



## REFERENCE LIST TOPICS TECHNICAL INSIGHTS

vOct/19

Machine type/description	Topic	Release date newsletter
Accessory	New model SLP label printer	Mar-15
All	Parts return form	Apr-13
All new machines	EAC certified for technical compliance with Russian Federation	Jun-18
Blendorama, Giotto, Picasso	Phased out machines: Blendorama Series II Inline and type 22/ Giotto and Picasso	Jan-13
CBv4	New powerboard for dispensers (Implementation/preparation/spare parts)	Jan-13
CBv4	Board software	Feb-14
CBv4	New control board V4	Jun-14
CBv4	New firmware release control board V4	Jun-14
Dispensers	Pallet aanpassing	Dec-15
GA350	The new GA350 manual mixer	Dec-14
GA350	Updated spare parts book for the GA350 mixer	Mar-15
GA350	Update firmware V3.08 for the GA350 for better efficiency	Jun-15
GA350	GA350 ramp	Dec-15
GA350	Changes GA350 : belt + shutter door	May-16
GA350	New control board GA350 for mixer uniformity	Jul-16
GA350	Pulley revision GA350 for mixer uniformity	Jul-16
GA350	GA350 - new alternative doorlock	Nov-16
GA350	Clamping sticker for better operator oversight	Oct-17
GA350	Top plate reinforced	Apr-18
GA350/480	Redesigned pallet GA350/GA480	May-17
GA350/480	Lacquered cradles	Apr-18
GA350/480	Firmware release 317.7	Sep-19
GA350/480	GA350/GA480 - Redesigned tilted pallet for easier offloading	Nov-16
GA450	GA450 oval can sizes	Dec-13
GA450	GA450 software update	Dec-13
GA450	Recent changes to our GA450	Feb-14
GA450	Door lock modifications for the GA450 mixer	Dec-14
GA450	Industrial doorlock GA450	May-16
GA480	GA480 - Shock- absorbing washers cradle	Nov-16
GA480	GA480 optional sliding door	May-17
GA480	New solution sensor bracket	Jan-19
GA480	Protecting the electronics	Jan-19
GA480	Gap above door shielded off	Jan-19
GA480	Facilitated (un)loading of high cans up to 40 cm	Jan-19
GA480	New firmware 317.6	May-19
GA480	Revised frame to reduce leakage after paint spillage	May-19
GA480/450	GA480 successor of GA450	Jul-16
GA480/SK 550 1.1	Firmware update	Oct-17
GA480/SK 550 1.1	Firmware update V317.4	Apr-18
HA150	Reinforced brackets for the HA150 turntable motor	Jun-14
HA150	Design changes to the HA150	Dec-14
HA150	HA150 user manual update and translations	Jun-15
HA150/X-PROTINT	Heating kit option	Nov-18
HA450	Improved stepper motor HA450	Jun-14
HA450, HA650	Design changes Harbil 450 & 650	Dec-13
HA450, HA650	New polymeric canisters Harbil 450 & 650	Dec-13
HA450, HA650	HA450-650 refill option; valve spec change	Feb-14
HA450, HA650	Sturdier polymer foot for the HA450/650 canisters	Jun-14
HA450, HA650	Updated spare parts book for HA450/650 en Giotto	Jun-14
HA450, HA650	Improved polymeric canisters for Harbil 450 & 650	Dec-14
HA450, HA650	HA450 HS Dispenser Board software update	Mar-15
HA450, HA650, Giotto	Updated spare parts book for HA450/650 en Giotto	Jun-14
HA450, HA650, HP	Modifications to our Punch tool	Jun-14
HA450/480/650	Improved fit for PA access panel	Oct-17
HA450/650	New monitor/keyboard bracket HA450/HA650	May-17
HA450/650	Brush fork reinforcement	Sep-19
HA450/650	new power supply	Sep-19
HA480	Improved table drive module	Oct-17
HA480	Handy sticker brush container holder	Oct-17
HA480	Firmware update	Oct-17
HA480	Operator display optimization	Apr-18
HA480	Valve bearing 100ml pump now blue	Apr-18
HA480	Wheel bracket reinforced	Apr-18
HA480	Brush container eject safety	Apr-18
HA480	Can table now faster	Apr-18
HA480	Bracket added for power strip fixation	Apr-18
HA480	New brush monitor feature	Apr-18
HA480	More intuitive punch design	Apr-18
HA480	Redesigned heating kit	Apr-18



