



Automated Solid Encapsulated Technology

rumach

About

Rumit Unicap Machineries LLP

The brainchild of engineers, that have designed, developed and installed over 1000 encapsulation machines, around the world. With an experience portfolio lasting over 30 years, We understand your needs better than anyone else. Using this massive experience, understanding and knowledge we are proud to introduce the revolutionary RU CAP Series.

Our Vision

To pioneer pharmaceutical manufacturing with unparalleled technology, setting global benchmarks in automatic capsule filling machines, support machinery, and spare parts. Enriching healthcare through three decades of engineering excellence, we aspire to be the forefront innovator, shaping a future where our solutions redefine industry standards worldwide



Our Mission

Empowering pharmaceutical advancements through our unwavering commitment to service, quality, and customer satisfaction. With over three decades of expertise, our lead engineers drive a mission to consistently deliver state-of-the-art solutions. We aim to be the partner of choice for our clients, providing not just machinery but a comprehensive support system that exemplifies excellence in every aspect. Our dedication to service-driven processes, quality-driven products, and a customer-focused approach is the cornerstone of our mission, ensuring that every product we deliver contributes to the success and growth of our clients and the industry as a whole.



RU CAP series

The RU CAP series is a complete solution for small, medium and large batch manufacturing, with state of the art stability and controlled weight distribution throughout the production cycle.

The RU CAP series lets the customer rest easy, as we provide GMP standard Encapsulation machine, that guarantee each capsule is filled with the highest standards, set by the encapsulation world.

RU CAP series are PAT compliant and CE certified electronics that can be installed around the globe.



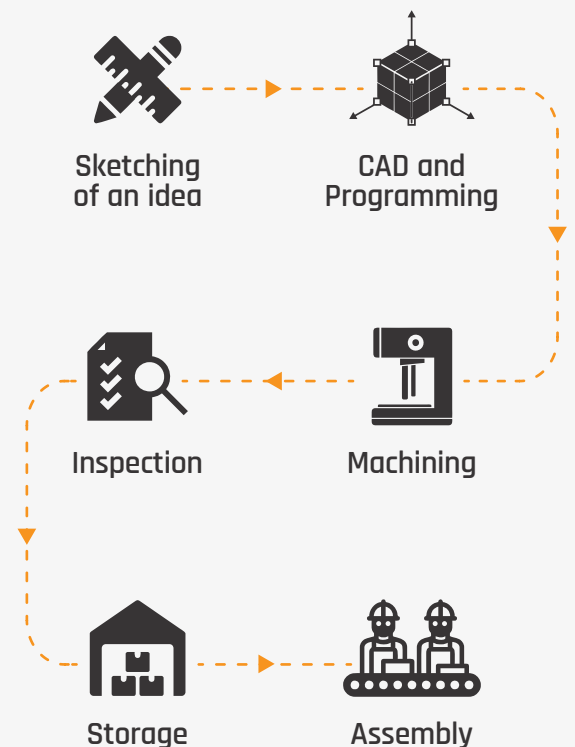
R&D to Assembly at RUMECH

The complete process of designing the parts to assembling them, is all done in-house.

Having two separate units, one for manufacturing and another for assembly, helps us to make superior machinery without any flaws.

Every aspect of the RU CAP series is made in-house, helping us to act and implement customer feedback more efficiently, nence making RU CAP series cater to your exact needs.

