

# FLAT DRIPPER PIPE EXTRUSION MACHINERY (IRF Series – Stage3)



*Quality, Performance, & Reliability*

Result of continuous development and build-up of experience in specialized extrusion machines for integral drip irrigation pipes, **FIDAPLAST** is launching new **110mtr/min** extrusion lines for In-Line Flat Drinker Pipes.



## General Specifications

### **Flat Drinker Insertion Unit:**

- Rotary Drinker feeder with dripper conveyor loader.
- Drinker accelerator tray
- Servo driven and control technology inserting system.
- Programmable control system with touch screen HMI
- Capacity: 400-500 drip/min

### **Flat Drinker Pipe Perforation Unit:**

- Fully automated operation
- Servo driven and control technology
- Full digital control for dripper and hole positioning
- Programmable control system with touch screen HMI
- Capacity: 250-300 drip/min.

### **Flat Drinker Sizing & Calibration System:**

- Special design for accurate sizing of various parameters in flat dripper pipe production.
- Precision adjustment of sizing entry stage

### **Cross Die-Head:**

- Special design for even thickness distribution
- Pipe thickness range 0.3-0.6mm.

### **Extruder:**

- Bimetallic screw & barrel Ø65mm with 80kW drive.
- Programmable control system & touch screen HMI
- Throughput capacity 200-230 kg/hr

### **Vacuum & Cooling :**

- Stainless Steel Vacuum chamber (6mtr) with dual circuit
- Stainless Steel Cooling units (2x6mtr)
- Pipe air ring dryer at cooling line exit.

### **Take-Off:**

- Dual caterpillar with special quality belts.
- 2x AC geared motor synchronized by electronic drive
- Linear speed capacity: 150 m/min

### **Pipe Winder:**

- Double coil winder
- Electronic tension control
- Servo traversing unit with PLC controller
- Automatic Pipe Accumulator.

