

**EC SERIES :****Description :**

The machine is double rotary tablet press with inbuilt pre-compression. All machine controls are adjustable from outside of the machine. The pre-compression is having a fix tonnage of 2 tons. The pressure roller is made of special material---- EN 31 forged steel and is mounted on the bearings. Pressure rollers have a unique sliding mechanism which makes the machine easily accessible during cleaning and maintenance.

The pressure loading is designed in such a manner to achieve desired thickness of the tablet and can be controlled by knobs on the side of the machine. Overload release is already provided in the machine to safeguard against any overload in hydraulics.

The machine is fitted with force feeders having variable frequency drive and force feeders are designed with three paddles for the optimum performance over the wide range of materials and tableting speeds. The drive of force feeders and turret is synchronized for better performance.

The force feeder is easy to assemble/ disassemble. The material flow to the force feeder is also controlled by lockable butterfly valve.

**Salient Features:**

- ELNP Turret and Upper cam tracks Force feeder (Aluminium alloy- hard anodized)
- Outside tablet parameter controls for tablet thickness and weight Unique press roll with sliding mechanism
- MHCOS:- Manual hydraulic compression overload system Auto lubrication
- Machine operation with Touch type HMI (Through PLC)

**Features:**

- Top guards in acrylic with dust free sealing Pressure roller on bearing Hopper level sensor
- Turret with anti-corrosive ELNP - electroless Nickel plating
- Audio visual safety alarm system with logs for emergency and records Sliding press rolls for easy access to compression area
- Solid pillar and frame construction with ring and pinion arrangement Two way discharge chute for start/shut down rejection

**Optional Features**

- Three piece turrets
- 15 H.P. Motor for special application
- Anti Vibration mount
- CE certification.
- 21 CFR part 11 compliance (SF)
- Bi Layer with force feeder
- Bi layer attachment with pneumatic sampling.
- Bi layer sampling rejection (Force Display)
- IQ, OQ, DQ documents



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## EC SERIES :

### Technical Specifications :

Model	EC – 51	EC – 61	EC – 75	EC – 81
No. of station	51	61	75	81
Tooling	D	B	BB	BB SP
Tablet Diameter (max.)in mm	25	16	13	11
Depth of fill (max.)	20	17	15	15
Tablets/Hr. (Max.)*	367200	439200	540000	583200
Turret RPM (Min/ Max)	10/60	10/60	10/60	10/60
Max. compression	10 Tons	6.5 Tons	6.5 Tons	6.5 Tons
Upper punch penetration	2 - 6 mm			
Electric Motor	10 HP, 1440 RPM, 415 V AC, 3 Phase			
Force feeder motor	0.25 HP, 230 V AC, 35 RPM, 3 Phase			
Machine size in mm.	1242 × 1505 × 2240			
Net weight in Kg.	4500			
Gross weight in kg.	5500			
Case size in mm	1829 X 1829 X 2245			

**Note :** Images Shown here are illustrative. As the design & manufacturing of Machines are subject to improvement, the product supplied will be as per our Techno-Commercial offer.