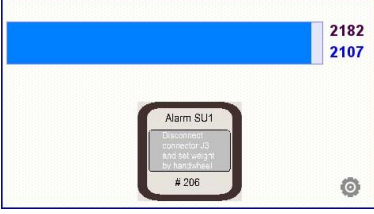
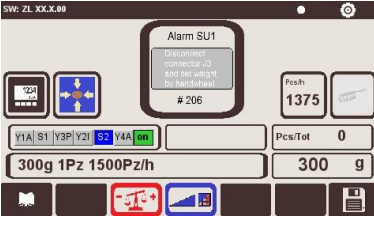
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 <p>Roller position selection not in accordance with the working program (only for CALYBRA L)</p>	<ul style="list-style-type: none"> Move the roller assembly in accordance with the set double process 	<ul style="list-style-type: none"> On the Calybra L version machine, the position of the needle roller unit does not conform to the working set in double section.
	<ul style="list-style-type: none"> Limit switch "S4" not detected, damaged, not correctly fixed to the support, or with interrupted electrical connection 	<ul style="list-style-type: none"> Open the needle roller cover, then check the stability of the switch and its mechanical function. With the limit switch activated (needle roller group in forward position 2 pcs) check on the expansion of the PLC "A1.2" the led #2 located in the area named "IN" on the PLC expansion should be on. If it is off: <ul style="list-style-type: none"> Check wire entry 417 If necessary, replace the limit switch.
 <p>Roller position selection not in accordance with the working program (only for CALYBRA L)</p>	<ul style="list-style-type: none"> Move the roller assembly in accordance with the set double process 	<ul style="list-style-type: none"> On the Calybra L version machine, the position of the needle roller unit is not in accordance with the machining set in single divider. With the limit switch deactivated (needle roller group in rear position 1 pc) check on the PLC expansion "A1.2" the led #2 placed in the area called "IN" on the PLC expansion should be off. If it is on: <ul style="list-style-type: none"> If necessary, replace the limit switch
<p>The machine works correctly, however, the product exit conveyor(s), whose speed can be modified, are stopped</p>	<ul style="list-style-type: none"> Frequency converter (inverter) shut down exit conveyor drive in emergency/shutdown 	<ul style="list-style-type: none"> Check the electrical continuity of the inverter's protection fuses, following the wiring diagram available inside the electrical box Check for possible alarm messages available on the display on the inverter to find out the cause of the alarm. Given the proliferation of versions, device updates, it is recommended to consult the product online, through the manufacturer's website



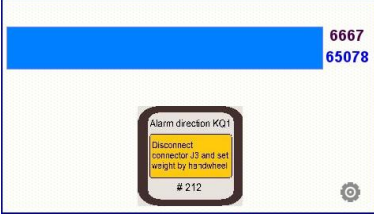
REV	DATA	DESCRIZIONE	FIRMA

 <p>Via Lago di Tovel, 14 - 36015 Schio (VI) - Italy Tel +39-045-8182511 Fax +39-0445-50090</p>	ISTRUZIONE OPERATIVA		IO	300_EN
	Troubleshooting alarms Volumetric Divider "Calybra"		Foglio	11/13
			Rev	00
			Data	07/10/2019
			Redatto	D.G. - G.G.


   <p>ALARM # 205</p> <p>EU3 encoder breaking (only for 'MEMORY PACK')</p>	<ul style="list-style-type: none"> • Breaking of the EU3 incremental encoder during the loading phase of the recipe or during a weight correction. • Mechanical nut lock or motorized weight chamber pads 	<ul style="list-style-type: none"> • If alarm #205 is activated, the respective image appears and pressing on it will switch to the MANUAL ENGINE MOVEMENT mode. • The lack of encoder reading can also occur because the weight drawer is mechanically locked but in this case it is necessary to disconnect connector J3 and, opening the weight chamber, proceed with the manual setting of this by rotating the handwheel at the head of the nut. • Replace the damaged encoder and preferably also the magnetic striker disc.
  <p>ALARM # 206</p> <p>Breaking SU1 limit switch (only for 'MEMORY PACK')</p>	<ul style="list-style-type: none"> • Alarm #206 is displayed if no signal from the SU1 limit switch is detected when the recipe is loaded. 	<ul style="list-style-type: none"> • If alarm #206 is activated, the respective image appears and in this case it is necessary to disconnect connector J3 and, opening the weight chamber, proceed with the manual setting of the weight chamber by turning the handwheel at the head of the nut. • Replace the component and check the signal from the SU1 limit switch using a tester.


