

# DOSING OF LIQUIDS & SOLIDA

## Liquids station:

On the Modu-C thixotrope and heatmelting media are filled in up to max. 100 cycles/minute. Two separate heating circuits (pump block and Liquid supply tank) heat the fill media to a temperature ranging between 32°C and 85°C melting temperature. Thixotrope media are held in motion already during the filling process as well as during machine stoppage. Degassing of the liquid is performed by admitting vacuum to the supply tank.

The Liquid station covers a broad range of viscosities. With paste-like liquids the capsule body is lifted to support the dosing process.



**Multifunctional use:**  
The Liquid dosing station for filling thixotrope and heatmelting media.

## Dosing station for pellets:

The pellet dosing station is based on the principle of two volumetric filling chambers that are loaded and unloaded alternately.

This function principle allows the machine to operate at full capacity. The volume in the dosing chambers is adjustable starting at a dosing range of > 50 mg.



**Each cycle renders performance:**  
pellet filler with volumetrically adjustable filling volume.

## Sizepart-free tablet dosing:

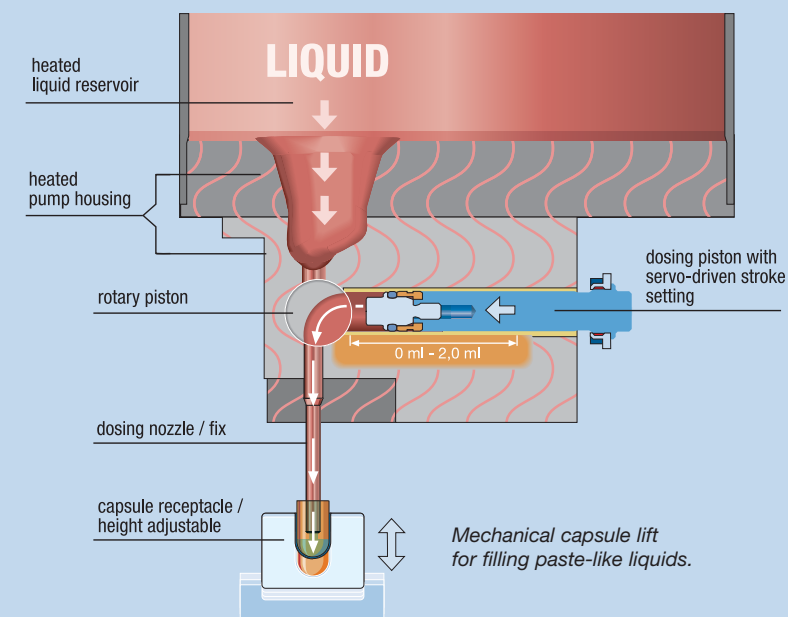
Tablets are picked up from the supply hopper by the vacuum pick-up wheel, aligned and then transferred into the capsule body. The fill quantity of the tablets is adjustable via the integrated counter.

This system is suited for handling many different tablet shapes and geometries, without the need for size parts.

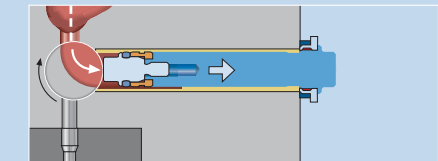


**Piece by piece:**  
No size constraints due to vacuum pick-up – the big plus of the tablet feed system.

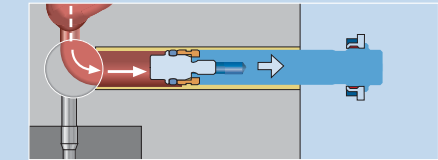
## Function diagram Liquid dosing:



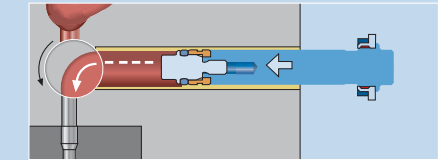
### Starting position suction phase



### Volume determination due to defined range

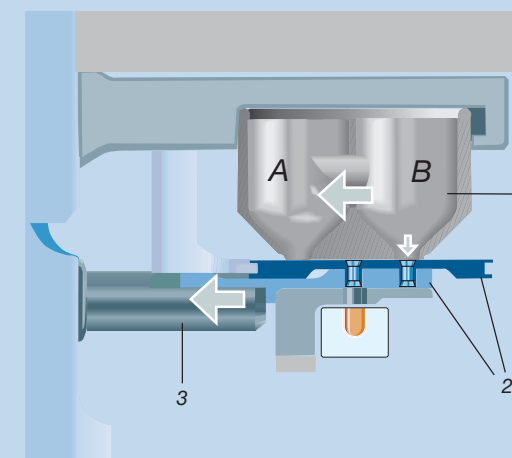


### Start Liquid dosing compression phase



## Function diagram Pellet dosing:

The movable dosing chambers are filled alternately. The ready capsules are simultaneously filled at the respective left and right end position.



Filling the dosing chamber A  
Emptying the dosing chamber B

Filling the dosing chamber B  
with simultaneous emptying  
of dosing chamber A

- 1 Pellet supply hopper
- 2 Size-dependent dosing chamber
- 3 Slide gate for opening and closing the dosing chamber