



ADVANCED TOOLING SYSTEMS UK

# Advanced Packaging Industry Solutions



 **4.0**  
INDUSTRY  
*Change is now*

# Liquid Filling Machines

## Industries Served

- Petro-Chemical
- Agro-Chemical
- Household Goods
- Personal Care
- Food & Beverage



## Filling Technologies

- Volumetric Displacement
- Flow meter for Hygienic Applications
- High Accuracy Weigh-Filling
- Rotary Gear Pump
- Integrated Clean in Place Systems

## Machine Types

- Bench Top
- In-line Linear
- Twin Track Linear
- On the Move / Walking Beam
- High Speed Rotary
- Drum Filling
- Monobloc – cleaning / filling / capping
- All available as Atex Certified



# Capping Machines



## Industries Served

- Petro-Chemical
- Agro-Chemical
- Household Goods
- Personal Care
- Food & Beverage
- Pharmaceutical
- Cosmetic

## Cap Tightening Technologies

- Magnetic Hysteresis Clutch Control
- Standard bi-Servo Motor Control
- Advanced Calibrated Torque Sensor Control
- Roll-On-Pilfer-Proof
- Ultrasonic Welding
- 'Track & Trace' Data Acquisition Systems



## Machine Types

- In-line Linear
- Twin Track Linear
- On the Move / Walking Beam
- High Speed Rotary
- Monobloc – cleaning / filling / capping / sealing
- All available as Atex certified



# Turnkey Projects & Format Change Parts

## Industries Served

- Petro-Chemical
- Agro-Chemical
- Household Goods
- Personal Care
- Food & Beverage
- Pharmaceutical
- Cosmetic



## Equipment Supplied

- Container Change-parts
- Replacement Tightening Clutches
- Capping Chucks
- Cap Sorting Tooling



## A Global Footprint

The Advanced Tooling Systems Group of companies has been supplying innovative and leading edge machinery around the globe since 1979. With 3-manufacturing sites in the South East of England and employing over 75-people our award winning manufacturing capabilities ensure your product is produced to the highest standard (ISO9001).

The ATS Packaging division specialises in the design and manufacture of packaging line machinery for the household goods, personal care, agro-chemical, petro-chemical, food & beverage, cosmetic and pharmaceutical sectors.

**Maidstone HQ**  
28,000 Sq Feet

**Tooling Facility**  
17,000 Sq Feet

**Moulding Facility**  
18,000 Sq Feet

81 Employees  
Total





## FEEDING SOLUTIONS FOR THE COSMETIC & PHARMACEUTICAL SECTOR

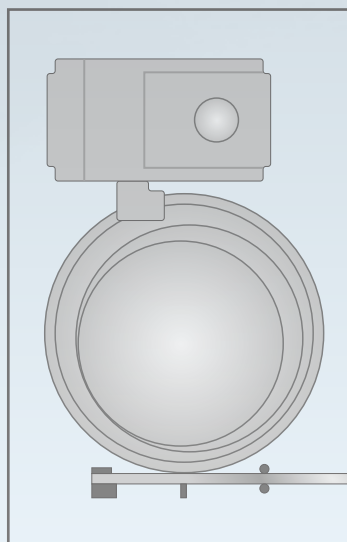
At ATS we are experts at providing solutions to feed and position parts from the cosmetic and pharmaceutical sectors.

Our experience enables us to detect the specific needs that our customers and their production lines have and offer the best solution to each need.

Innovation is part of our DNA. Our team works constantly to develop improvements and state-of-the-art solutions, making our clients' work easier and much faster.

We work close to our customers from the embryonic phase of the project to the implementation of the production line. Our customer services department then takes charge of maintaining and improving the systems as required.

