

NEXTGEN FILLING TECHNOLOGY

FOR FLEXIBILITY,
SPEED, RELIABILITY & EFFICIENCY



FLEXPRESS
10000

WHY FLEXPRESS 10000

Revolutionizing the concept of aseptic liquid filling, 'Uflex Group the only Indian OEM to manufacture aseptic liquid packaging solutions presents Asepto Flexpress 10000 with state of the art filling technology & countless new benefits.

Flexpress 10000 is fast, flexible, efficient, reliable and is engineered with a number of new benefits and innovations which can deliver 10000 portion packs per hour and comes with fully integrated change over technology which can accommodate portion packs from 100ml - 200ml.



SERVO BASED
MECHANISM



OPERATOR
FRIENDLY HMI



QUICK
CHANGEOVER TIME



HIGH
FLEXIBILITY

KEY HIGHLIGHTS



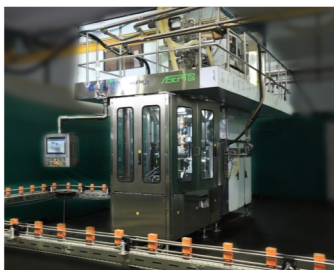
Quick Changeover
Time



High Efficiency Output
With Minimal Machine Downtime



Optimum For Packaging
Dairy & Dairy Alternatives / Beverages/
Alcohol/ In Portion Packs.



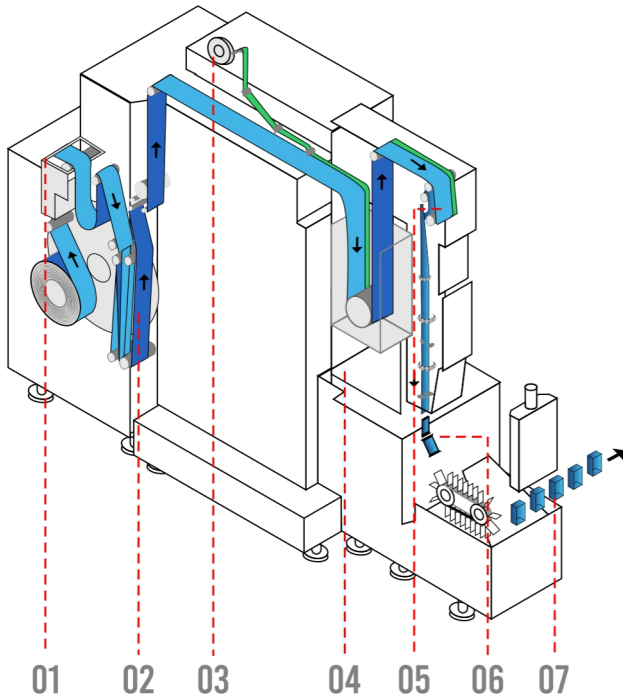
High Speed Machine
10000 Packs per hour



Servo - Based
Drive Mechanism



Advance Integration
With PLC



FILLING LINE PROCESS

A modern - day marvel, Flexpress 10000 an aseptic liquid filling machine with state-of-the-art technology brings along the convenience of an All-in-One portion pack filling facility.

MAGAZINE

Supplying packaging material during splicing process so that machine doesn't stop and runs continuously.

PEROXIDE BATH

PM will be sterilized in Peroxide bath

JAW SYSTEM / DRIVE SYSTEM

It transversally seal the PM& convert them to separate packages. The sealing is made by induction heating.

AUTOMATIC SPLICING UNIT

The Automatic Splicing Unit can upload up to two reels. This reduces the human operational error, thereby increases efficiency.

STRIP APPLICATOR

The strip applicator applies a sealing strip intentionally on the inside of PM.

ASEPTIC CHAMBER

Peroxide will be removed with heated air and PM will be formed into a tube sealed longitudinally, ready for filling the product.

FINAL FOLD

PM gets its final shape. Fins get folded, Flaps are sealed and takes its final shape.