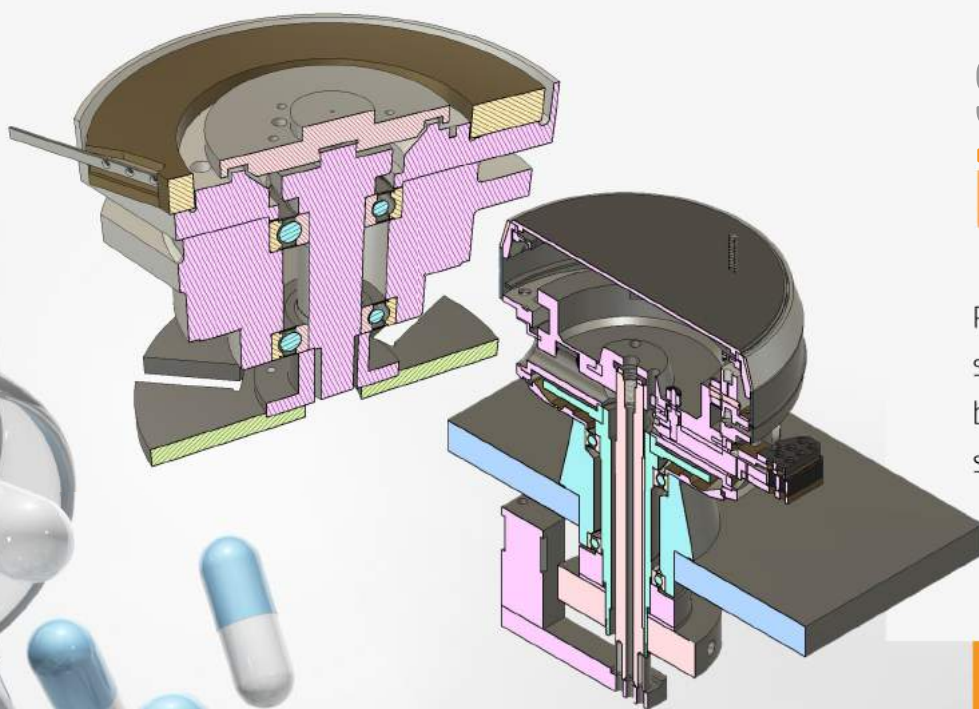
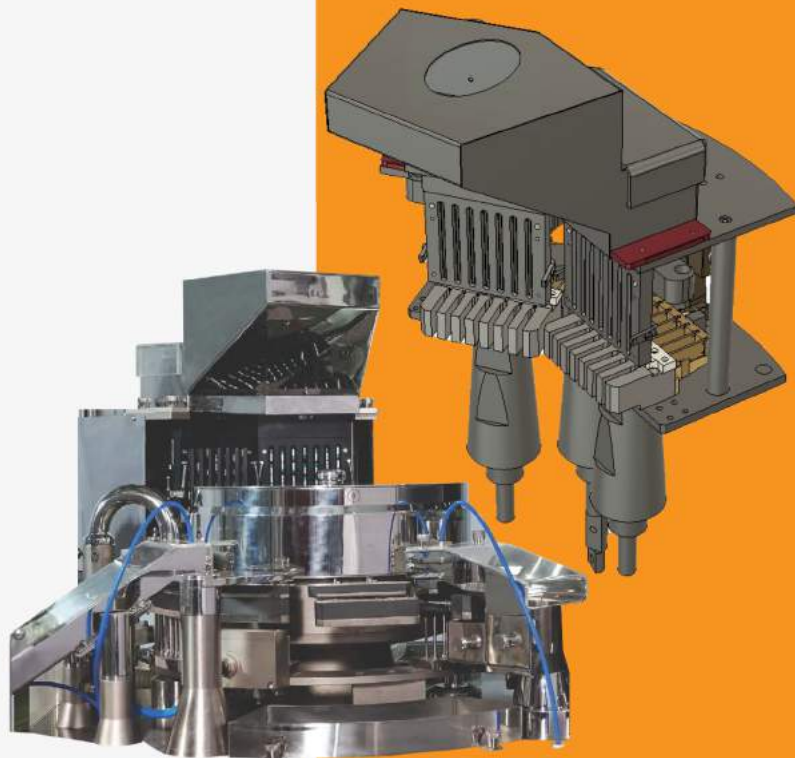
In-House Process





Design to Reality

Our Parts are designed, assembled,
and tested for functioning on CAD.
where the vision of our engineers is
made into reality

