

EQUIPMENT LIST

FEBRUARY 2021

Enquiries: JF@JGEquip.net



Article I. Preparation of sterile solutions

- 01-01. **Glatt IV preparation suite, 2009.** Consists of 2 x 2100 L preparation tanks, 1 x 100 L pilot reactor with jacket and magnetic stirrer and 1 x 500 L CIP tank. Installed, but unused.
- 01-02. **Civinox, 1997.** Tank for the preparation of sterile solution, volume 160 L, with jacket and magnetic stirrer, pressure 3 Bar.
- 01-03. **DCI, 2006.** Preparation tank, jacketed, with magnetic stirrer.
- 01-04. **Seitz KHS DP250, 1986.** Mixing tank with jacket, top driven mixer and pH meter, volume 320 L.
- 01-05. **Rieger, 2015.** Storage tank, volume 80 L.
- 01-06. **Schwarz Systems, 2016.** Mixing tank with bottom driven magnetic stirrer, volume 300 L. No jacket. Unused.
- 01-07. **APV PR, 2002.** Preparation tank for sterile solutions, volume 250 L.
- 01-08. **APV, 2002.** Storage tank, volume 250 L.

Article II. Washing/Cleaning machines

- 02-01. **5 off Fedegari FSW6, 2020. Washing machines for utensils. Dimensions 1000 x 1250 x 1000 mm (height). New and unused.**
- 02-02. **LANCER 1600 UPDP, 2004.** Washing machine for bottles and instruments. Used for for 250 and 450 ml bottles.
- 02-03. **ICOS LST 180, 2001.** Unit for washing, sterilisation and siliconisation of rubber bungs.
- 02-04. **Bosch RRU2020, 1999.** Washing machine for 1, 2, 5, 10 and 20 ml ampoules, speed 8,000 pcs/hr.

Article III. Sterilisation Equipment

- 03-01. **Bosch HQL 4220, 2020.** Sterilisation tunnel for ampoules and vials, capacity up to 22,800 pcs/hr. Free standing. New and unused.
- 03-02. **Sauter 15-6-9 HS2, 1999.** Steriliser for solid and liquid materials in open and closed containers, chamber volume 860 L.
- 03-03. **Fedegari FOWS2, 2014.** Hybrid washer & saturated steam autoclave, volume 430L. Unused.
- 03-04. **2 x Fedegari FOF4.9, 2020.** Saturated steam autoclaves, chamber 800 x 1250 x 1000 mm. New and unused.
- 03-05. **Fedegari XFOF5, 2010.** Steam steriliser, volume 3300 L.
- 03-06. **2 x Finn Aqua 9918-D, 1990 and 1996.** Steam sterilisers for solid materials. Volume 1660 L.
- 03-07. **Geringe HS4406 EM-2, B3211b, 2013.** Vacuum steriliser for solid materials and liquid in the open containers, chamber volume 133 L. Unused.
- 03-08. **Geringe GE 666 DMC-2, L 3203, 2013.** Steriliser for solid and liquid materials in open and closed containers, chamber volume 300 L. Unused.
- 03-09. **Geringe GE 6610 DRC-2, P3100, 2013.** Steriliser for solid materials, chamber volume 452 L. Unused.
- 03-010. **Geringe GE 6610 DRC-2, P 3203, 2013.** Steriliser for the decontamination of various materials, including liquid in open containers. Chamber volume 452 L. Unused.
- 03-011. **Fedegari FHC2/A, 2014.** Laminar trolley for sterilised products. Used with Fedegari FOF2.

EQUIPMENT LIST

FEBRUARY 2021

Enquiries: JF@JGEquip.net



03-012. Bosch SBM SDR 14.12.24/1, 2016. Sterilizer. Single door, 4000 L. Installed, but unused.

03-013. Fedegari FOF4 Thema, 1997. Steriliser for open containers. Volume 900 L.

