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WAKO

Focusing Production and Marketing of Filling Machines

WAKO & CO., LTD.
주식회사 와 코

WAKO

GREETING

(주)와코는 충전기계 (액체류, 크림류, 로션류, 장류, 소스, 비료 등) 제작 전문 기업 입니다.
30여년간 축적된 기술과 노하우로 다품종 소량생산 중소기업에 적합한 충전기계를 국내외 유수 식품, 제약, 화장품, 액체비료, 자동차 엔진 세척제, 기타 업계로 공급하고 있습니다.

For over 30 years, WAKO&CO., LTD. has been dedicated to making filling machines which are optimized for liquid, cream, lotion, source, fertilizer etc.
We specialized for small-quantity batch production and provide filling machines for both domestic and overseas companies dealing in foods, pharmaceuticals, cosmetics, liquid fertilizers and car engine cleaning material.

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Bottle Cleaner

Model : **WA-40-A**

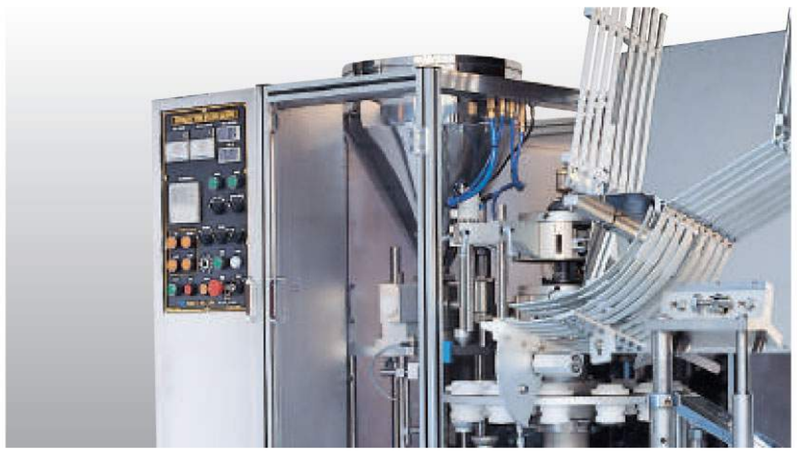
Application

ADOPTING IONIZING DEVICE, REMOVE AND CLEAN EVEN MINUTE DUST ORIGINATED BY STATIC ELECTRICITY. FIT TO ALL KINDS OF BOTTLE REGARDLESS OF ITS SHAPE.

이온화 발생 장치를 장착하여 정전기에 의해 발생한 미세한 먼지까지 (0.01㎛) 제거 가능하며 용기의 형태와 관계없이 사용가능.

Specification

- OUTPUT : 30-40 EA/MIN (MANUAL BOTTLE SUPPLY)
- FIT BOTTLE WAY IN SIZE : 6-80 mm
- FILTERING : 5㎛ , 1㎛ , 0.3㎛ , 0.01㎛
- BLOWING PRESSURE : 1,650mm.AQ
- AIR SUPPLY : 4-5 Kg/㎠
- ELEC. POWER : 220V, 3 Phase, 50/60Hz, 0.375kW
- DIMENSION (L.W.H) & WEIGHT : 670 x 630 x 1,000mm. 110 Kg



Filling Machine

Multi Purpose

Model : WFJ-S

Model : WFJ-S-A

Application

SUITABLE FOR FILLING PASTE, MAYONNAISE, SAUCE, SHAMPOO, DETERGENT AND GEL TYPE ROUND / ANGLED BOTTLES AND POUCH.

