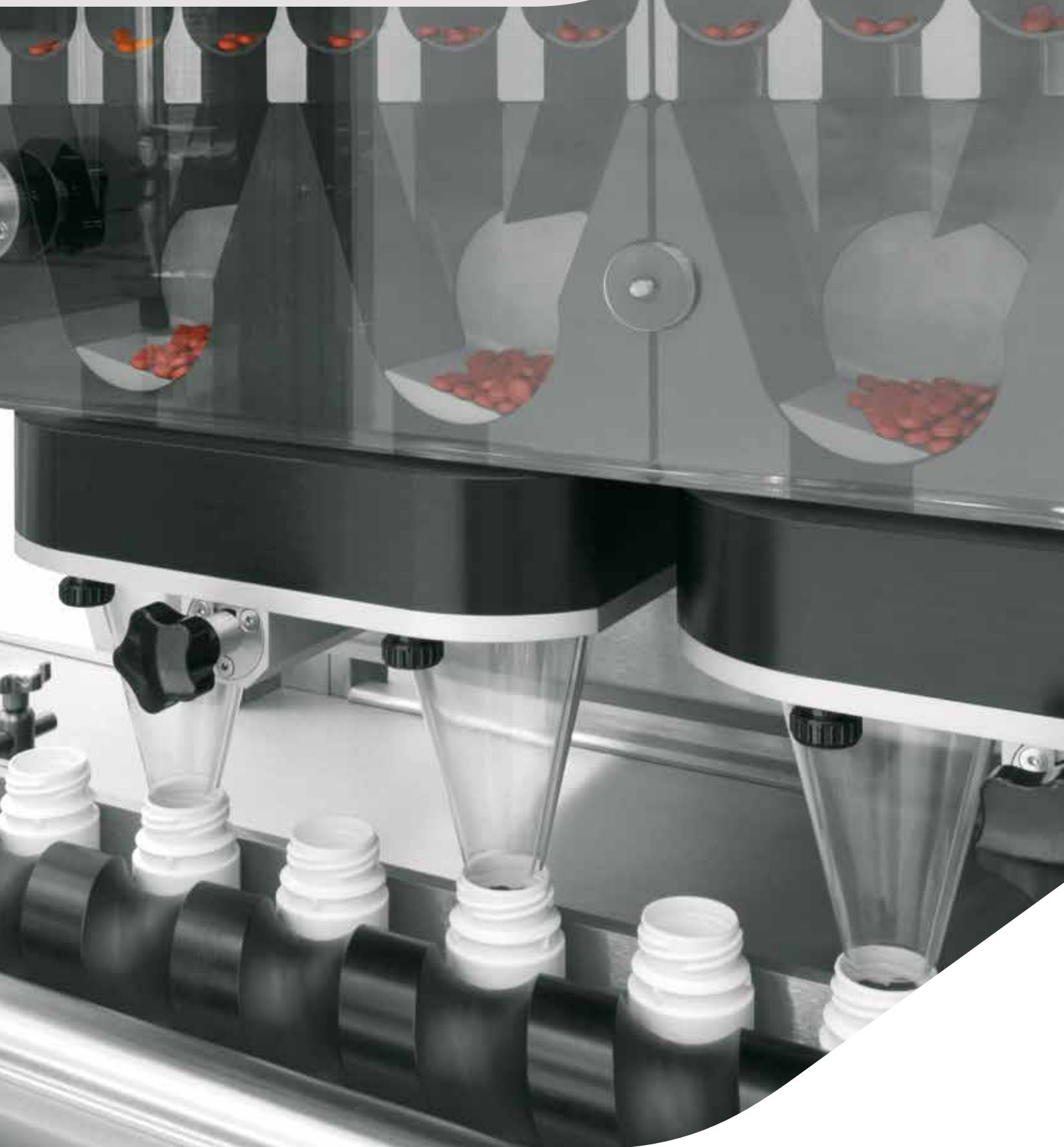


SWIFTPHARM 2

ELECTRONIC TABLET COUNTERS



TAKING ELECTRONIC TABLET COUNTING TO THE NEXT LEVEL

THE NAME SWIFTPACK HAS BEEN SYNONYMOUS WITH RELIABLE ELECTRONIC TABLET COUNTING AND INTEGRATION WITHIN THE PHARMACEUTICAL AND HEALTHCARE INDUSTRIES SINCE THE MID-EIGHTIES.

