

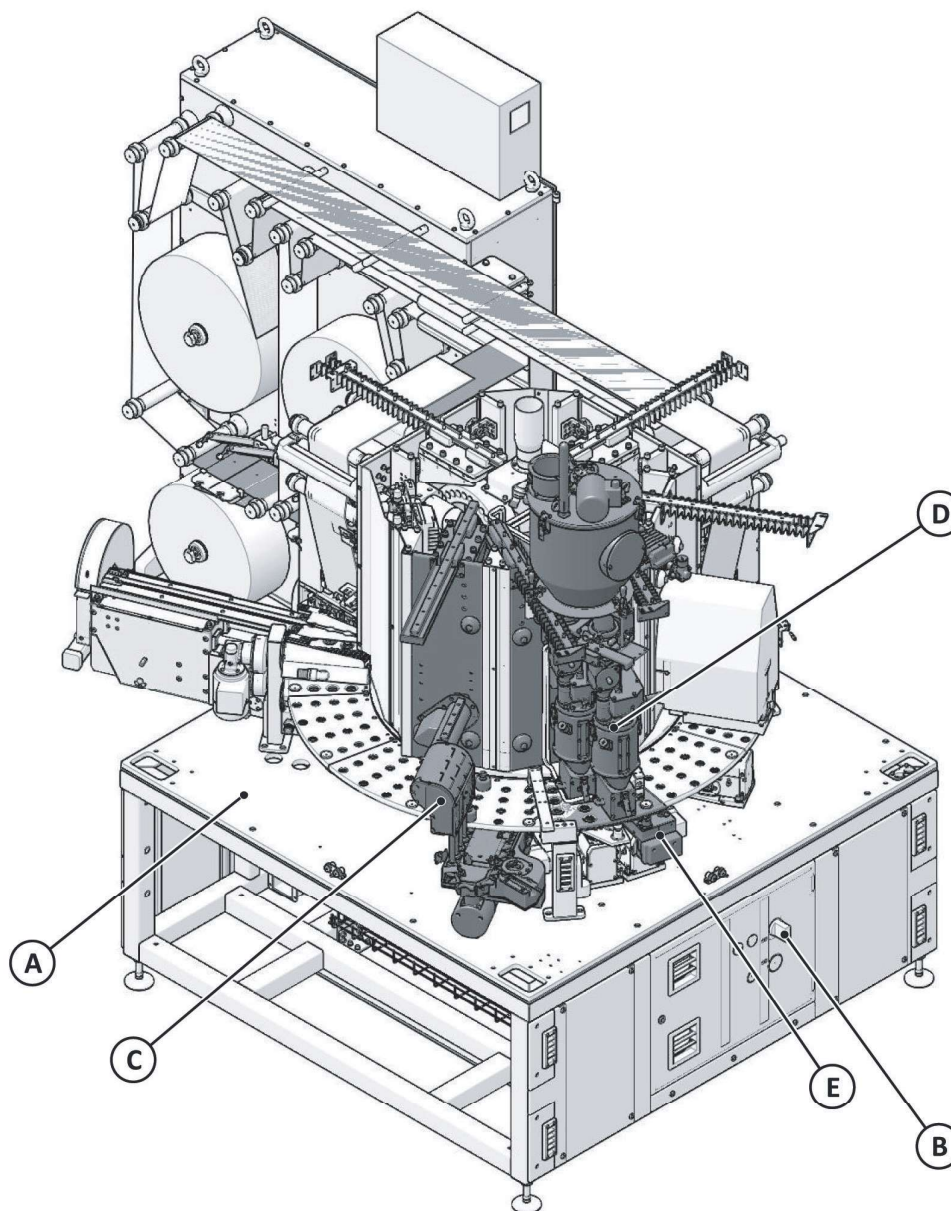
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2.1 MAIN FEATURES OF THIS MACHINE

The machine, model 590, is designed to fill and close coffee or tea capsules, depending on which product is processed.