장유, 마요네즈, 소스류, 샴푸, 세제류, 젤 종류 제품 등을 원형, 각 형의 용기 및 파우치에 충전 하기에 적합

Specification

- OUTPUT : 25-30EA/MIN (FOR 400 ML FILLING)
- FILLING RANGE : 200-2,000 ㎖ (BY OPTIONAL CYLINDER)
- HOPPER : 120-170 LITER (USER OPTION)
- AIR SUPPLY : 4-5 Kg/㎠
- ELEC. POWER : 220V, 1 Phase, 50/60Hz, 0.4kW
- DIMENSION (L.W.H) : 1,600 x 950 x 1,670mm
- WEIGHT : 350 Kg

Application

SUITABLE FOR FILLING PASTE, MAYONNAISE, SAUCE, SHAMPOO, DETERGENT AND GEL TYPE ROUND / ANGLED BOTTLES AND POUCH.

장유, 마요네즈, 소스류, 샴푸, 세제류, 젤 종류 제품 등을 원형, 각 형의 용기 및 파우치에 충전 하기에 적합

Specification

- OUTPUT : 25-30 EA/MIN (FOR 400ML FILLING)
- FILLING RANGE : 200-2,000 ㎖ (BY OPTIONAL CYLINDER)
- HOPPER : 120 LITER (STANDARD)
- AIR SUPPLY : 4-5 Kg/㎠
- ELEC.POWER : 220V, 1 Phase, 50/60Hz. 0.4kW.
- DIMENSION (L.W.H) : 1,600 x 950 x 1,670mm
- WEIGHT : 500 Kg

※ OPTION : BAND SEALER FOR POUCH SEALING

Filling Machine

Air Pressure Type

Model : WFA-A

Model : WFA-B

Application

FOR BUBBLE GENERATING LIQUID FILLING - SOFT DRINK, MINERAL WATER, SOY SAUCE, VEGETABLE JUICE, SAUCE, LOTION, GLASS WASHER.

생수, 음료수, 간장류, 야채즙, 소스류, 로션, 워셔액등 거품 발생이 많은 제품의 충전에 적합.

Specification

- OUTPUT : 30-40 EA/MIN (FOR 120g LOTION FILLING)
- FILLING RANGE : 50-2,000 ㎖
- JAR DETECTING SENSOR PROVIDED
- UP & DOWN ADJUSTABLE FILLING NOZZLE
- AIR SUPPLY : 4-5 Kg/㎠
- ELEC.POWER : 220V, 1 Phase, 50/60Hz. 0.3kW
- DIMENSION (L.W.H) & WEIGHT
  2,000 x 650 x 1,500mm. 550 Kg (TYPE-A)
  750 x 650 x 1,500mm. 470 Kg (TYPE-B)

※ AIR PRESSURE TYPE TANK PROVIDED

Filling Machine

Liquid Vacuum Type

Model : WFV-A

Model : WFV-B

Application

SUITABLE TO FILL BUBBLE ORIGINATING FLUID - SKINS, FINE EXTRACTION, EYE DROP, LENS CLEANSING FLUID INTO PVC, PLASTIC AND GLASSWARE BOTTLES.

화장수, 스킨류, 정제된 엑기스, 콘택트렌즈 세정제 등 거품 발생이 많은 제품의 충전용. 용기는 프라스틱류, PVC, 유리병이 적합.

Specification

- OUTPUT : 40-48 EA/MIN
  (FOR 120g SKIN FILLING)
- FILLING RANGE : 50-2,000 ㎖
- AIR SUPPLY : 4-5 Kg/㎠
- ELEC.POWER : 220V. 1 Phase, 50/60Hz
- DIMENSION (L.W.H) & WEIGHT
  2,000 x 650 x 1,500mm. 380 Kg (TYPE-A)
  750 x 650 x 1,500mm. 300 Kg (TYPE-B)

Filling Machine

Gel Type Filling

Model : WFL-GEL-B

(HOPPER : 착탈방식)

Model : WFL-GEL-D

Model : WFL-GEL-C

Application

SUITABLE FOR FILLING LOW & HIGH VISCOSITY COSMETICS, FOODS AND CHEMICALS WHICH NEED OF NOZZLE TIP CUTTING AFTER FILLING SHAMPOO, HONEY, BEAN PASTE, KETCHUP, SAUCE GEL PRODUCTS ETC.

