

ROUND DRIPPER PIPE EXTRUSION MACHINERY (IR Series – Stage2)



Quality, Performance, & Reliability

Result of over 25years in manufacturing and supply of machinery for production of drip irrigation pipes for integrated round drippers. And building on experience of hundreds of units of older machine generation supplied by FIDAPLAST in Asia, Africa, Middle East, and Europe, comes the new series of extrusion production lines for round dripper irrigation pipes as another mark by FIDAPLAST for higher production capacities while maintaining the same high quality and performance reliability.



General Specifications

Extruder:

- Barrier screw Ø65mm with Bimetallic barrel.
- Programmable control system & touch screen HMI
- Throughput capacity 180-200 kg/hr

Vacuum & Cooling:

- 6mtr vacuum chamber (6mtr) with precision dual circuit
- 6mtrx2 cooling unit
- Made in Stainless Steel
- Pipe air ring dryer at cooling line exit.

Take-Off:

- Dual caterpillar with special quality belts.
- 2x AC gearmotor synchronized by electronic drive
- Linear speed capacity: 100 m/min.

Pipe Winder:

- Semi-auto double coil winder
- Electronic tension control
- Automatic traversing unit with adjustable pitch.

Dripper Conveyor & Feeding Unit:

- State-of-Art SERVO technology.
- Programmable control system with touch screen HMI
- Digital calibration to dripper length
- Capacity = 300-350 drip/min

Pipe Perforator Unit:

- Unique actuators (FIDAPLAST special by FESTO).
- Precise Mechanical location ring
- Industrial duty S.S. mini drills
- Dripper spacing and fault check feature
- Programmable control system with touch screen HMI
- 2 and/or 4 holes option
- Capacity = 180-220 drip/min

Vacuum Inlet Chamber:

- Special design for integral round dripper pipe.
- With sizing sleeves for drip pipe

Cross Die Head

- Specially designed to allow the insertion of the drippers.
- Centering tension ring

Automatic Pipe Cutter

- Automatic cutting at metered pipe roll length.
- Operator safety protections.