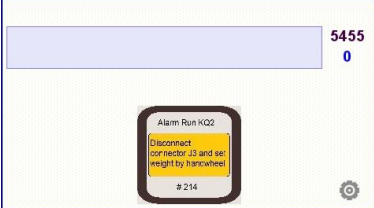

REV	DATA	DESCRIZIONE	FIRMA

 Via Lago di Tovel, 14 - 36015 Schio (VI) - Italy Tel +39-045-8182511 Fax +39-0445-50090	ISTRUZIONE OPERATIVA		IO	300_EN
	Troubleshooting alarms Volumetric Divider "Calybra"		Foglio	12/13
			Rev	00
			Data	07/10/2019
			Redatto	D.G. - G.G.

 <p>ALARM # 207</p> <p>Breaking SU2 limit switch (only for 'MEMORY PACK')</p>	<ul style="list-style-type: none"> Alarm #207 is displayed if no signal from the SU2 limit switch is detected when the recipe is loaded. 	<ul style="list-style-type: none"> If alarm #207 is activated, the respective image appears and in this case it is necessary to disconnect connector J3 and, opening the weight chamber, proceed with the manual setting of the weight chamber by turning the handwheel at the head of the nut. Replace the component and check the signal from the SU1 limit switch using a tester.
 <p>ALARM # 208</p> <p>AU3 driver overload (only for 'MEMORY PACK')</p>	<ul style="list-style-type: none"> Alarm #208 is activated by drive AU3 if there is an over-stress in the MU3 motor that moves the weight drawer. 	<ul style="list-style-type: none"> If alarm #208 is activated, the respective image appears and in this case it is necessary to disconnect connector J3 and, when opening the weight chamber, check that there is NOT any object that prevents the mechanical movements of the weight chamber or that there is a sufficient quantity of lubricating grease on the nut. Restore the weight chamber and reconnect the connector, if you have done correctly the step before, the alarm disappears and you can resume with the normal working of the machine
 <p>ALARM # 212</p> <p>Error 'DIRECTION' signal to the weight chamber (only for 'MEMORY PACK')</p>	<ul style="list-style-type: none"> Alarm #212 is activated when relay KQ1 is damaged or its signal is interrupted somewhere between the control panel and the motor driver of the weighing chamber. 	<ul style="list-style-type: none"> If alarm #212 is activated, the respective image appears and in this case it is necessary to disconnect connector J3 and, opening the weight chamber, proceed with the manual setting of the weight chamber by turning the handwheel at the head of the nut. If there is no change of direction signal, directed to the weight drawer driver, the movement of the nut locks during the homing at the lower point, immediately after activating the SU1 limit switch. Replace the relay and the socket of KQ1 and check, with the help of a tester, that the signal arrives correctly at the AU3 drive.

REV	DATA	DESCRIZIONE	FIRMA

 Via Lago di Tovel, 14 - 36015 Schio (VI) - Italy Tel +39-045-8182511 Fax +39-0445-50090	ISTRUZIONE OPERATIVA		IO	300_EN
	Troubleshooting alarms Volumetric Divider "Calybra"		Foglio	13/13
			Rev	00
			Data	07/10/2019
			Redatto	D.G. - G.G.

 <p>ALARM # 213</p> <p>Signal error 'SLOWS' to the weight chamber (only for 'MEMORY PACK')</p>	<ul style="list-style-type: none"> Alarm #213 is activated when relay KQ0 is damaged or its signal is interrupted somewhere between the control panel and the motor driver of the weighing chamber. 	<ul style="list-style-type: none"> If alarm #213 is activated, the respective image appears and pressing this button it will switch to the MANUAL ENGINE MOVEMENT mode. If there is no slowing down signal to the weight drawer driver, the movement of the nut will stop after 10 attempts to reach altitude. This happens because the movement is too fast and the altitude is repeatedly exceeded both in excess and in defect. Replace the relay and the socket of KQ0 and check, with the help of a tester, that the signal arrives correctly at the AU3 drive. <p>IMPORTANT: after having replaced or replaced any damaged components, it is necessary to reset parameter 7.0 to AUTO in order to take advantage of the automatic movement of the weight chamber again.</p>
 <p>ALARM # 214</p> <p>Signal error "RUN" during the start-up of positioning weight chamber (only for "MEMORY PACK" version)</p>	<ul style="list-style-type: none"> Alarm #214 is generated when the positioning of the weight chamber is started, but no positioning movement is made after 35 seconds. 	<ul style="list-style-type: none"> Relay "KQ2" not working, or disconnected: check the correct insertion of the relay in its housing, check the connections, replace the relay To restore operation, disconnect the weight chamber connector "J3" and start the machine in manual mode.
 <p>ALARM # 215</p> <p>Error of approaching the positioning level of the weight chamber (only for "MEMORY PACK")</p>	<ul style="list-style-type: none"> Alarm #215 is generated when the positioning at the preset position for the selection of the dividing weight occurs in an approximate manner, due to the lack of slowing down due to approximation. 	<ul style="list-style-type: none"> Operate inside the drive for managing the motorization of the weight chamber, acting on the trimmer "TM1" located on the electronic drive "AU3".

REV	DATA	DESCRIZIONE	FIRMA