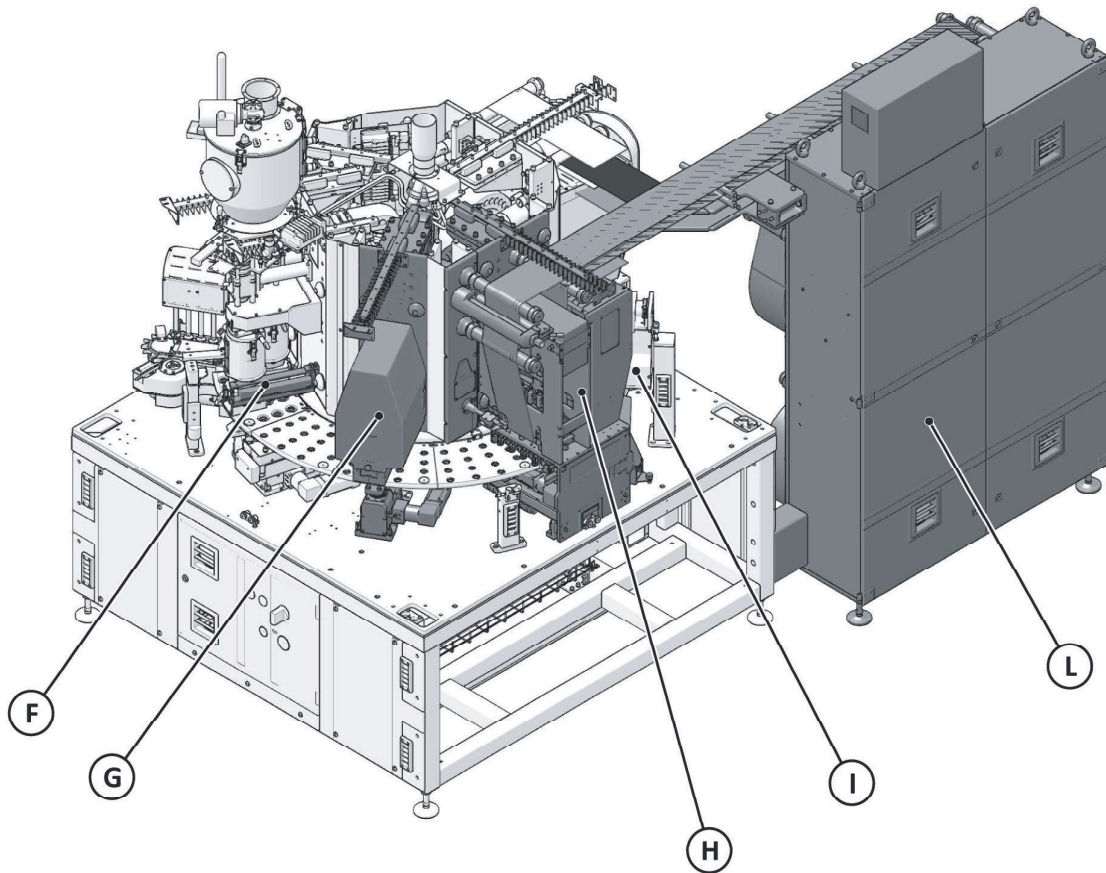
By dividing the machine into functional areas, they can be identified as follows:

- Soleplate and transfer (A);
- Air handling unit (B);
- Capsule pick and place feeding (C)
- Product dosing unit (D)
- Full capsules weighing unit (E)



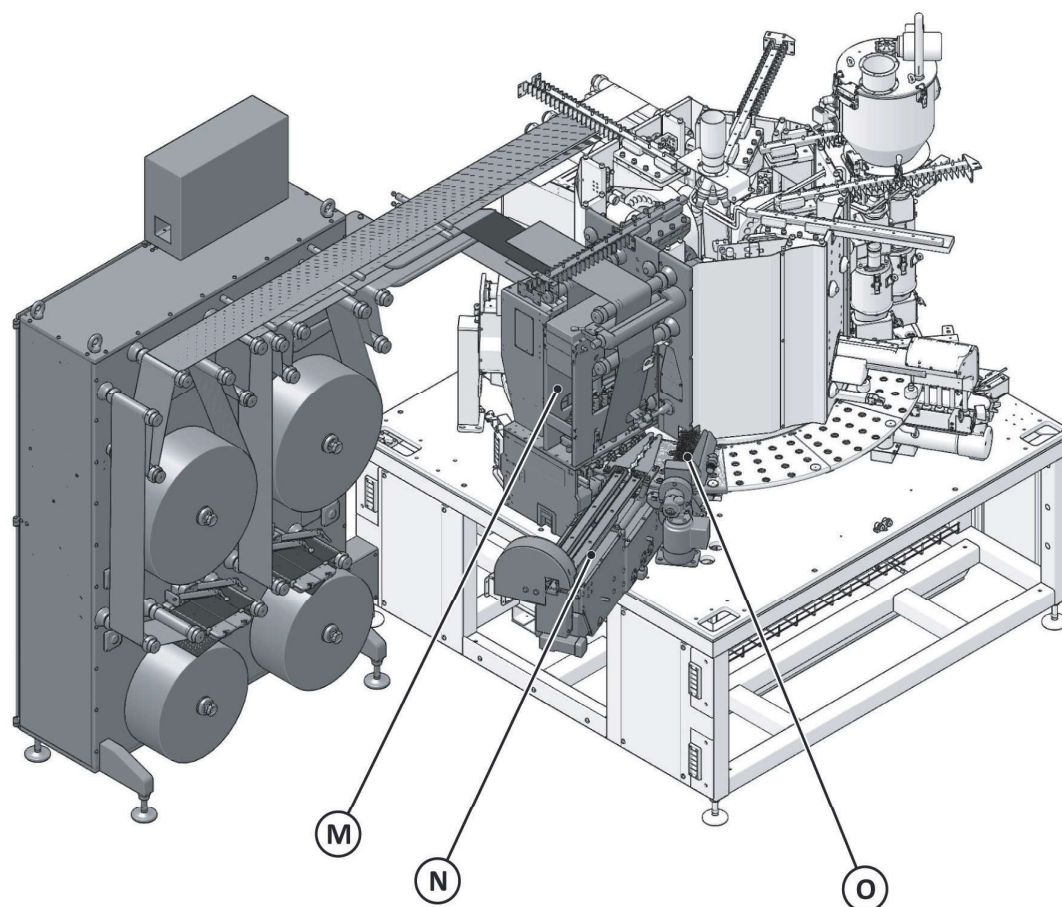
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- Ionizing bar (F)
- Coffee pressers and capsule collar cleaning unit (G)
- Filter paper feeding and insertion (H)
- Filter presence check camera (I)
- Double reel-holder cabinet (L);