Article IV. Filling of sterile solutions

04-01. Bosch high speed insulin cartridge line, 2015. The line consists of: **RRU 3125** washing machine (with Ultrasonic Bath), **HQL 3640S** Sterilization and depyrogenation tunnel (with sterilizable cooling section), **MLD 5120** Filling and Closing Machine, **ITP 5311** Isolator for Filling and Closing Machine, **ITP 8611** Panel Isolator, **ISS 1000 Bosch** Isolator - Quick Airlock. Speed 600 pcs/min, formats for 1,5 and 3 ml. Unused, packed in OEM crates.

04-02. Romaco bottle filling line, 2017. Consists of: Unscrambling unit for plastic bottles, **Macofar LVI6** liquid filling double Step machine with dropper + screw cap / ROPP, measuring cap machine **MBC100** + Lifting device **E15/AG**, Labelling machine **Pharma Energy 100**, **Promatic P91S** Cartoner with GUK folding unit and **NORDSON** hotmelt gluing unit and automatic stretch bunding machine with shrink tunnel **Christ FilmTech3010**. Formats for 20 and 125 ml plastic bottles, speed 6,000 pcs/hr. Unused.

04-03. Plumat FFS3000/1, 2009. Completely automatic form fill and seal machine for IV bags. Available format parts for 100, 250 and 500 ml IV bags. LF module included. Installed, but unused.

04-04. Plumat FLP 852, 2009. Filling and sealing line for pre-formed IV bags with one port. Formats for 100, 200 and 300 ml. Capacity 50 pcs/min.

04-05. Bosch ALF5080V, 2017. High speed machine for filling and plugging 2 ml vials. Linear type. Speed 600 pcs/min for 2 ml vials. 100% IPC control and tool-free changeovers. Unused.

04-06. Bosch ALK4080 + ISO, 1999. High speed machine for filling and sealing 5 ml ampoules with Bosch Isolator. Speed 24,000 pcs/hr.

04-07. MAR M54 PFS, 2019. Monoblock for filling syringes in trays. Unused and new. Max speed 5000 pcs/hr for 3 ml syringes. New and unused.

04-08. Bausch + Stroebel Ampoule filling line, 2000. Consists of: washing machine **B+S FAU 6000**, sterilisation tunnel **B+S DHT2550**, machine for filling and sealing of 1, 2 and 5 ml ampoules **B+S AFV6015**, capacity 18,000 pcs/hr.

04-09. Bosch nasal spray filling line, 1999. The line consists of: washer **Bosch RRU3042**, sterilization tunnel **Bosch HQL3240**, filling machine **Bosch FLP3060** and spray pump insertion capper **Bosch VRK4010**. Speed max 12,000 pcs/hr. Format for 10 ml vial. In production till Summer 2021.

04-010. Bausch+ Stroebel Ampoule filling line, 1995. Consists of: washing machine **B+S FAU6000**, sterilisation tunnel **B+S DHT 2580**, machine for filling and sealing of ampoules **B+S AFV 8025**, capacity 18,000 pcs/hr for 1 and 2 ml ampoules.

04-011. Bosch Strunck Universal filling line, 1978. Consists of: washing machine **Strunck RUR D04**, sterilisation tunnel **Strunck TLQ22**, machine for filling and sealing of 1, 2, 5 and 10 ml ampoules **Strunck AVR A02** and **Strunck CVF B01** plugging and crimping unit of 10 ml vials. Capacity up to 3,600 pcs/hr.

04-012. Rota R920, 1982. Ampoule filling machine, speed 3000 pcs/hr.

04-013. Bosch ALK3040, 1998. Ampoule filling machine for 1, 2 and 5 ml closed ampoules, speed 12,000 pcs/hr.

04-014. Rommelag BP460, 1986. Blow fill seal machine for 10 and 15 ml vials, 12 cavities per mould, speed up to 13,500 pcs/hr.

04-015. 2 x Rommelag BP460,. Blow fill seal machine for 5 ml ampoules, 20 cavities per mould, speed up to 22,500 pcs/hr.

