



# Three Chamber \_\_\_\_\_ – **Pillow Filling Machine**

Presented by CSF-Electric Kft.



---

# What **WE DO?**

---

*We manufacture feather processing machines such as washers, dryers, cooler / de-dusters, wet and dry silos, sorters, vacuum boxes, pillow and comforter filling machines.*



---

# Three Chamber **PILLOW FILLING MACHINE**

---

*The PTG301 3 chamber pillow filling machine is suitable for filling 3, 2 & 1 chamber pillows and could be operated with one person only. It fills about 2-4 pillows per minute.*

## ***The Operation Process***

Filling material will be transferred from silo to the weight bins by vacuum. The weight is being monitored continuously while loading. Loading will be finished when vacuum stops. If the loaded weight is not between the previously set tolerance values the automatic equalisation will start.

The control will decide based on weight, if the loaded material is too much or too less. It will start to add or take material from the weight bin until the weight is between the previously set tolerance values. The filling material will be blown into the pillows by filling fans.

The pillows must be put on the filling tubes located on the filling heads. By pressing the two hand start buttons the filling heads will close and filling will start. When filling is ready the machine will automatically release the pillow and the operator can take off the filled product.



# Pillow Filler

# MAIN COMPONENTS

*The PTG301 3 chamber pillow filling machine is suitable for filling 3, 2 & 1 chamber pillows and could be operated with one person only. It fills about 2-4 pillows per minute.*

1. Filling Table	4. Feather Weight Bin	7. Down Silo
2. Filling Head #1	5. Down Weight Bin	8. Control Panel
3. Filling Head #2	6. Feather Silo	9. Control Unit



# Machine

# TECHNICAL DETAILS



**Weight:** 5800 Kg  
(Approx)

**Max. Pressure:** 8 bar  
(Pressure needed 6 bar)

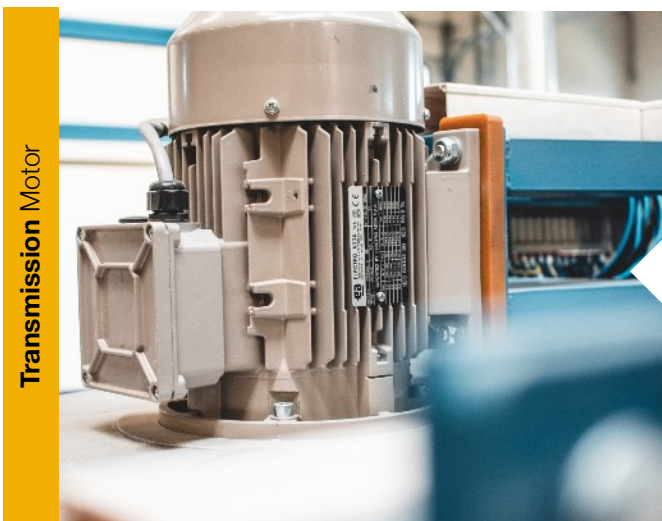


**Voltage:** 3 AC / 400 V / 50 Hz  
(with a 32A fuse)

8000mm x 9000mm x 4000mm  
(L x W x H)



Siemens Control Panel



Transmission Motor



Pressure Gauge

---

# Feather & Down

# SILOS

---

*A rotating shaft will ensure that the filling material (down & feather or polyester) is loose and light all the time. The silos can be separated inside in the middle to ensure silo loading and pillow filling at the same time.*



## **This Part Consists of the Following:**

- Automatic dosing with chain driven system. The transmission speed can be adjusted with the drive motor RPM (frequency inverter)
- Loosening shaft
- Ultrasonic sensors for consistent dosing