저,중점도의 화장품, 의약품, 화학약품 및 젤타입의 샴푸, 벌꿀, 케찹, 소스류등 충전 후 누액 제거를 위해 컷팅이 필요한 제품의 충전에 적합.

Specification

- OUTPUT : 20-25 EA/MIN (FOR 120g FILLING)
- FILLING RANGE : 20-600g (BY OPTIONAL CYLINDER)
- NOZZLE : MULTI STEP AIR CUTTING NOZZLE
- HOPPER : 90 LITER (STANDARD)
- AIR SUPPLY : 4-5 Kg/㎠
- ELEC.POWER : 220V, 1 Phase, 50/60Hz x 0.4kW
- DIMENSION (L.W.H) : 1,700 x 820 x 1,200mm
- WEIGHT : 250 Kg

Filling Machine

Liquid Filling

Model : WFL-M

SUPPLY TANK OPTION

Model : WFL-P-A

Application

FOR FILLING SMALL VOLUME LIQUID INTO SMALL BOTTLES - PERFUME, EYE DROPS, OIL LIQUID, SYRUP, LIQUID FERTILE ETC.

향수, 안약, 유액, 에센스, 현탁액, 액비료등 소량을 소형 용기에 충전하기에 적합.

Specification

- OUTPUT : 24-100 EA/MIN (BY 2 NOZZLE)
- FILLING RANGE : 1-250 ㎖ (BY OPTIONAL CYLINDER)
- AIR SUPPLY IS NOT REQUIRED
- ELEC.POWER : 220/380V, 1 Phase, 50/60Hz. 90Watt
- DIMENSION (L.W.H) & WEIGHT : 1,400 x 880 x 1,460mm. 150 Kg

Application

FOR FILLING MID & LARGE VOLUME OF SHAMPOO,DETERGENT,ADDITIVE,FERTILE, MOTOR OIL,RINSE,VISCOSITY LIQUID ETC.

샴푸, 세제류, 첨가제, 액비료, 자동차 오일, 섬유린스, 액체류 등의 중,대용량 충전에 적합.

Specification

- OUTPUT : 10-12 EA/MIN (FOR 4,200 ㎖ FILLING)
- FILLING RANGE : 500-5,000 ㎖
- FILLING BY SERVOMECHANISM MOTOR
- AIR SUPPLY : 4-5 Kg/㎠
- ELEC.POWER : 220V, 3 Phase, 50/60Hz. 4kW
- DIMENSION (L.W.H) & WEIGHT 4,000 x 1,000 x 1,985mm. 1,000 Kg

Filling Machine

Liquid Filling

Model : **WFL-P**

Application

SUITABLE FOR FILLING INTO SMALL/MEDIUM BOTTLE - SHAMPOO, DETERGENT, ADDITIVES, FERTILE LIQUID, OIL LIQUID ETC.

샴푸, 세제류, 첨가제, 참기름, 액비료, 유액등을 중,소형 용기에 충전하기에 적합.

Specification

- OUTPUT : 16-40 EA/MIN BY 4 NOZZLE (FOR 1,000 ㎖ FILLING)
- FILLING RANGE : 200-2,000 ㎖ (BY OPTIONAL CYLINDER)
- AIR SUPPLY : 4-5 Kg/㎠ (BY OPTIONAL AIR)
- ELEC.POWER : 220/380V. 3 Phase, 50/60Hz. 1.5kW
- DIMENSION (L.W.H) & WEIGHT : 2,350 x 880 x 1,010mm. 600 Kg
- TWO NOZZLE TYPE : OPTION

Jar Rotating

Model : **WFJ-20B-N**

Application

FOR FILLING ALL KINDS OF MID & HIGH VISCOSITY CREAM, JAM, DETERGENT INTO ROUND AND ANGLED BOTTLES.