FROM THE SWIFTPHARM EXPERIENCE, OVER 80 MACHINES SUPPLIED, IMA SWIFTPACK DEVELOPED THE SWIFTPHARM 2. THE COUNTER AND INTEGRATED CONVEYOR ARE BOTH CONTROLLED FROM A SINGLE HMI. THE SYSTEM HAS A SMALLER FOOTPRINT AND INCREASED OUTPUT. IT IS EASIER TO CLEAN THANKS TO THE TABLE TOP DESIGN AND HAS QUICK CHANGE OVER COMPONENTS. INTEGRAL GUARD DESIGN. FOUR OR EIGHT HEAD VERSION.



SWIFTPHARM 2 SERIES COUNTERS

FEATURES OF THE NEW MACHINES INCLUDE:

- HIGHER OUTPUT IN COMPACT FOOTPRINT
- INTEGRATED COUNTER AND CONVEYOR
- INTEGRATED GUARD DESIGN LENDING TOWARDS HIGHER LEVELS FOR PRODUCT ISOLATION
- TABLE TOP DESIGN FOR IMPROVED CLEANABILITY
- THE SWIFTPHARM 2 COUNTERS ARE AVAILABLE IN EIGHT OR FOUR HEAD VERSION ON A SINGLE PLATFORM
- ELECTRONIC VIBRATOR FEEDBACK CONTROL
- NEW VIBRATORY TRAY DESIGN
- STEPPER MOTOR CONTROLLED ROTARY PRE-COUNT GATES WITH QUICK RELEASE
- HIGH ACCURACY. THE RESULT OF IMPROVED TABLET CONTROL
- SINGLE HMI TOUCH SCREEN CONTROL WITH 1000 PRODUCT MEMORY STORAGE DESIGNED TO BE OPERATOR FRIENDLY
- MOTORISED POWER LIFT TO CONTROL AND ADJUST FILLING HEIGHT
- PROVEN OPTICAL COUNTING TECHNOLOGY
- ELECTROSTATIC FIELD SENSORS (EFS) - OPTIONAL
- CAMERA SYSTEM - OPTIONAL
- MINIMAL PRODUCT CONTACT CHANGE PARTS REQUIRED (FILLING NOZZLES ONLY)
- CONTAINER CHANGE PARTS (FEEDSCREW AND REJECT STARWHEEL)
- 21 CFR PART 11 COMPLIANCE
- TOOL-LESS RELEASE OF PRODUCT CONTACT PARTS FOR QUICK AND EASY CLEANING
- DUST EXTRACTION PORTS
- OPTION TO REMOVE THE BOTTLE CONVEYOR FOR CLEANING PURPOSE



SWIFTPHARM 2-4



- THE SWIFTPHARM 2-4 MACHINE CONSISTS OF ONE COUNTING HEAD MOUNTED ON A SINGLE BASE
- EACH COUNTING HEAD AND TRANSPORT SYSTEM IS CONTROLLED THROUGH A SINGLE HMI
- CONTAINERS ARE PRESENTED TO THE COUNTING HEAD BY A SINGLE FEEDSCREW BOTTLE HANDLING SYSTEM
- PRODUCT IS FED FROM A BULK PRODUCT HOPPER AND SEPARATED USING AN ADVANCED VIBRATORY FEED SYSTEM. THE FEED SYSTEM IS DIVIDED INTO 4 SLICES, EACH WITH 3 LANES
- PRODUCT WILL THEN FALL THROUGH AN ARRAY OF INFRARED OPTICAL SENSORS (AS AN OPTION EFS AND CAMERA SYSTEM) AND BE DEPOSITED INTO AWAITING CONTAINERS VIA A DISCHARGE CHUTE AND FILLING NOZZLE
- THE BOTTLE HANDLING SYSTEM INCLUDES A POSITIVE REJECT MECHANISM