### BOTTLES AND CONTAINERS



### REMOTE MANAGEMENT

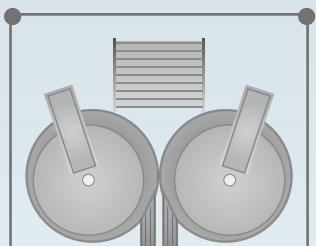


### UNSCRAMBLERS FOR PLASTIC BOTTLES AND CONTAINERS

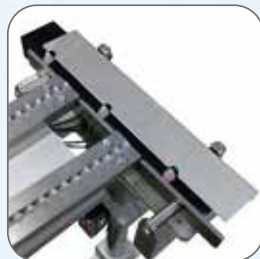
- Robot + vision
- Unscramblers for plastic bottles and containers
- Tube positioning system
- Multiple format system without air
- Step feeder
- Vibratory system
- Turn table



**PUMPS, VALVES, TRIGGERS,  
DISPENSERS, STOPPERS AND  
ACTUATORS**

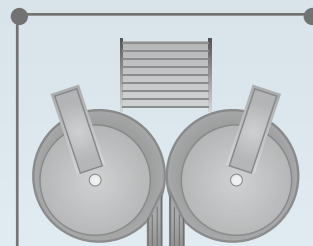


**SEPARATION  
TOOL SYSTEM  
PICK & PLACE**



**INSERTION IN THE  
PRODUCTION LINE**

**CAPS**



**TURN TABLE**



**FEEDING SYSTEMS FOR  
PUMPS, VALVES, TRIGGERS,  
DISPENSERS, STOPPERS, AND  
ACTUATORS**

- Robot + vision
- Mechanical system
- Vibratory system

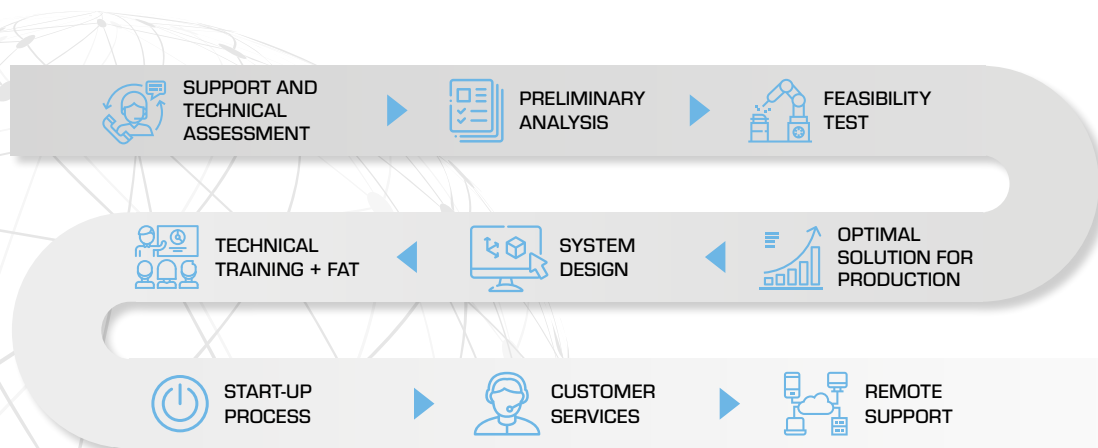
**FEEDING SYSTEMS FOR  
CAPS**

- Centrifugal system
- Alveolar mechanical feeding system
- Waterfall feeder system
- Vibratory system



## HOW WE WORK

ATS manage projects and offer global assessment to position all kinds of parts.



# UNSCRAMBLERS FOR PLASTIC BOTTLES AND CONTAINERS

We are specialists in positioning plastic bottles and containers from 3 to 750 ml.

Different technical solutions are available depending on the production requirements of the customers and the type of container to be fed.

## GENERAL CHARACTERISTICS:

- Compact, small-sized equipment.
- Ready for sterile filling solutions.
- Multi-format systems.
- SMED formats.
- Built as per FDA, CGMP, CE, UL and EX regulations.



## smartfeeder

### FLEXIBOTTLES

**4.0 application where is required quick format changes.**

- Compact, flexible and versatile.
- Highly technological solution.
- Easy to use through and HMI screen.
- Remote connection for technical assistance, adjustments and programming.
- Output up to 40 pieces per minute.
- Noise level < 70 db.



## BOTTLE UNSCRAMBLERS

### UNSCRAMBOTS

**Our flagship unscrambler for plastic bottles: compact, flexible, multi-format and versatile.**

- Output from 30 to 250 units per minute.
- Vertically placed containers.
- Remote control through PLC to monitor the right running of machines.
- Remote management for PLC.
- Available in two types of finishing: standard and sterile.