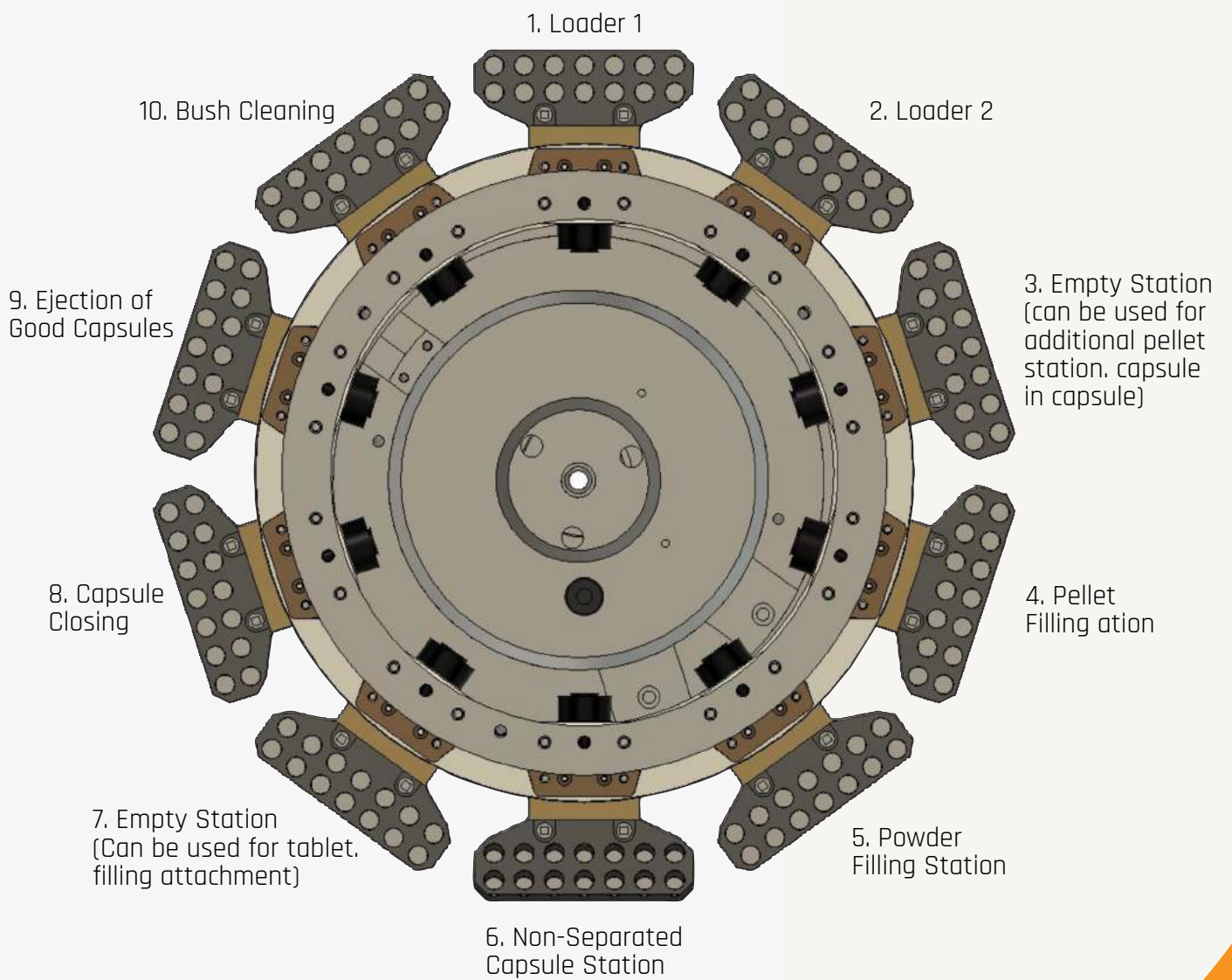


Study in Design

RU CAP series assembly goes through
section analysis, stress, and load
before any implementation process is
started.

RU CAP series

Capabilities



Dosing Capabilities

Our machines have the ability to encapsulate

- Powder
- Pellets
- Capsule in capsule,
- Tablets in capsules and
- Combination filling

Thus the vision of a complete solution is fulfilled in every way.



Our Complete Package

We provide the following line machines with the RU CAP series machine.

1. Empty Capsule Sorter
2. Empty Capsule Sorter Elevator
3. Filled Capsule Elevator
4. Dedusting and Polishing Machine
5. Sampling Check Weigher
6. Compact Air Displacement Unit
7. Air Displacement Unit
8. Mini Capsule Sorter



Empty Capsule Sorter 100000

UECS 100 helps in the automatic sorting of empty capsules, loose caps, and loose bodies from the filled capsules produced in the automatic encapsulation machine.

Features:

- Removes all empty capsules and additionally checks for loose caps or loose body
- Compact dimensions
- Simple sorting mechanism

Benefits:

- Ensures only filled capsules move further
- Can be accommodated in the capsule filling line easily
- Easy operation and maintenance



Model:- UECS-100,
Output per Hour: 100000/- Capsules

Empty Capsule Sorter Elevator 100000

By connecting the SE to the automatic encapsulation machine's empty capsule hopper, defective empty capsules can be diametrically sorted out at the start. This helps prevent stoppage during the filling process.