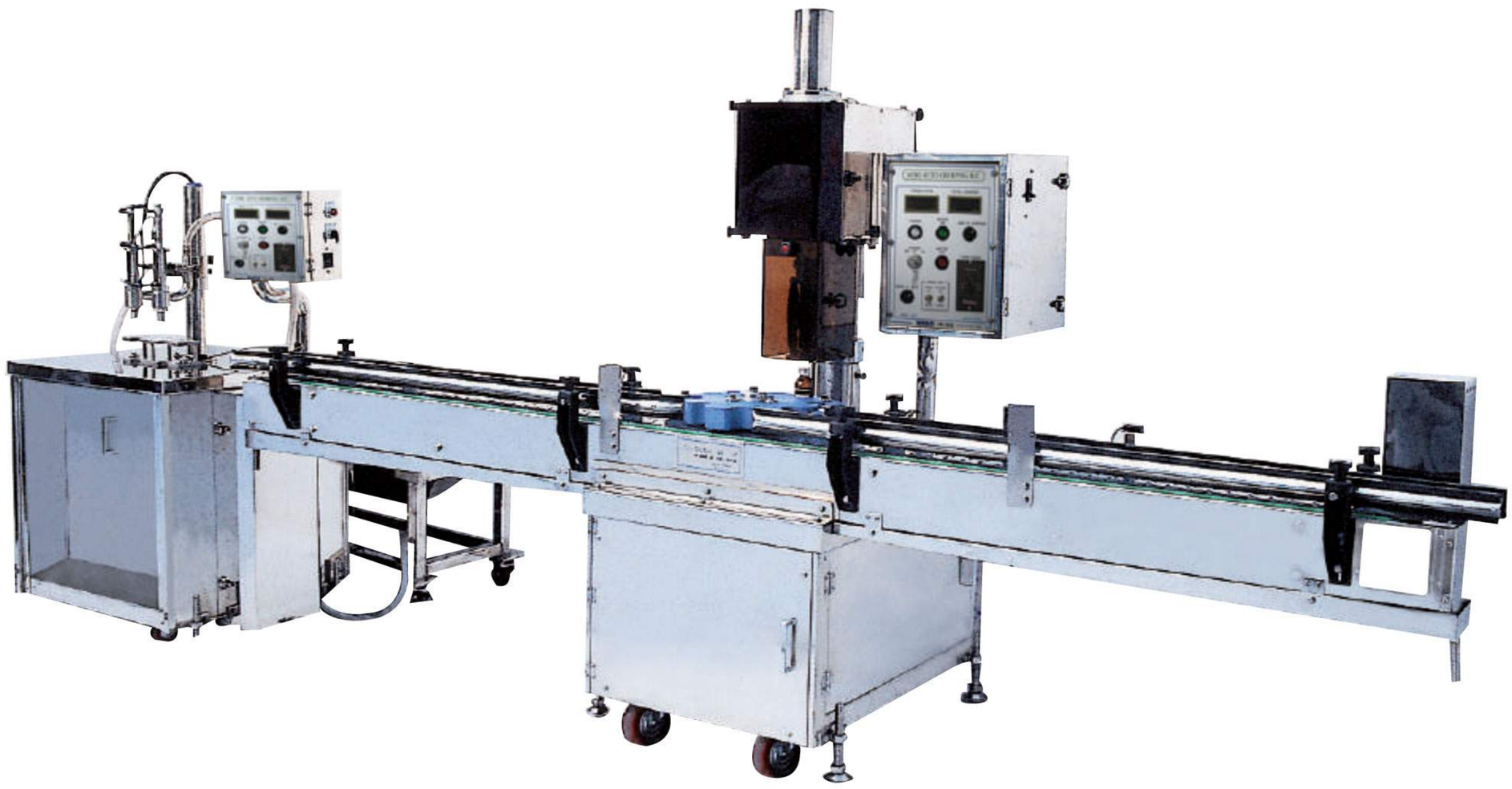
중점도의 화장품, 고점도의 크림류, 방향제, 쨈류 등을 원형,각형 모양의 용기에 충전하기에 적합.