SWIFTPHARM 2-8



- THE SWIFTPHARM 2-8 MACHINE CONSISTS OF TWO COUNTING HEADS MOUNTED ON A SINGLE BASE
- EACH COUNTING HEAD AND TRANSPORT SYSTEM IS CONTROLLED THROUGH A SINGLE HMI
- CONTAINERS ARE PRESENTED TO EACH COUNTING HEAD BY A SINGLE FEEDSCREW BOTTLE HANDLING SYSTEM
- PRODUCT IS FED FROM A BULK PRODUCT HOPPER AND SEPARATED USING AN ADVANCED VIBRATORY FEED SYSTEM. THE FEED SYSTEM IS DIVIDED INTO 8 SLICES, EACH WITH 3 LANES
- PRODUCT WILL THEN FALL THROUGH AN ARRAY OF INFRARED OPTICAL SENSORS (AS AN OPTION EFS AND CAMERA SYSTEM) AND BE DEPOSITED INTO AWAITING CONTAINERS VIA A DISCHARGE CHUTE AND FILLING NOZZLE
- THE BOTTLE HANDLING SYSTEM INCLUDES A POSITIVE REJECT MECHANISM



SWIFTPHARM DEVELOPED TO MEET THE INCREASING DEMAND

SPEED

The SwiftPharm 2 is designed to provide 120 BPM or 12,000 products on the SwiftPharm 2-4 model and 240 BPM or 24,000 products on the SwiftPharm 2-8 model dependant on product size, shape and bottle neck diameter.

ACCURACY

Proven optical counting electronics provide the accuracy the industry demands. Electrostatic Field Sensors (EFS) is available as an option.

FLEXIBILITY

Ability to run most pharmaceutical, nutraceutical and healthcare products without product format parts to change.

EASE OF USE

Simple set up and with product memory to minimise product change over.

GMP DESIGN

The counter and integrated conveyor form a table top design allowing easy access for cleaning and quick changeover.

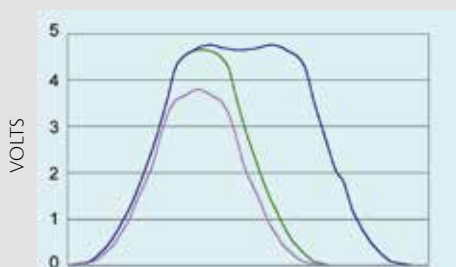


ELECTROSTATIC FIELD SENSORS (EFS)



Good Tablet

THE SENSORS WORK BY PRODUCING AND MEASURING AN ELECTROSTATIC FIELD. AS A TABLET PASSES THROUGH THE FIELD, A DISTURBANCE IN THE FIELD IS MEASURED.



Good Tablet Double Tablet Broken/Invalid Tablet

FOR HIGHER SPEED



FAST, ACCURATE, COMPACT, FLEXIBLE AND UNIQUE



1

1 The vibrator trays are 316L stainless steel. All the trays can be quickly removed without tools, using a unique mechanical system for optimum vibration characteristics and easy removal.



2

2 Stainless steel bulk product hopper is mounted on a hinge to swing away from machine for easy removal. The 2-piece construction ensures that components are light weight.



3

3 Proven container feedscrew system indexes containers beneath each of the filling nozzles per cycle.

4 The single integrated touch screen HMI gives 21 CFR part 11 compliance.

5 Once the machine front cover has been removed, the interchangeable pre-count and catch box gates plus the discharge chute simply slide from their mountings.

6 Non-conforming bottles are automatically rejected from the feedscrew by a vacuum reject starwheel to a dedicated area.



CLEANABILITY, THE ERGONOMIC DESIGN ENSURES THE HIGHEST LEVEL OF GMP

SALES AND SERVICES

A GLOBAL APPROACH TO CUSTOMER REQUESTS. PROMPT AND EFFECTIVE TECHNICAL ASSISTANCE THROUGHOUT THE ENTIRE LIFE-CYCLE OF THE MACHINE.