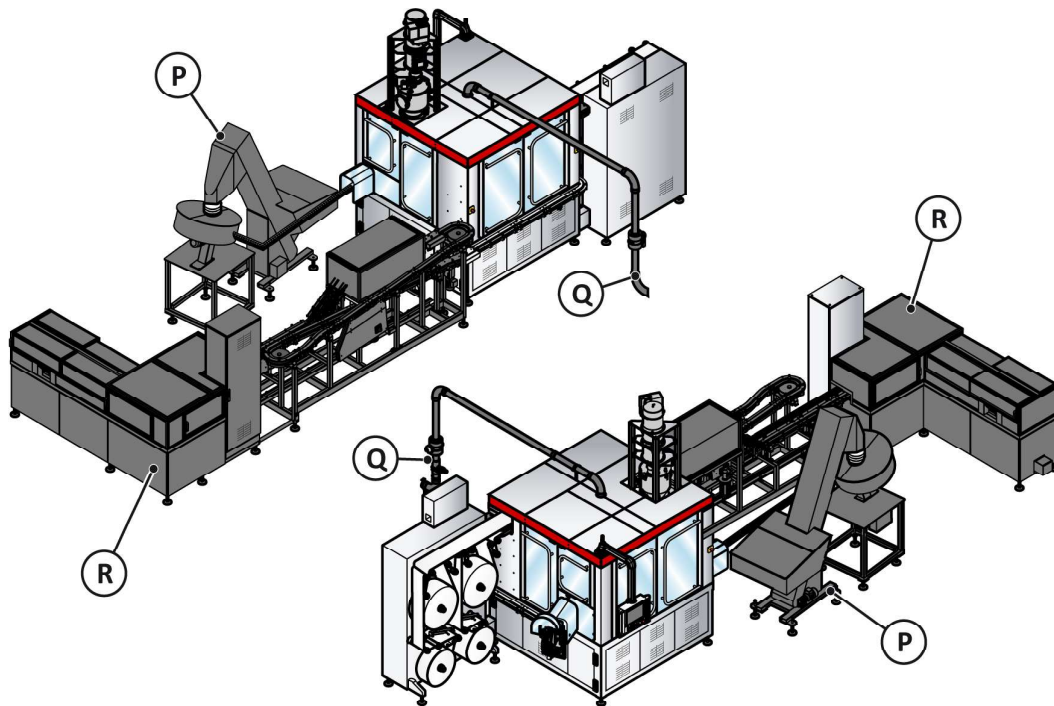
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- LID cutting and welding to capsule (M);
- Pick and Place for good and reject products (N);
- Brush unit (O);



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- Capsule feeding (P);
- Powder suction unit (Q);
- Capsule transfer and boxing unit (R).