Specification

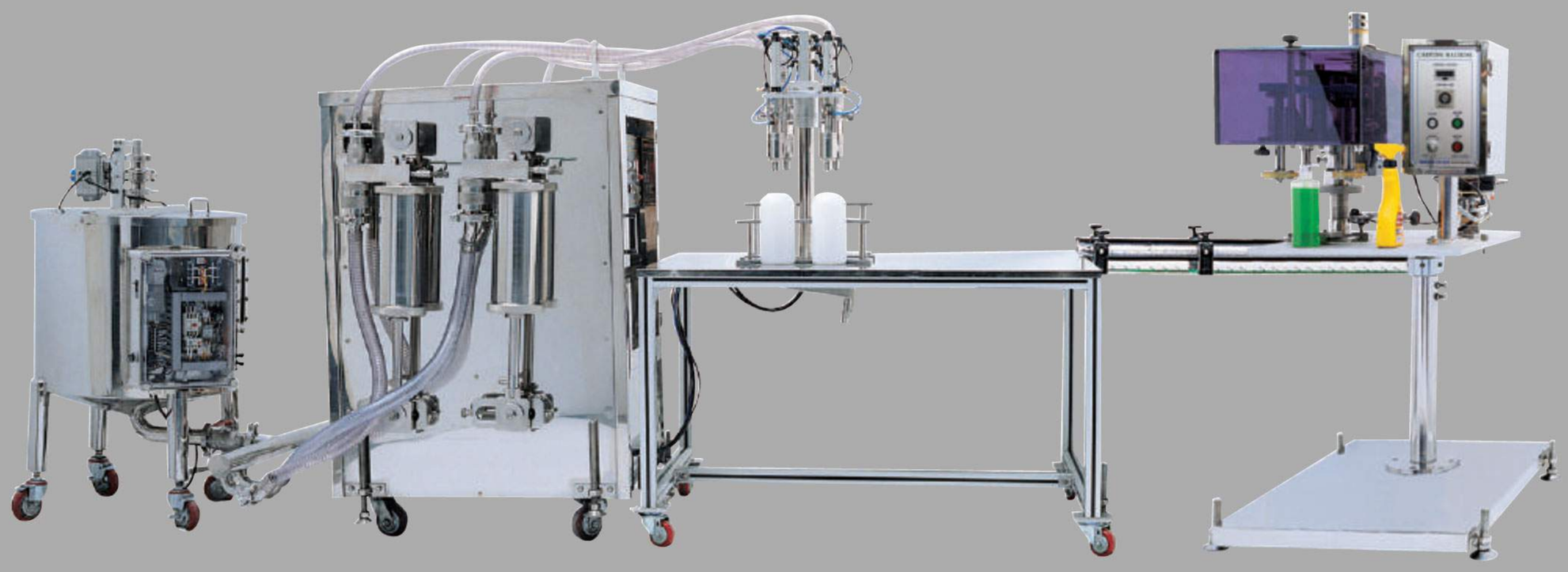
- OUTPUT : 25-30 EA/MIN (FOR 100g CREAM FILLING)
- FILLING RANGE : 30-500 g (BY OPTIONAL CYLINDER)
- LOW/HIGH SPEED ADJUSTABLE (0-900 RPM)
- FILLING NOZZLE : UP/DOWN SLIDING TYPE
- HOPPER : 90 LITER (STANDARD)
- AIR SUPPLY : 4-5 Kg/㎠
- ELEC.POWER : 220V, 1 Phase, 50/60Hz. 0.75kW
- DIMENSION (L.W.H) : 930 x 880 x 1,700mm
- WEIGHT : 370 Kg

Filling & Capping Machine

Model : **WFC-A**



Model : **WFC-S**



초음파 Tube Sealing Machine

Model : **WTSC-02**

Tube Filling & Sealing Machine

Model : **WSTAF-02**

Application

SEMI AUTOMATIC SEALING P.E, LAMINATED TUBE, TOOTHPASTE, COSMETIC, OINTMENT AND SPICES ETC.

