



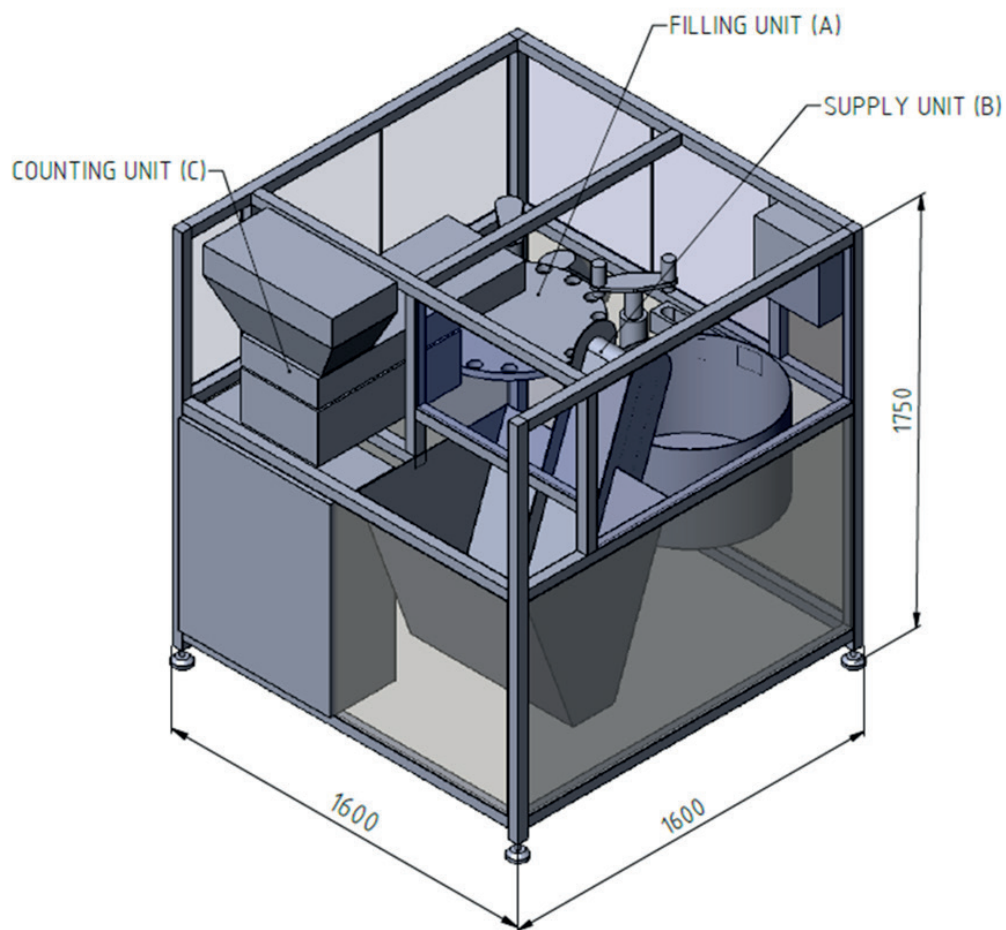
## FILLING LINE FOR APTAR CSP VIALS

- PROJECT THAT NEEDS TO BE ADJUSTED AFTER PRE-SERIES
- FOR NORTHERN AMERICA ONLY
- TAILOR-MADE SYSTEM, ADJUSTABLE TO FIT VARIOUS REQUIREMENTS
- SPEED FROM 15 TO 60 VIALS/MIN, DEPENDING ON THE OPTIONS SELECTED, AND THE VIALS AND TABLETS TO PACK
- CHANCE PARTS TO MANAGE A WIDE RANGE OF VIALS
- A BETTER PRODUCTIVITY
- OUR EXPERTISE AT YOUR SERVICE
- OUR SUPPORT DURING IMPLEMENTATION

*Elizabeth Europe, expert tooling partner for pharmaceutical industry. The European Production site of the Elizabeth Companies is located in France.*

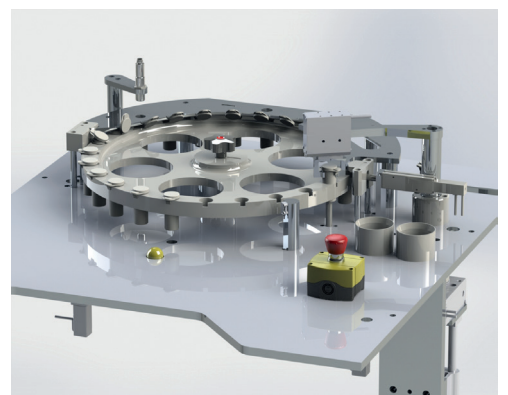
*Elizabeth Europe has a turnover of 12 million euros, has a staff of 100 people, and has 5 activities : Compression tooling (1<sup>st</sup> in France, 650 customers in Europe), Blister tooling (1<sup>st</sup> in France, 300 customers in Europe), Special Machineries, Press parts (1<sup>st</sup> in France, 50 % of French market) and Eliza-Press (rotary press).*





## • A. VIAL FILLING SYSTEM

**Purpose:** It allows faster automatic opening and closing of the vials before and after filling. This system bypasses all handling.