04-016. Bausch + Stroebel SFM5072, 2004. Filling machine for nested syringes, 60,000 pcs/hr.

Article V. Powder Dosing / Freeze drying

05-01. ~~Bausch + Stroebel powder filling line, 2010.~~ The line consists of: washer ~~Bausch + Stroebel FAU6000~~, sterilisation tunnel ~~Bausch + Stroebel DHT3670~~, turn table ~~Bausch + Stroebel RTF1000~~, dosing of powder and plugging of vials ~~Bausch + Stroebel WPS5070~~, crimping machine ~~Bausch + Stroebel RVB4090~~ and 6 laminar flow modules ~~LFO9060-70~~. For 10R and 15R vials. Speed 15,000 pcs/hr. Unused- SOLD

05-02. Crioforma C400-11S, 2018. Freeze dryer with stoppering, SIP 123C, total shelves area 20 sq m. New and unused.

05-03. Edwards Lyomax, 1988. Freeze dryer with stoppering, total shelves area 8,6 sq m. Optional CIP at 103C. Supplied fully reconditioned with 12 months warranty.

EQUIPMENT LIST

FEBRUARY 2021

Enquiries: JF@JGEquip.net



- 05-04. Linde Getro (Germany) Freeze dryer, 1995.** Freeze dryer with stoppering, total shelves area 18,9 sq m. Pizza door, CIP and SIP. Ice capacity 360 kg.

EQUIPMENT LIST

FEBRUARY 2021

Enquiries: JF@JGEquip.net



Article VI. Stoppering, labelling and packing of ampoules and vials

- 06-01. **Klockner CP3, 2002.** Blister packer for syringes. Deep draw. Max speed 300 blis/min.
- 06-02. **CAM NMX/F, 2012.** Thermoformer for ampoules, speed 140 blisters/min, max filling depth 26 mm. No lidding. Formats for 2 and 5 ml ampoules. Unused.
- 06-03. **Harro Hofliger, 2009.** Insulin Pen labelling and transportation line. Speed 180 pcs/min.
- 06-04. **Romaco MBC150, 2012.** Measuring cup applicator/inserter. Speed 9000 pcs/hr. Unused.
- 06-05. **2 of Bausch + Stroebel ESA1025, 2009.** Labelling machine for 3 ml cartridges, speed 24,000 pcs/hr.
- 06-06. **Bausch + Stroebel ESF1020, 1991.** Labelling machine for vials, speed 24,000 pcs/hr.
- 06-07. **Bausch + Stroebel ESA1000, 1980.** Labelling machine for 1 and 2 ml ampoules, speed 12,000 pcs/hr.
- 06-08. **Bosch CUK1070A, 2000.** Complete ampoule/vial packaging into specially formed carton on one machine. Maximum capacity 120 folding cartons per minute. Format parts for 1, 2, 5 and 10 ml ampoules and 10 ml vials. Unused.
- 06-09. **Marchesini MA50, 2009.** Semi-automatic cartoner for blisters with ampoules. Speed from 15 to 50 blist/min.
- 06-010. **Avery Aver 8, 1998.** Cartoning machine for 250 and 450 ml bottles.
- 06-011. **Marchesini MA320, 2005.** Cartoning machine for plastic bottles with Nordson glue applicator.
- 06-012. **NERI SL200 2T/M, 2000.** Labelling machine for 250 ml oval bottle and 120 and 360 ml round bottle.
- 06-013. **Garvey, 2016.** Accumulating table. NEW and unused.
- 06-014. **Packing line for ampoules.** Consists of: Labeler for ampoules **Libra Sensitive AV, 1998**, blister packing machine **IMA PG TR102, 2008**, cartoning machine **IMA K150, 1998**, checkweigher **Bosch KWE3000, 1998**. Format part for 5 ml ampoules. In production till spring 2021.
- 06-015. **Marchesini PS510, 2013.** Case packer for bottles / cartons.
- 06-016. **Pester Pewo Form TLC2, 2012.** Case packer for glass bottles.
- 06-017. **Marchesini Neri BL600, 2010.** Labelling machines for 10 ml vials, speed 600 pcs/min.
- 06-018. **Rota RE200, 2007.** Labelling machines for 1, 2 and 5 ml ampoules, speed 12,000 pcs/hr.