치약, 화장품, 연고, 양념유 등을 P.E, 라미네이트 튜브 씰링에 적합.

Specification

- OUTPUT : 10-20EA/MIN
- APPLICABLE TUBE SIZE : 15-50mm (OUTDIAMETER)
  50-220mm (LENGTH)
- AIR SUPPLY : 4-5Kg/㎠
- DIMENSION(L.W.H) & WEIGHT :
  1,050 x 550 x 1,050mm, 70Kg

Application

FOR AUTOMATICAL FILLING AND SEALING IN PE AND LAMINATE TUBES - TOOTH PASTE, COSMETICS, OINTMENT, SPICES ETC.

치약, 화장품, 연고, 양념류 등을 PE,라미네이트 튜브에 자동으로 충전, 실링에 적합.

Specification

- OUTPUT : 30-50 EA/MIN
- FILLING RANGE : 10-250 g
  (BY OPTIONAL CYLINDER)
- APPLICABLE TUBE SIZE :
  15-50 mm (DIAMETER)
  50-220 mm (LENGTH)
- AIR SUPPLY : 4-5 Kg/㎠. 150 L/MIN
- ELEC.POWER : 220V, 1 Phase, 50/60Hz. 6.3kW.
- DIMENSION (L.W.H) & WEIGHT :
  1,700 x 1,300 x 1,900mm. 1,200 Kg

Filling Machine

Mascara Filling M/C

Model : WFA-M

Application

FOR STICKY AND GREASY GOODS FILLING INTO SMALL BOTTLE - HIGH VISCOSITY CREAM, MASCARA, FOUNDATION, EYE LINER ETC.

고점도의 크림류, 마스카라, 파운데이션, 아이 라이너 등을 소량 용기에 충전하기에 적합

Specification

- OUTPUT : 40-50 EA/MIN (FOR FILLING 20g MASCARA)
- FILLING RANGE : 5-55 g
- TOUCH AND FILLING SYSTEM
- FILLING VOLUME CONTROL : PISTON STROKE ADJUSTMENT
- ELECTRIC POWER IS NOT REQUIRED
- AIR SUPPLY : 4-5 Kg/㎠
- DIMENSION (L.W.H) & WEIGHT : 860 x 560 x 1,200mm. 250 Kg

Sample Filling M/C

Model : WFS

Application

FILLING SMALL QUANTITY OF HIGH VISCOSITY CREAM AND GEL GOODS INTO SMALL BOTTLE. SUITABLE IN LABORATORY AND TEST ROOM.

크림류의 고점도 제품, 젤타입 제품 및 견본용 다품종 소량 제품을 충전하기에 적합.

Specification

- OUTPUT : 30 ~80 EA/MIN (FOR FILLING 5g CREAM)
- FILLING RANGE : 3-55 g
- NOZZLE : CHECK VALVE SYSTEM
- FILLING VOLUME CONTROL : PISTON STROKE ADJUSTMENT
- HOPPER : 13 LITER (STANDARD)
- AIR SUPPLY : 4-5 Kg/㎠
- ELEC.POWER : 220V, 1 Phase, 50/60Hz. 0.3kW
- DIMENSION (L.W.H) & WEIGHT : 630 x 830 x 1,970mm. 70 Kg

Sample Filling M/C

Model : WFS-A

Application

FILLING SMALL QUANTITY OF HIGH VISCOSITY CREAM AND GEL GOODS INTO SMALL BOTTLE. SUITABLE IN LABORATORY AND TEST ROOM.

크림류의 고점도 제품, 젤타입 제품 및 견본용 다품종 소량 제품을 충전하기에 적합.