ALL IN ONE

FLEXIBILITY TO CHANGE MULTIPLE FORMATS OF PORTION PACKS

QUICK FORMAT CHANGEOVER		
FOR CHANGE WITHIN GROUPS	ESTIMATED TIME TAKEN	PROCESS CHANGE
100ml to 125ml	3 hrs - 4 hrs	Jaw System
160ml to 200ml	3 hrs - 4 hrs	Station Change
		Final Folder
FOR CHANGE OUTSIDE GROUPS		
100ml to 160ml/200ml	12 hrs -14 hrs	Forming Ring
125ml to 160ml/200ml	12 hrs -14 hrs	Filling Tube
160ml to 100ml/125ml	12 hrs -14 hrs	Jaw System
200 ml to 100ml/125 ml	12 hrs -14 hrs	Station Change
		Final Folder



200ml

160ml

125ml

100ml



If you are a **Aseptic Liquid** beverage manufacturer and want a compact **All-in-one** liquid filling line then your wait ends here.

01

Recipe Selection

02

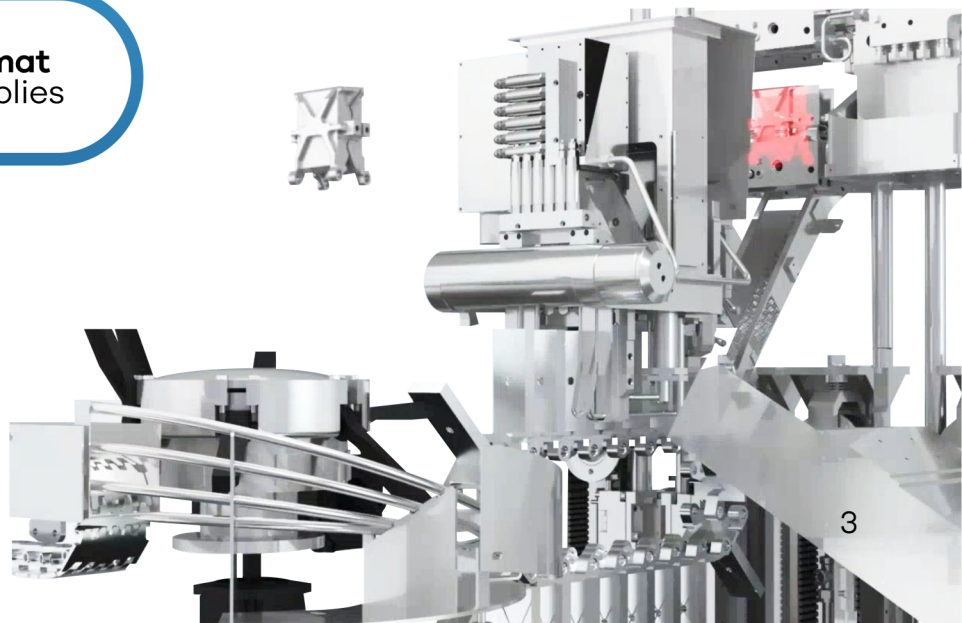
Mechanical Format Pack Change

03

Change Of Format Specific assemblies

04

Start Production



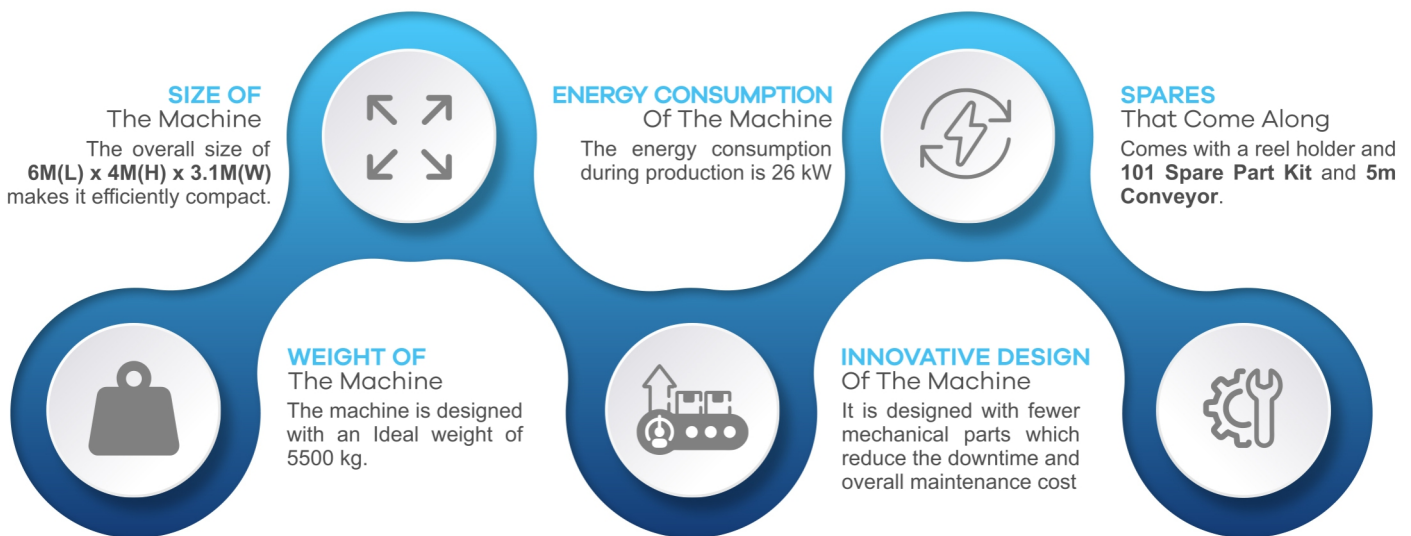
ASEPTIQ
FLEXPRESS
10000

MACHINE KNOW ABOUTS



FlexPress 10000

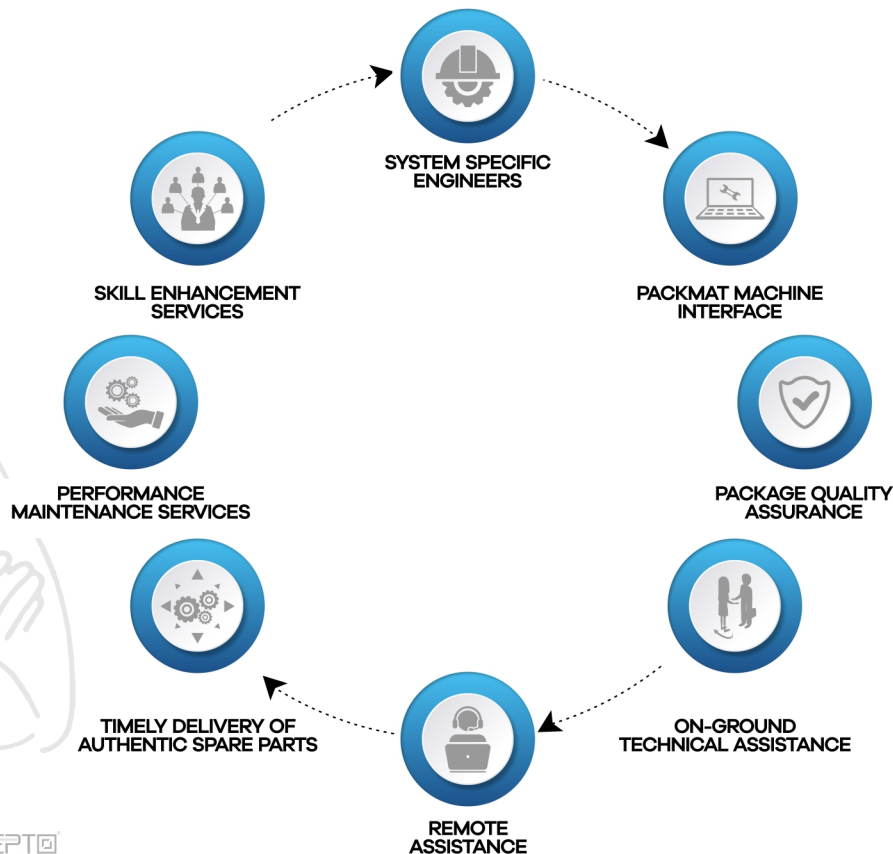
Is designed with perfection to stand out on performance.