Article VII. Inspection equipment

- 07-01. **CMP NIKE-LT, 2015.** Automatic inspection machine for the presence of mechanical impurities and leak detection of 2, 4, 5 and 10 ml ampoules, speed 24,000 pcs/hr. Available at the end of 2020.
- 07-02. **CMP SA18 L, 2015.** Automatic Inspection machine for lyophilised product with oxygen test. Formats for 2 ml, 5 ml, 10 ml, 12 ml, 20 ml, 20H ml. Max speed 18,000 pcs/hr.
- 07-03. **CMP CA24C, 2013.** Automatic inspection machine for dental cartridges. Function: automatic control of cosmetics (crimp, capsule, stopper), particles, defects of the glass, speed 24,000 cartridges / hour, for formats: 8.65 x 63 mm
- 07-04. **Bosch KLD1042, 2000.** Automatic leak detection inspection machine for 1, 2, 5 and 10 ml ampoules. Speed 24,000 pcs/hr.
- 07-05. **Brevetti ATM32/18, 2004.** Automatic inspection machine for cartridges. Function: automatic control of cosmetics (crimp, capsule, stopper), particles, defects of the glass. Speed: 10,000 cartr/hour.
- 07-06. **Seidenader PI30, 1998.** Automatic inspection machine for 1, 2 and 5 ml ampoules for mechanical impurities. Capacity 18,000 pcs/hr.
- 07-07. **Seidenader SI-40H 2006.** Automatic inspection machine for syringes. Capacity 24,000 pcs/hr.
- 07-08. **Seidenader SI20, 2000.** Automatic inspection machine for syringes. Capacity 12,000 pcs/hr.
- 07-09. **Brevetti ATM 18S, 1997.** Automatic inspection machine for ampoules for mechanical impurities. Speed 5,700 pcs/hr.
- 07-010. **GF CONDOR Duplex S, 2009.** Semi - automatic inspection machine for 5 and 10 ml ampoules and vials of diam. 20 and 24 mm for the presence of mechanical impurities. Speed 3,600 pcs/hr. 2 places for the operator plus 1 camera connected to PC.
- 07-011. **Seidenader SI30, 2008.** Automatic inspection machine for 1 ml long syringes for the presence of mechanical impurities. Capacity 18,000 pcs/hr.
- 07-012. **Eisai AIM277 SD, 1981.** Automatic inspection machine for 1 and 2 ml ampoules for the presence of mechanical impurities. Speed 12,000 pcs/hr.
- 07-013. **Bosch KLD1040, 1994.** Automatic leak detection inspection machine for 1 and 2 ml ampoules. Speed 12,000 pcs/hr.

EQUIPMENT LIST

FEBRUARY 2021

Enquiries: JF@JGEquip.net



- 07-014. Bosch KLD1042, 2008.** Automatic leak detection inspection machine for 1, 2, 5 and 10 ml ampoules. Speed 24,000 pcs/hr.

EQUIPMENT LIST

FEBRUARY 2021

Enquiries: JF@JGEquip.net



- 07-015. **GF, 2009.** Automatic inspection machine for mechanical impurities in 250 and 500 ml bottles. Speed 9,000 pcs/hr.
- 07-016. **Nikka Densok HDI-12-DL, 2008.** Leak detection machine for plastic ampoules. Speed 7,200 strips/hr.
- 07-017. **Rommelag 921, 1997.** Leak detection machine for plastic ampoules. Speed 1200 strips/hr.