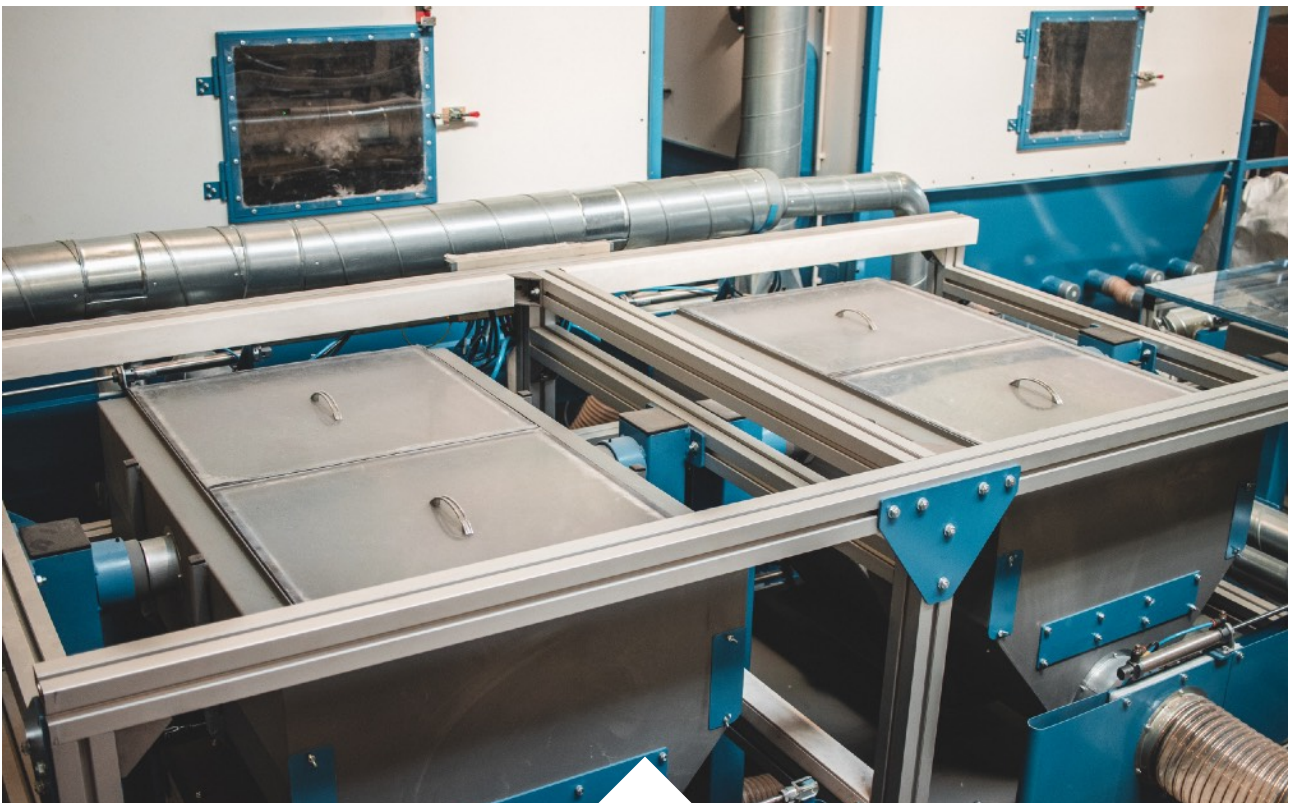
---

Feather & Down

# WEIGHT BINS

---

*A rotating shaft will ensure that the filling material (down) is loose and light all the time. The silo can be separated inside in the middle to ensure silo loading and pillow filling at the same time.*



## **The Down Weight Bin**

Bin loading and emptying are separate operations.

The capacity 2x60 L  
Tolerance +/- 1g

## **The Feather Weight Bin**

Bin loading and emptying are separate operations.

The capacity 2x240 L  
Tolerance +/- 1-5g

The

# FILLING TABLE

---

*Airborne filling materials (feather, down or polyester) are blown through transport fans from the bins into the pillows.*



## **This Part Consists of the Following:**

- Filling table with extra material suction back to the feather silo and hand starter buttons
- 3 transport fans, speed can be set by frequency inverters
- 2 filling heads: 3 filling tubes at each filling heads (2 down, 1 feather)

# The Control Panel

# KTP900 BASIC PANEL

*The control panel is responsible for the machine's operation. We always use Siemens technology.*



1. Emergency Button

2. Enabling Key Switch

3. Release Filling Head Buttons

4. Control On Button

5. Automatic Mode ON / OFF

6. Control Panel

---

Looking for a

# **SIMILAR SOLUTION?**

---

*We are here to help you! Please contact us now to discuss your business needs.*



**CSF-Electric** Building in Mako City



**CSF ELECTRIC**  
Feather Processing Machines

**+36 30 361 5839**



We also use WhatsApp!



Or Skype - office.baustein

info@csfelectric.hu  
www.csfelectric.hu