## UNSCRAMBLER FOR TUBES AND DELICATE CONTAINERS

### ELBOTS

**Focused on delicate and unstable containers.**

- Output up to 70 units per minute.
- Output position: vertical.
- For unstable containers cosmetic tubes.
- Highly careful, avoiding damage to the containers during the feeding process.
- Multi-format.
- Multi-track.
- Silent and versatile.



### FEEDER TUBES

**The right solution for cosmetic and pharmaceutical tubes that requires high output speeds in the production lines.**

- Ideal for unstable containers and cosmetic tubes that have a small diameter.
- Multi-format.
- Output position: vertical.

## UNSCRAMBLERS FOR STERILE FILLING LINES

**Sterile feeding systems for ophthalmics containers.**

- Output up to 100 pieces per minute, 1 or 2 outlets.
- Containers from 3 to 30 ml.
- Containers placed stand up.
- Ready for sterile filling solutions.
- Compact turnkey solution.



## TURN TABLE

**Infeed and outfeed turn table with current designs and high precision. Compact, available in different sizes and formats, quality finishing and variable speed.**

- Different formats available.
- Finishing and materials in accordance with AISI304, AISI316L requirements.
- Different configurations to minimize format change time.



### Optional elements:

High capacity, autonomous systems and soundproof booths.



# FEEDING SYSTEMS FOR PUMPS, VALVES, TRIGGERS, DISPENSERS, STOPPERS AND ACTUATORS

We are specialists in developing solutions to feed all types of pumps and triggers, considering the needs of each application, dealing with parts with the utmost care, and preventing them from getting damaged during the feeding process.

## GENERAL CHARACTERISTICS:

- Multi-format system.
- Ready to use in cleanroom environments and under laminar flow.
- High capacity production without damaging the parts.
- Built as per FDA, CGMP, CE, UL and EX.



## smartfeeder

### FLEXIPUMPS

**4.0 application where is required quick format changes.**

- Compact, flexible and versatile.
- Highly technological solution.
- Easy format change through an HMI screen.
- Remote connection for technical assistance, adjustments and programming.
- Output up to 40 pieces per minute.
- Noise level < 70 db.



## VIBRATORY FEEDING SYSTEMS

### BOWL PUMPS

Traditional system with an industrial mindset.

- Output up to 100 units per minute.
- With special coating to prevent the pieces from getting scratched.
- Turnkey solution.
- Multi-format system.



## MECHANICAL SYSTEMS

### FEEDER PUMPS

Multi-format solution for the most demanding applications that require work at high capacity and correctly oriented pumps.

- Output up to 160 units per minute.
- Multi-format system.
- Pieces oriented in a single position.
- Quick and optional changes in format through an HMI screen.

#### Optional elements:

High capacity, autonomous systems and soundproof booths.



# FEEDING SYSTEMS FOR CAPS

We specialize in developing solutions for orienting various types of caps, considering the needs of each application, dealing with parts with the utmost care and preventing damage during the feeding process.

## GENERAL CHARACTERISTICS:

- Output higher than 500 units per minute without damaging them.
- For compact-sized applications.
- Multi-format, tool-less systems.
- Ready for sterile filling solutions.
- Built as per FDA, CGMP, CE, UL and EX.



## VIBRATORY SYSTEMS

### BOWL CAPS

**We transform craftsmanship in to industrial mindset in order to make format changes easier without damaging parts as they are set up. We use special materials that protect against any possible damage.**

- Output up to 150 units per minute without using air.
- Multi-format.
- For special applications in the cosmetic industry.
- Multi-track system.



## CENTRIFUGAL FEEDING SYSTEMS

### SORT CAPS

High speed feeding solutions for applications that require quick changes in format.

- For use in large-scale production lines.
- Highly efficient output.
- Multi-format.
- HMI system control.
- Remote management of program changes.



## CENTRIFUGAL FEEDING SYSTEM WITH DOUBLE DISC

### CENTRICAPS

Very high output production that requires quick change of formats without damaging the parts.

- Output up to 900 units per minute.
- Multi-format with quick changes.
- Suitable for delicate parts.
- HMI system control.
- Remote management of program changes.

## WATERFALL FEEDER SYSTEM

### HIGH FEEDERS

Compact solution that allows very high output productions.

- Output production higher than 2000 units per minute.
- Ideal for caps.
- Capacity of 500 and 1000 litres.
- Compact turnkey solution.



### Optional elements:

Autonomous systems, soundproof booths and step systems.





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