Article VIII. WFI preparation / Clean Steam generators

- 08-01. **Steris Finn Aqua 2000-S-1, 1996.** Steam generator, capacity 1250 kg/hr, steam pressure @3 Bar.
- 08-02. **Stilmas MS304S + PSG 300 DTS, 1993.** WFI preparation + clean steam generator, capacity 300 kg/hr, steam pressure @ 3 Bar. UNUSED.
- 08-03. **Stilmas PSG45E, 2002.** Electrical steam generator, capacity 45 kg/hr with full set of validation documentation. UNUSED.
- 08-04. **Steris Finn Aqua 500-S-1, 2012.** Steam generator, capacity 150 kg/hr, steam pressure @3 Bar.

Article IX. Processing Equipment

- 09-01. **Hüttlin HTG 300, 2014.** Mixer - granulator, volume 300 L. UNUSED.
- 09-02. **Bohle GMA600, 2006.** Mixer - granulator, volume from 180 - 480 L.
- 09-03. **TK Fielder PMA400, 1993.** Mixer - granulator, volume 400 L.
- 09-04. **DE LAMA DLDR-Ex, 2004.** Static dryer. For powder and granules. Temp range 30 - 80C.
- 09-05. **Servolift lifter + Vacuumtransfer.** Product load 30 kg max. Manual move.
- 09-06. **Hutlin HGM250, 2004.** Mixer - granulator, volume 250 L, supplied with Servolift.
- 09-07. **V blender.** For dry material. Volume 948 L. Max rotation speed 20 rpm.

Article X. Tablet presses

- 10-01. **Manesty B4, 1999.** 25 stations, tablet diameter 16 mm, capacity 75,000 pcs/hr.
- 10-02. **IMA Kilian T300, 1996.** 32 stations, tablet diameter 16 mm, capacity 241,000 pcs/hr.
- 10-03. **Korsch PH230, 1992.** Tablet press.
- 10-04. **Fette Perfecta 3100, 1990.** 45 stations, tablet diameter 16 mm, capacity 468,000 pcs/hr with **Fette** Gratex deduster.
- 10-05. **Fette P1000, 1988.** 28 stations, tablet diameter 16 mm, includes new rotor.
- ~~10-06. **Manesty Diamond.** Tablet press. Awaiting details.~~
- 10-07. **Kramer E-80, 1999.** Tablet deduster.
- 10-08. **Kramer 2000, 1995.** Tablet deduster.
- 10-09. **LOCK 30+, 2004.** Metal detector.
- 10-010. **Manesty D4, 1997.** 20 stations, tablet diameter 25 mm, speed up to 25,000 pcs/hr.

Article XI. Coating equipment

- 11-01. **IMA HE/M 150 BT, 2004.** Tablet coating unit. Volume of the drum 150 L.
- 11-01. **Bohle BFC600 ATEX, 2013.** Tablet coating unit. Ex-proof. Volume of the drum from 400 - 980 L.

Article XII. Capsule filling machines

- 12-01. **IMA Zanasi 40F, 2014.** For pellets. Capacity up to 40,000 pcs/hr, change parts for sizes 1, 2, 3 and 4. Unused.
- 12-02. **MG2 Compact Level 1, 2000.** For powder and pellets. Capacity up to 24,000 pcs/hr, change parts for sizes 3 and 4.
- 12-03. **Bosch GKF330, 1978.** For powder. Capacity up to 15,600 pcs/hr, change parts for sizes 1, 2, 3 and 4.
- 12-04. **Bosch GKF 701, 2008.** For powder, formats 1,2,3 and 4. Used together with Pos.12-05.
- 12-05. **Bosch KKE 1700, 2008.** Checkweigher for capsules. Formats for 1,2,3 and 4.
- 12-06. **Zanasi AZ40, 1998.** For powder. Capacity up to 25,000 pcs/hr, change parts for sizes 0, 1, 2 and 3.
- 12-07. **MG2 G70, 2002.** Change parts for size 2 for powder and size 3 for pellets. Capacity up to 50,000 pcs/hr.