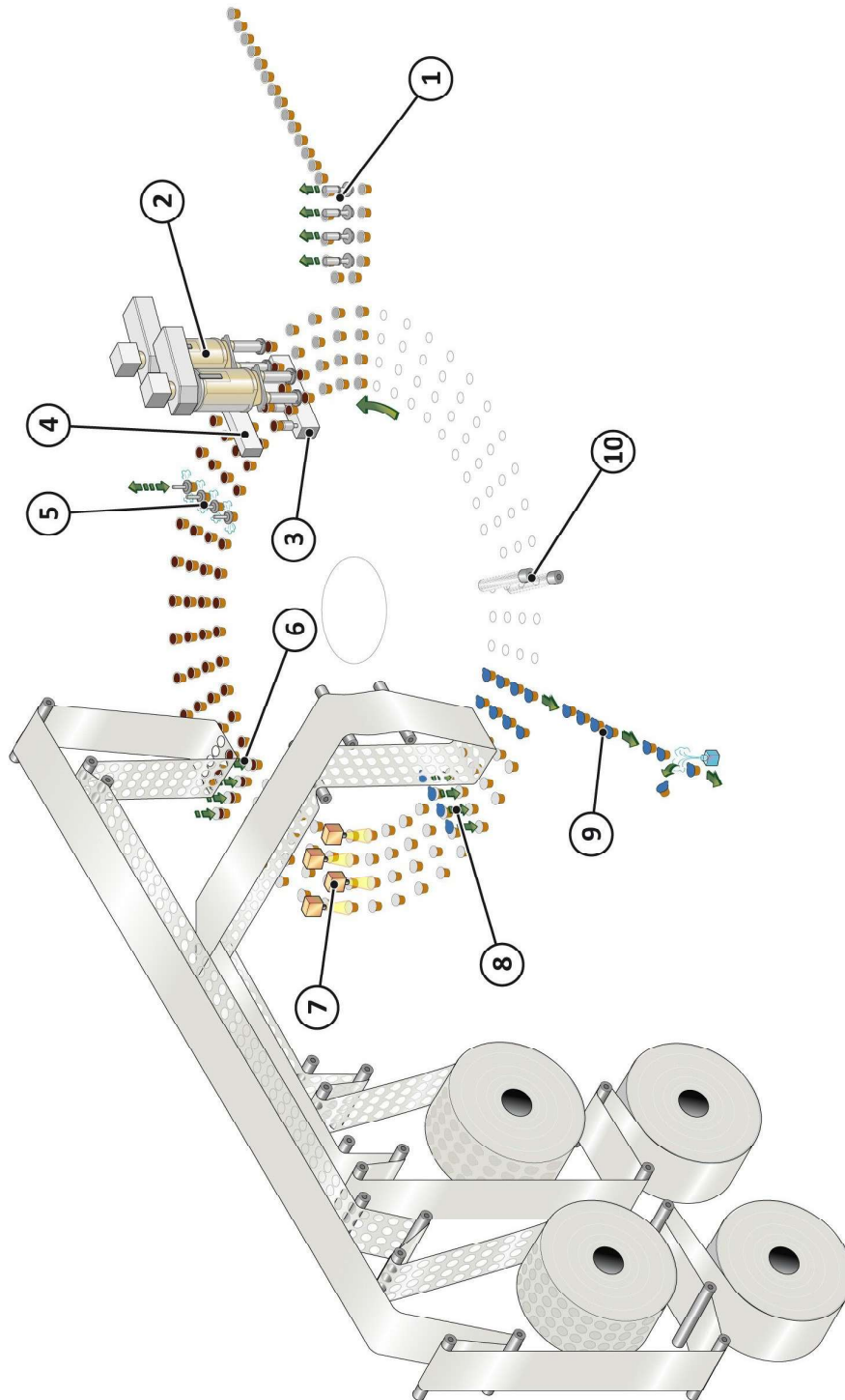
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2.2 PROCESS CYCLE

The machine's operating sequence is as follows:

1. Capsule feeding
2. Filling
3. Weighing
4. Ionizing bar
5. Pressing and capsule collar cleaning
6. Filter paper feeding and insertion
7. Filter presence check camera
8. Lid feeding and welding on capsule
9. Outfeed of finished capsules rejection of any defective capsules
10. Brush unit

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2.3 TECHNICAL DATA

Electrical Characteristics

Installed power: 480 V, 3 phase, 60 Hz

Pneumatic Characteristics

Supply pressure: 6 bar

Size specifications

Size of Lid Reels and filter paper: Width 190 mm
Diameter 500 mm
Core diameter 77 mm

Capsule size (See figure)

Lid size (See figure)

Production specifications

Production speed: 200 capsules/min