### **Features:**

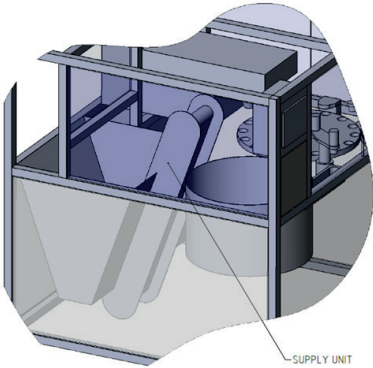
- All size of vials
- Specific but adjustment to vial diameter 17,5mm/height 40,8 mm
- Hand supply of the empty vials into the unit A
- Maximum machine speed is 60 vials/min
- But usual speed is 15 to 20 vials/min due to hand supply of the vial
- Data management through password functions
- Emptiness
- Proper closing checking
- Remote access to automation
- Change parts specific to vial diameter
- CFR 21 part 11 optional

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## • B. AUTOMATED VIAL SUPPLY UNIT

**Purpose:** Unit dedicated to automatic supply of the empty vials into unit A.

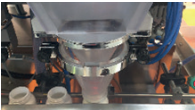
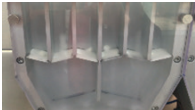
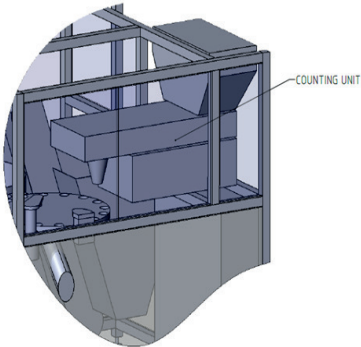
- Features:**
- Maximum speed of unit B is 60 vials per min
  - The final speed depends on vial size, tablet size/surface state/ number, cotton and opening/closing features
  - All size of CSP vials
  - But vial diameter 17,5 mm and height 40,8 mm may require specific adjustment (not included)
  - Change parts specific to vial diameter
  - Aluminium, stainless steel and food compliant plastic
  - Vials loaded manually into a bowl feeder located close to the ground, easily accessible to operator



## • C. INTEGRATED COUNTING UNIT

**Purpose:** Unit dedicated to a high-speed automatic counting of tablets/capsules and filling into the vials.

- Features:**
- 12 tracks counting unit, one funnel
  - The counting sensors are capable of automatically adjusting against light reduction due to dust. So, the sensors are dust friendly and ensures count accuracy ever for very dusty tablets.
  - If the dust blocks the sensors, a warning signal appears on the monitor.
  - Handle coated and uncoated tablets and hard/soft gel capsules
  - Ex: For tablet diameter 5 mm, speed 216.000 tablets/hour
  - Ex: For tablet diameter 10 mm, speed 117.000 tablets/hour
  - Ex: For capsule size 0, speed 63.000 capspsules/hour
  - Ex: For capsule size 2, speed 90.000 capspsules/hour
  - Adjustable vibrator for tablet flow
  - In option (not included), sorting device by air purging and vacuum suction to remove broken tablets



Vial	Capsule	Count	Speed in Vial/min (+/- 5%)
M-3003-200 64 ml	Size 0	30	50
M-3003-200 64 ml	Size 1	45	60
M-3003-200 64 ml	Size 2	60	46
M-3003-477 110 ml	Size 0	45	48
M-3003-477 110 ml	Size 1	60	54
M-3003-477 110 ml	Size 2	90	34
M-3003-451 166 ml	Size 0	90	30
M-3003-451 166 ml	Size 1	120	38
M-3003-451 166 ml	Size 2	150	18

# FILLING LINE FOR APTAR CSP VIALS

	Price Target		
	min	-	max
A- Semi automated vial filling unit			
A.1 Equipment			
Mechanical base, 1 format, FAT, IQOQ doc, packaging.....	\$60 000	-	\$70 000
A.2 Options & customization			
Additional format (tube diameter).....	\$1 500	-	\$2 500
Additional closing/opening device.....	\$500	-	\$1 000
Special parts, special components.....	quotation under request		
Link with another counting unit.....	quotation under request		
A.3 Services recommended			
fixed cost travel From Europe to the USA (2 technicians).....	\$5 000	-	\$5 800
commissioning (2 days, 2 technicians).....	\$4 000	-	\$4 600
SAT (1 day, 2 technicians).....	\$2 000	-	\$2 300
Training (1 day, 2 technicians).....	\$2 000	-	\$2 300
Assistance to manufacturing start (1 day x 2 technicians).....	\$2 000	-	\$2 300
B- Automated vial supply unit			
B.1 Equipment			
Mechanical base, 1 format, FAT, IQOQ doc, packaging.....	\$80 000	-	\$90 000
B.2 Options & customization			
additional format (tube diameter).....	\$500	-	\$1 000
Special parts, special components.....	quotation under request		
B.3 Services recommended			
commissioning (2 days, 2 technicians).....	\$2 000	-	\$2 300
SAT (1 day, 2 technicians).....	\$2 000	-	\$2 300
Training (1 day, 2 technicians).....	\$1 000	-	\$1 200
Assistance to manufacturing start (1 day x 2 technicians).....	\$1 000	-	\$1 200
C- Integrated Counting unit			
C.1 Equipment			
Mechanical base, 1 format, FAT, IQOQ doc, packaging.....	\$115 000	-	\$125 000
C.2 Options & customization			
additional format (funnel).....	\$500	-	\$1 000
Special parts, special components.....	quotation under request		
C.3 Services recommended			
commissioning (2 days, 2 technicians).....	\$500	-	\$600
SAT (1 day, 2 technicians).....	\$500	-	\$600
Training (1 day, 2 technicians).....	\$500	-	\$600
Assistance to manufacturing start (1 day x 2 technicians).....	\$500	-	\$600

Due to continued updating of our equipment, the texts, illustrations and technical specifications mentioned on these pages are illustrative only and are subject to change without notice.