Article XIII. Packing of tablets and capsules

- 13-01. **Uhlmann UPS1070 + C4220, 2000.** Blister packing line for tablets. Speed up to 1200 blist/min.
- 13-02. **CAM PRX/1, 2015.** Cartoner for blisters, speed up to 120 pcs/min, prefolded leaflet inserter, provision for pharma code scanner, installed, but never used. Like New.
- 13-03. **Farcon FC420, 1993.** Blister packer, for PVC/Alu.
- 13-04. **Farcon FP 320, 1990.** Blister packer, for PVC/Alu and Alu/Alu blisters, 30 – 90 blisters/min, lots of format parts.
- 13-05. **Mediseal P1600, 2011.** Cartoner with blister infeed **Mediseal BIB-BOB** and labeller **Pago 6/2A 100.** Speed 150 cartons/min.
- 13-06. **Noack blister line.** Consists of: **Noack DPN760, 1992**, speed 240 blist/min and **Promatic P90, 1993**, speed 70 pcs/min.
- 13-07. **Elmach EPI3000FR, 2003 (India).** Blister packer, speed 300 pcs/min.
- 13-08. **Marchesini T400, 1998.** Machine for filling of effervescent tablets into rigid tubes, up to 100 pcs/min, diameter 25 mm.
- 13-09. **IMA PG TR100, 1997.** Blister packer for capsules, speed 150 blist/min. Formats for 00 and 1.
- 13-010. **IMA Rotovac 210PLUS, 2010.** Blister packer for capsules, speed 200 blist/min. Formats for capsules 2.
- 13-011. **IMA PG IC150, 2004.** Cartoner for blisters.
- 13-012. **Romaco Promatic AS300, 2002.** Blister packer for tablets, speed 300 blist/min.
- 13-013. **Romaco Promatic PC4200, 2014.** Cartoner for cartons into cartons, speed 250 pcs/min.
- 13-014. **IMA Libra SENS 300/TE, 2000.** Labeller for the carton and carton flaps, 3 heads.
- 13-015. **King TB4, 1989.** Capsule/tablet counter.
- 13-016. **King ISEC 150, 1990.** Push on capper, speed up to 150 pcs/min.
- 13-017. **REALjet / Laetus Code reader, 2012.** Code applicator and code reader.
- 13-018. **Domino A200, 2003.** Ink jet printer.
- 13-019. **GUK FA 21-4 S2-SVA 730, 2011.** Free standing leaflet folder.
- ~~13-020. **GUK FA21/4 S2 SVA/730, 2008.** Free standing leaflet folder. **SOLD**~~
- 13-021. **GUK Cartonac 91 FA21/4, 2004.** Leaflet folder.
- 13-022. **Pester Pewo Pack 450 Compact, 2005.** Bundling machine with shrink tunnel.
- 13-023. **Pester Pewo Pack 450, 2003.** Bundling machine with shrink tunnel.
- 13-024. **CAM ASB38, 2006.** Bundling machine with shrink tunnel.
- 13-025. **Marchesini FA10, 2014.** Stretch binder for cartons. Speed 50 pcs/min.
- 13-026. **Marchesini MC820, 2000.** Case packer, speed 400 blist/min - 250 cartons/min.
- 13-027. **Marchesini PS510, 2013.** Case packer, speed 10 cases/min.
- 13-028. **Proditex Visitab 2, 2004.** Inspection machine for tablets and capsules.
- 13-029. **Uhlmann E3025, 2000.** Bundling machine for cartons. Speed 30 pcs/min.
- 13-030. **Marchesini blister packing line for tablets and capsules.** The line consists of: blister packer **MB421, 1998**, cartoner **MA155, 1998**, checkweigher **Prisma, 2012** and case packer **CAM SMP, 2006.** Speed: 200 blist/min.
- 13-031. **Marchesini blister packing line for tablets and capsules.** The line consists of: blister packer **MB420, 1989** and cartoner **BA100, 1989.**
- 13-032. **Farcon FC420, 1997.** Blister packer for tablets, speed up to 50 cycles/min.
- 13-033. **IMA C90A95 blister packing line.** The line consists of: blister packer with integrated cartoner **IMA C90 A95, 2001**, with camera inspection system **Laetus Polyphem WT40, 2006**, checkweigher **Garvens S2 Laser, 2006**, tamper evident labeller **Neri BL400 VTE, 2009**, bundling machine **Pester Pewo Pack 450 Compact, 2006** and case packer **Pester Pewo Form UVP 2/5, 2006.** Speed: up to 400 blist/min.