Features:

- Output of up to 100000 capsules per hour (depending on the encapsulation machine)
- Small footprint line machine
- Integrates with Rumach's encapsulation machines to automate capsule loading

Benefits:

- The high-speed of the sorter allows it to stay ahead of the encapsulation machine's consumption
- Saves space
- Enables complete automation, and, therefore, smooth operation



Model:- ESE-100

Filled Capsule Elevator 100000

FCE is used for transferring filled capsules between various processes - for example, from sorting to check weighing.

Features:

- Transfers filled capsules using blower units
- Conveys capsules of all sizes (000 to 5)
- Automates the transfer of filled capsules

Benefits:

- Transfers filled capsules without any manual intervention
- Does not require different format parts for different capsule sizes
- Supports conformance to cGMP norms



Model:- CE-100,
Output per Hour: 100000/- Capsules

Dedusting and Polishing Machine

DP is an horizontal de-dusting and polishing system that uses the rotating brush concept to remove excessive powder off the surface of capsule shells on a continuous basis. It can be integrated with encapsulation machines.

Features:

- A polishing chamber with a spiral brush
- Provided with an air displacement unit
- All product contact parts are food grade certified

Benefits:

- Ensures effective dedusting of capsules
- Ensures complete removal of the dust from the capsule shell surface and prevents them from settling back
- Ensures safe handling of the product during operation



Model:- CPM-100

Sampling Check Weigher 10

SCW 10 is a fully automatic online sample check weigher designed for statistical weight control of filled capsules. CW 10 provides you with timely reports on statistics of the weight variation within the batch.

Features:

- Fully automatic operation for sample collection, weighing & reporting
- Format free design
- Weighing with an accuracy up to ± 1 mg
- Sampling can be done on either a 'time-interval' basis or a 'number of stroke/interval' basis

Benefits:

- No manual intervention is required
- Online sample check weighing of capsules any formulation and dose
- Reliable results & Flexibility in sampling



Model:- SCW-10,

Compact Air Displacement Unit 100 CFM

Compact air displacement system is used to extract dust specially from polishing machine, using filter cloth in the container.

Features:

- The impeller unit can be placed outside the filling area, whereas the filter container is placed inside the filling area to collect dust from capsule polishing machine.

Benefits:

- Easy Maintenance and cleaning
- Easy replacement of filter cloth.



Model:- CADS-100

Air Displacement Unit 100 CFM

Air displacement system is used to extract dust specially from Capsule filling machine, using filter cloth in the container.

Features:

- The Impeller and the container are placed outside the Filling area.
- Can be used for Tablet dust extraction as well as Capsule dust Extraction.

Benefits:

- Easy Maintenance and cleaning.
- Easy replacement of filter cloth.



Model:- ADS-100,

Mini Capsule Sorter 100000/200000

CS-100 is used to inspect and reject Loose cap and loose body using spring plates.

- A rotating drum is also used to reject diametrically oval shaped capsules and pass only good capsules forward

Benefits:

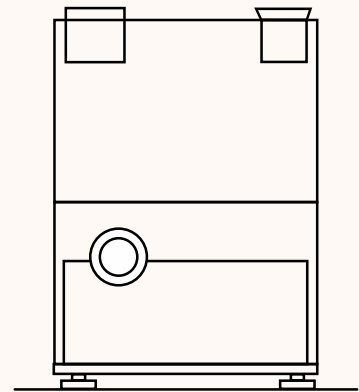
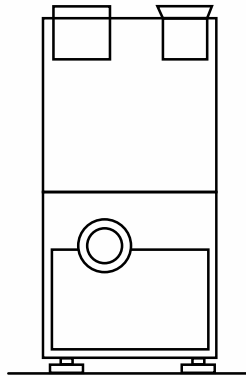
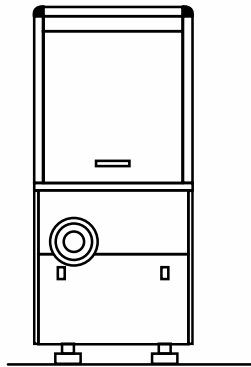
- Bad capsules such as loos cap and loose body are collected into rejection bin
- Rejects telescopic capsules and is collected in rejection bin
- Diametrically oval capsules are collected into rejection bin
- Only good capsule of precise size are passed forward.