WE UNDERSTAND YOUR EVERY MINUTE IS PRECIOUS

- ❑ Providing round-the-clock technical assistance in 12 countries to ensure operational continuity
- ❑ A team of 75 engineers spread across geographies to assist respective clients
- ❑ Be it machine integration, quality assurance, or requirement of authentic spare parts, the team of Asepto Pro completes the task within earliest-possible timeframe
- ❑ Asepto aims for complete customer satisfaction, Asepto Pro helps achieve it with authority



MACHINE SPECIFICATIONS

CAPACITY	
Packages per hour	10000
Package volumes (ml)	See table
ELECTRIC POWER	
Type, Frequency Hz, Voltage V	3 ϕ AC,N,E,50,400 (+/-5V)
Consumption during Preheating - 1, kW	7
Consumption during Preheating - 2, kW	26
Consumption during Tube Sealing, kW	22
Consumption during Preheating - 3, kW	35
Consumption during Drying, kW	30
Consumption during Production, kW	26
COMPRESSED AIR	
Supply pressure, (bar)	6 - 7
Consumption, CFM	70
Max particles, micron (required)	20
Max particles, mg/m3 (required)	25
Dew point °C	3
Oil content, mg/m3	0.01
COOLING WATER	
Supply pressure, (bar)	4 - 4.5
Max. inlet temperature, °C	15-18
Consumption, l/min*	9- 10
pH	5 - 8
* of the total consumption, approx. 5 L can be re - circulated	

HYDROGEN PEROXIDE H2O2	
Type	35% Aseptic grade
Consumption L/H	2-2.5
PRODUCT	
Supply pressure bar	0.5-3.5
Maximum pressure fluctuation bar	0.5
pH	2.5-8.0
Filling temperature	5-40
Citrus fibers	< 5%
Particles	Absent
EXTERNAL CLEANING	
Supply pressure bar	3-4.5
Hot water consumption liter / cycle	300
Hot water temperature °C	60-70
Special detergent consumption liter / cycle	1.0
Detergent pH	8-12
CLEANING IN PLACE CIP	
Inlet Pressure - Bar	3.5
Maximum Flow L/H	8000-10000

AIR / INERT GAS INJECTION AVAILABLE AS OPTION			
Based on application, approx. 10% (By Volume) of the Space can be filled with Sterile Air or with Inert Gas (Nitrogen).			
FILL VOLUMES POSSIBLE WITH FORMAT PARTS AND ADDITIONAL CHANGE OVER KIT & CAPACITY			
100 ml (Base)	8500 PPH		
125 ml (Slim)	8500 PPH		
160 ml (Slim)	9000 PPH		
200 ml (Slim)	10000 PPH		
DIMENSIONS OF PACKAGES			
Asepto Brick Pack Volumes	Dimensions, mm		
cm3 (ml)	h	t	w
100 Base Pack	69.3	32	47
125 Slim Pack	86	32	47
160 Slim Pack	93.5	38	47
200 Slim Pack	119.3	38	47
Splicing table provided for joining packaging material during roll change over.			
STEAM			
Supply pressure (Bar)	1.7		
Max pressure fluctuation (Bar)	+/-0.3		
Temperature °C	130+/-4		
Consumption Kg/H	3		

LUBRICATION	
Consumption ML/H	90-100
AMBIENT TEMPERATURE	
Minimum ambient temperature	05
Maximum ambient temperature	50
Recommended ambient temperature	20-26
Noise level Sound dB	<80
Thermal Load	Approx. 15.0 kW \pm 1.0 kW
SPECIAL FEATURE	
Automation & control system	SIEMENS
Pneumatic control system	CAMOZZI
Operating system	SIEMENS
Eye mark correction (Service)	SIEMENS
Temperature control thru electronic system	SIEMENS
Display of filling & pack design (For ease of correction)	ON HMI
Hydraulic system & control	VICKERS
OPTIONAL ITEMS	
Tools for Operation and Maintenance	
Templates for Machine Setting	
CIP System with Full Automation	
Ink jet printer	
ASU (Automatic Splicing Unit)	
HI Kit	



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