

Communication – July 2021

## Premium Quality Drip Irrigation at Lowest Production Costs: “HyperDrip” Flat Emitter & LIR106 Extrusion Line Combination



Drip Irrigation Market is a rapid growing, highly demanded field, sought after world-wide to assist farmers secure their harvest at high yields - yet at low investment, whilst conserving vast amounts of water and fertilizers.

Field performances of the end product - the drip emitting pipe, has a key role in assuring crop quality and yield. It applies mainly to the water flow precision, as well as consistency during the season. Water supplied to the irrigation system does not always maintain the adequate properties thereby risking the clogging of the Drip Emitter.

THE Machines, together with Pro Tool Switzerland has jointly developed the “HyperDrip” – a flat NPC emitter which addresses to the highest level the two main market demands – Field performances & lower investment.

The Dripper is produced with the Patented Full Hot-Runner system, High precision molding, achieving cycle times down to <2.0 seconds, along with easy handling & low maintenance.

Combining the "HyperDrip" emitter with a "LIR106" extrusion line accomplishes superior end-product quality and field performances – along with unmatched production speeds & lowest production costs.

## Features and benefits

### "HyperDrip" mold

- Very short cycle time, down to 2.0 sec
- High Precision & Uniformity
- Different flow rates quick changeable
- Low maintenance

### "HyperDrip" emitter

- Asymmetrical, non-compensating flat dripper
- Superior flow rate characteristics
- Cost effective, compact design
- Excellent clogging resistance (see Irstea report in Annex 1)

### LIR106 Extrusion Line

- High Speed up to 400m/min
- Laser outlet drilling
- Closed loop QC control system
- Ease of Operation – User Friendly

## Technical data

"HyperDrip" Mold	"HyperDrip" Emitter	LIR106 Extrusion Line
64 or 96 Cavities	Weight ~0.12 gr	Wall thickness 0.125 - 0.90 mm
Full Hot-Runner Patented System	Flow Rate 0.6-2.5 L/h	Line speed max 400 m/min
Cycle time < 2.0 sec	Cv < 3 %	Insert & Punch: 2000 Drip/min max
High quality steel	Pressure range 0.4 – 2.5 Bar	Pitch min 10 cm

For further more detailed information, please don't hesitate to contact us.