GLOBAL MANAGEMENT OF LINE MATTERS FOR COMPLETE LINES SUPPLIED BY IMA.

DIRECT INVOLVEMENT OF ENGINEERING DEPARTMENTS AS REQUIRED.

SERVICE

IMA machines incorporate the latest developments in technology and are designed to ensure the highest production efficiency with low maintenance.

To obtain top performance from our machines, IMA recommends **technical training courses** for personnel from Production (Operators, Technicians and Supervisors), R&D, Process Transfer Department and the Maintenance Department.

Training courses can be organized at IMA's site or at the customer's plant and are taught by qualified IMA technicians. These Courses are tailor-made and modular and are designed to fulfil each individual customer's specific needs. Basic, Intermediate and Advanced training modules can be applied and special attention is given to the customized units which are fitted on the client's specific machine.

These courses allow the customer's staff to operate the machine, maintain it in perfect working condition and explain how to carry out troubleshooting procedures in the easiest and fastest possible way.

IMA can also provide **course on improving O.E.E.** and increasing production levels which are very important objectives in the pharmaceutical industry.

To guarantee fast and efficient assistance and support, **RSA – Remote Service Assistance**, enables IMA to provide support via modem

and via tele-video conference. RSA enables an immediate analysis of the machine's status and working condition and can be of particular use in case if problems occur.

SPARE PARTS

The service of supplying original **IMA spare parts** fits completely with IMA's first-class maintenance service concept of taking care of the equipment as well as the customer's investment completely. The Spares Department has a very efficient delivery network, thanks to our Subsidiaries and Agencies, we are able to carry out deliveries of Spare Parts in the shortest time possible.

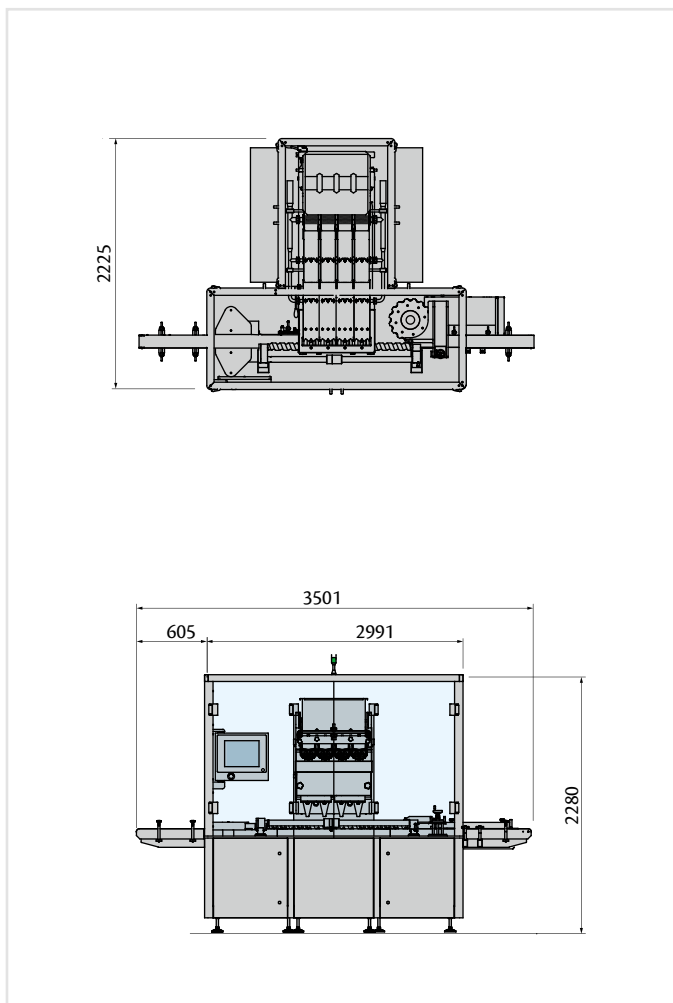
Extended to most of the IMA machine models, **My IMA Spare Parts** is your virtual shop window available 7 days a week, 24 hours a day intended to provide immediate replies to enquiries, price, delivery time, quotations and order status. All that you need in just a few clicks!