Model:- CS-100/200

Capsule

Filling Machines



RU CAP 25

RU CAP 40

RU CAP 90

	: Upto 25,000 Capsules/ hour for power filling	: Upto 40,000 Capsules/ hour for power filling	: Upto 90,000 Capsules/ hour for power filling
Output	: Upto 23,000 Capsules/ hour for pellet filling	: Upto 35,000 Capsules/ hour for pellet filling	: Upto 80,000 Capsules/ hour for pellet filling
	: Upto 13,000 Capsules/ Tablet filling (Single tablet)		: Upto 50,000 Capsules/ Tablet filling (Single tablet)
Electric Supply	: 415V 3 Phase+N +E, 50 Hz, A.C.	: 415V 3 Phase+N +E, 50 Hz, A.C.	: 415V 3 Phase+N +E, 50 Hz, A.C.
Main Motor	: 1.1kW(1.5HP) at 750 rpm.	: 1.5kW variable speed	: 1.5kW(2HP) at 1440 rpm.
Power Feed Motor		: 0:18kW	
Vacuum Required (Capsule Separation)	: 575 LPM at 18° of mercury	: 1100 LPM at 26° of mercury	: 1100 LPM at 26° of mercury
Vacuum Required (Cleaning)	: 2800 LPM at 4° of mercury	: 2800 LPM at 4° of mercury	: 2800 LPM at 4° of mercury
Compressed Air	: 140 LPM at 6kg/cm ²	: 200 LPM at 5-7kg/cm ²	: 300 LPM at 6kg/cm ²
Connectet Load	: 1.5kW (2HP) approx, form machine only		: 2.0kW (3HP) approx, form machine only
Connectet Load	: 7.5KW (10 HP) approx. form machine with vacuum pump, air compressor & ADU		: 8.0KW (11 HP) approx. form machine with vacuum pump, air compressor & ADU
Dimensions (L x W x H)	: 1210 mm x 955mm x 1900mm	: 1210 mm x 955mm x 1900mm	: 1650 mm x 1200mm x 2050mm
Gross Weight	: 1000 kgs	: 1100 kgs	: 2350 kgs
Shipping Dimensions (L x W x H)	: 1500mm 1200mm x 2200mm	: 1600mm 1400mm x 2100mm	: 2140mm 1600mm x 2200mm
Shipping Weight	: 1200 kgs Approx.	: 1300 kgs Approx.	: 2550 kgs Approx.

Change and Spare Parts

SR NO.	Size	PHOTO	Assembly description	QTY
1	0		Raceway block assembly with horizontal finger assembly	2 Set
2	0		Magazine assembly With vertical finger	2 Set
3	0		Dosing disc with powder ring assembly	1 Set
4	0		Tamping pin set for 90T change part	84nos
5	0		Closing pin set for 90T change part	14nos
6	0		Unopen capsule ejection pin set for 90T change part	14nos


Change and Spare Parts

SR NO.	Size	PHOTO	Assembly description	QTY
7	0		Ejection pin set for 90T change part	14nos
8	0		Bush cleaning pin set for 90T change part	14nos
9	0		Cap and body bush set for 90T change part	140nos
11	0		Alignment pin gauge Set for 90T change part	1nos
12	0		Capsule ejection guide plate	1nos
13	0		Capsule ejection guide plate	1set

Mini Capsule Sorter-100 Change Part

SR NO.	Size	PHOTO	Assembly description	QTY
1	#00		Cover Plate #00 Acrylic	1
2	#00		Cover Plate #00 Stainless Steel	1
3	#00		Guide Plate #00 Aluminum	1
4	#00		Aluminum Spacer #00	1
5	#00		Sorting Drum Assembly Sorting Plate #00 For AF90T with Ring Cover Flange	1

Empty Capsule Sorter 100 Change Part

SR NO.	Size	PHOTO	Assembly description	QTY
1	#00		Sorting Plate	1

Our Global Reach

- 01 Argentina 02 Brazil 03 Norway 04 Bangladesh 05 Nepal 06 Philippines
07 France 08 Russia 09 Vietnam 10 Nigeria 11 Ghana
12 South Africa 13 England, United Kingdom 14 India



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