Article XIV. Sachet filling / Suppository filling / Syrup filling

- 14-01. **FarmoRes suppository line.** Consists of: **FarmoDue FD22/U, 1994** suppository forming line for PVC alveoli and cartoning machine **Marchesini BA100, 1995.** Speed up to 22,000 pcs/hr. Can be used for Alu film.
- 14-02. **Bosch SIGPACK R8S-8 / K68, 2007.** Sachet filling machine. Speed 1000 pcs/min. Packed 2 gr in sachet of 50 x 80 mm.
- 14-03. **Marchesini sachet filling line.** The line consists of: sachet filler **Marchesini MS235, 1992**, cartoner **Marchesini MA50, 1992**, checkweigher **Mettler Toledo GS2, 1996**, transfer conveyor **Faber FlexMove FC105, 2015.** Speed: up 70 cycles / min.
- 14-04. **Mespack, 2008.** Stickpack unit to fill powder, speed 400 pcs/min.

EQUIPMENT LIST

FEBRUARY 2021

Enquiries: JF@JGEquip.net



14-05. Laudenberg FBM-20-LSD-20, 1996. Powder filling machine for stand up pouches.

14-06. 2 off Blazek PBM-X, 2005 and 2006. Stick pack machines to fill liquid in pyramid stick packs.

EQUIPMENT LIST

FEBRUARY 2021

Enquiries: JF@JGEquip.net



Article XV. Processing and packing of creams / ointments.

- 15-01. IMA Comadis** tube filling line, 2006. Consists of: tube filler for alu tubes **IMA Comadis C970** and cartoning machine **IMA K150**. Formats for tube diam. 19 and 25 mm. Speed 70 tubes/min.
- 15-02. Urlinski (Poland), MZUTL 80F-Ex, 2006.** Mixer – homogeniser, volume 80L, frame mixer with side scrapers, Ex-proof.
- 15-03. Urlinski (Poland), MZUTL 200F-Ex, 2006.** Mixer – homogeniser, volume 200L, frame mixer.
- 15-04. Urlinski (Poland), MGC 80FG, 2006.** Melting tank, max volume 120L, frame mixer with circulation pump.
- 15-05. Urlinski (Poland), ZB 200F, 2006.** Storage tanks, volume 200L.
- 15-06. Unipac 2589, 1996.** Tube filling machine for alu tubes of diam. 28, 35 and 40 mm.
- 15-07. OlsaMIX, 2018.** Mixer – homogeniser for creams, volume 100 L with pre-mixer of 50L and trilobe pump. New and unused.
- 15-08. Afinomaq IMB, 2007.** Filler and pilferproof capper, volume 150 ml. Speed up to 900 pcs/hr.
- 15-09. Hispamec.** Monoblock to fill, insert a dosing dropper and tamper evident closure. Format for 25 ml vial.

Article XVI. Miscellaneous Equipment

- 16-01. 7 off LH Bohle, 1999.** Dry material transfer bins. Volume 700 L.
- 16-02. Thimonier TD1000 modified to TD1500 in 2009.** Filling machine for DOYPACK® stand up pouches, 8 stations, used to fill powder for pouches with cap or zip pouches. Speed is around 40 pouches/ min.
- 16-03. 2 off IMA C23, 2006 and 2008. Tea bagging machines.** Pack herbal tea into filter paper bag, attaching thread with a paper clip and packing into outer paper envelope with label. 20 tea bags per carton. Excellent condition.

The list is just a selection of the machines we have for sale. Should you require additional information or do not see the machine you are looking for, please do not hesitate to contact our office on the numbers above, or e-mail: jf@jgequip.net or j.freimane@gmail.com