IMA SAFE provides prompt and effective **technical assistance** which covers the entire life cycle of its equipment. This assistance is provided by a dedicated team of experts able to meet our client's needs on a day to day basis. A customer oriented after sales service staff is what distinguishes IMA from the other manufacturers.

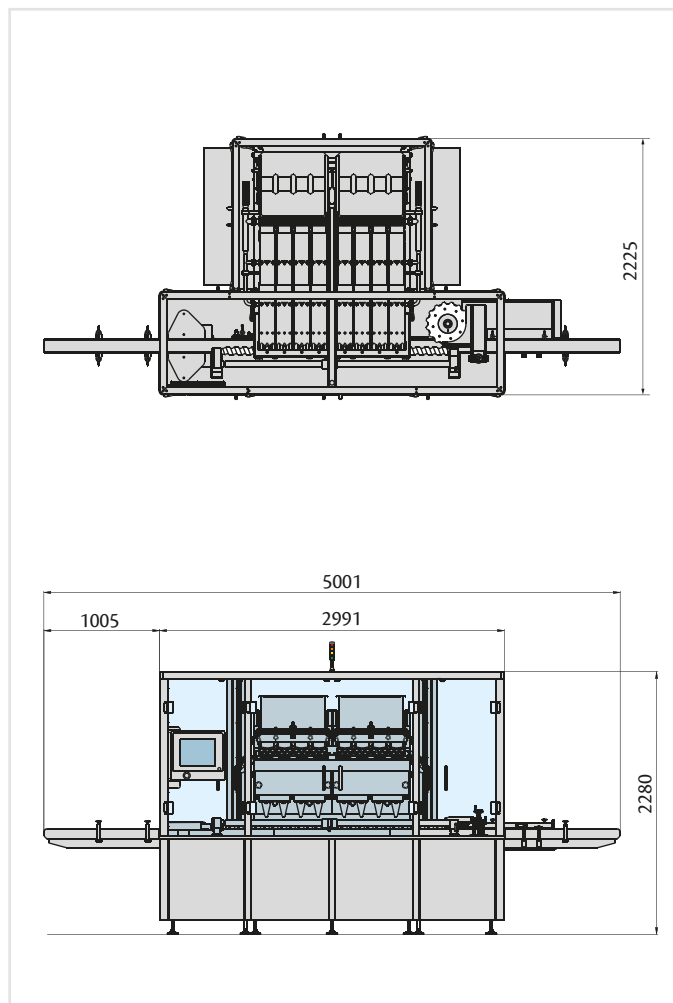


TECHNICAL DATA

SWIFTPHARM 2-4



SWIFTPHARM 2-8



	Swiftpharm (2-4)	Swiftpharm (2-8)
Production (subject to trial confirmation)	Up to 120 bpm or 12.000 tablets per min.*	Up to 240 bpm or 24.000 tablets per min.*
Container diameter range	25 mm - 100 mm	25 mm - 100 mm
Container height range	40 mm - 200 mm	40 mm - 200 mm
Hopper capacity	60 l	2 x 60 l
Bottle transport system	Height 915 mm + - 50 mm length 3501 mm	Height 915 mm + - 50 mm length 5001 mm
Power (2,5 Kw)	400V 3ph neutral + earth 50 Hz (2,5 Kw) 208V 3ph neutral + earth 60 Hz (2,5 Kw)	400V 3ph neutral + earth 50 Hz (2,5 Kw) 208V 3ph neutral + earth 60 Hz (2,5 Kw)
Weight	2000 Kg	3000 Kg
Contact parts	Generally 316L St/St + pharmaceutically approved materials	Generally 316L St/St + pharmaceutically approved materials

*Depending upon product and container size and shape

www.ima-pharma.com



SWIFTPACK AUTOMATION LTD

3 Arden Road, Arden Forest Industrial Estate, Alcester, Warwickshire B49 6HN, United Kingdom.

Tel: +44(0)1789 400880 • Fax: +44(0)1789 400780

www.ima.it