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HA480/680	Firmware V2.03.3 update	Jun-18
HA480/680	new spindle nut with gripper	Jun-18
HA480/680	Agitation cranks greased	Nov-18
HA480/680	Improved brush tray removal construction	Nov-18
HA480/680	Firmware version 2.04.2	Dec-18
HA650/HP500 + 800/Man. Dispensers	Machine line phase out and spare parts policy	Nov-18
HA680	Facilitate cable routing to monitor/keyboard arm	Nov-18
Harbil	New firmware on all Harbil machines	Sep-19
Hercules	New Hercules doorlock	Apr-13
Hercules	Hercules Manual mixer	Feb-14
Hercules	New link for the Hercules spare parts book	Mar-15
HP	Improved new X1 board for the HP500/800	Jun-14
HP	New firmware for HP dispensers	Jun-14
HP	HP 500/800 receives POM brush core	Jun-15
HP series	new power supply	Sep-19
HP500/800	Firmware update HP500/HP800	May-17
S35a, SO40a	Production Processor powerboard S35a/SO40a has stopped	Apr-13
Shakers/mixers	additional core between inverter and powerboard	Sep-19
SK 350/550 1.1	Transport SK350/SK550 1.1 now easier	May-17
SK 350/550 1.1	Change to stainless steel plate SK350/SK550 1.1	May-17
SK 350/550 1.1	New bracket lower door swith SK350/SK550 1.1	May-17
SK 550 1.1	Adapted clamp motor bracket	Apr-18
SK 550 1.1	Firmware release 317.7	Sep-19
SK/GA	Software SK/GA One for all & One board planning	Dec-15
SK/GA	Firmware updates mixers & shakers	May-16
SK/GA	Firmware version GA-SK-MBV3_V315.1 for mixers and shakers	Jul-16
SK/GA	Complete control mixer/shaker with FFM Maintenance 2.1	May-17
SK350	New transformer in the SK350 paint shaker	Mar-15
SK350	Replacement motor for the SO20 shaker and early SK350 models	Mar-15
SK350	SK350 small modification	Jul-16
SK350	Alternative filter	Jun-18
SK350	Improvements and new control board	Sep-19
SK350,SK450, SK550	Update shaker range	Feb-14
SK350/450	New eight-groove pulley for SK350 & SK450 shakers	Jun-15
SK350/550 1.1	Additional flat surface on shaker spindle	May-19
SK450, SK550	improvements to clamp motor for SK450/SK550	Mar-15
SK550	Stronger belt and new pully to optimise usage of SK550	Jun-15
SK550 1.1	FFM maintenance SK550 1.1	Dec-15
SK550 1.1	Minor changes SK 550 1.1. : usb connection + link filter arrangement	May-16
SK550 1.1	SK550 1.1 - Wiring guide	Nov-16
SK550 1.1	Firmware version 317.5	Dec-18
SO20	Replacement motor for the SO20 shaker and early SK350 models	Mar-15
TM300	TM300 CE changes	Dec-15
TM300	New cap clip on pump tube	Oct-17
TM300	Allignment ring modified	Oct-17
TM300	Phase out	Sep-19
X-PROTINT	Firmware update V2.02.1	Apr-18
X-PROTINT	new power supply	Jun-18
X-PROTINT	Firmware version 2.04.5	Dec-18
X-PROTINT	Laser cut cross hair in can table	Jan-19
X-PROTINT	New Autodrive/new firmware release 2.04.9	May-19
X-PROTINT	New wheel cup	Sep-19
X-PROTINT/X-SMART	No more cobalt in stepper motors	Jan-19
X-SMART	X-SMART firmware upgrade for improved continuity	Jun-15
X-SMART	X-SMART software changes	May-16