Specification

- OUTPUT : 30-60 EA/MIN (FOR FILLING 5g CREAM)
- FILLING RANGE : 10-70 g
- NOZZLE : CHECK VALVE SYSTEM
- FILLING VOLUME CONTROL : PISTON STROKE ADJUSTMENT
- HOPPER : 30 LITER (STANDARD)
- AIR SUPPLY : 4-5 Kg/㎠
- ELEC.POWER : 220V, 1 Phase, 50/60Hz. 0.3kW
- DIMENSION (L.W.H) & WEIGHT : 630 x 830 x 1,970mm. 70 Kg
- PLC PROGRAM

Multipurpose Capping Type

Vialcap Crimping

Model : **WAC**

Application

FOR MEDICINE, FOOD, COSMETICS BOTTLE
VIAL CAP CRIMPING(ALUMINUM)

의약품, 식품, 화장품 용기의 알루미늄 캡의 크림핑에 적합

Specification

- OUTPUT : 30-40 EA/MIN
- FIT BOTTLE WAY IN OUTER DIAMETER : 10-45mm
- OPERATION :
  6 STEP INDEX DRIVE BY CENTRAL
  CONTROL SYSTEM ON START BUTTON
- AIR SUPPLY : 4-5 Kg/㎠
- ELEC.POWER : 220V, 1 Phase, 50/60Hz.
  0.3kW
- DIMENSION (L.W.H) : 800 x 600 x 1,450mm
- WEIGHT : 150 Kg

Capping Machine

Model : **WC-T**

Application

FOR SCREW CAP AND TRIGGER (PUMP)
TYPE CAP CAPPING.

스크류 및 에어 건 타입 캡의 갭핑에 적합

Specification

- OUTPUT : 20-40 EA/MIN
- FIT CAP DIAMETER: 20-90mm
- FIT BOTTLE HEIGHT: 50-350mm
- BOTTLE DETECTOR PROVIDED
- TORQUE : 25 Kg/㎠
- AIR SUPPLY : 4-5 Kg/㎠
- ELEC.POWER: 220/380V, 3 Phase, 50/60Hz. 90 Watt
- DIMENSION (L,W,H) & WEIGHT :
  810 x 720 x 1,400mm. 150 Kg

Filling Machine

Liquid FIlling Machine

Model : WLFM-17

Application

FOR FILLING MID & LARGE VOLUME OF SHAMPOO, DETERGENT, ADDITIVE, LIQUID FERTILIZER, MOTOR OIL, FABRIC SOFTNER VISCOSITY LIQUID ETC.

삼푸, 세제류, 첨가제, 액비료, 자동차오일, 섬유린스, 액체류 등의 중, 대용량 충전에 적합.

Specification

- OUTPUT : 4-6EA/MIN (FOR 18 LITER FILLING)
- FILLING RANGE : 10-22 LITER
- FILLING TYPE : LOAD CELL
- AIR SUPPLY : 4-5Kg/㎠
- ELEC. POWER : 220V, 1PHASE, 50/60Hz, 0.6KW
- DIMENSION(L,W,H) & WEIGHT :
  2,300 x 1,000 x 1,950mm, 600 Kg

Model : WLFM

Application

FOR FILLING MID & LARGE VOLUME OF SHAMPOO, DETERGENT, ADDITIVE, LIQUID FERTILIZER, MOTOR OIL, FABRIC SOFTNER VISCOSITY LIQUID ETC.

삼푸, 세제류, 첨가제, 액비료, 자동차오일, 섬유린스, 액체류 등의 중, 대용량 충전에 적합.

Specification

- OUTPUT : 4-6EA/MIN (FOR 18 LITER FILLING)
- FILLING RANGE : 10-22 LITER
- FILLING TYPE : LOAD CELL
- AIR SUPPLY : 4-5Kg/㎠
- ELEC. POWER : 220V, 1PHASE, 50/60Hz, 0.6KW
- DIMENSION(L,W,H) & WEIGHT :
  1,550 x 550 x 1,750mm, 350 Kg

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