



Dripline Laterals Production Lines & Technology
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Metzer Engineering

PRODUCTION LINE SERIES

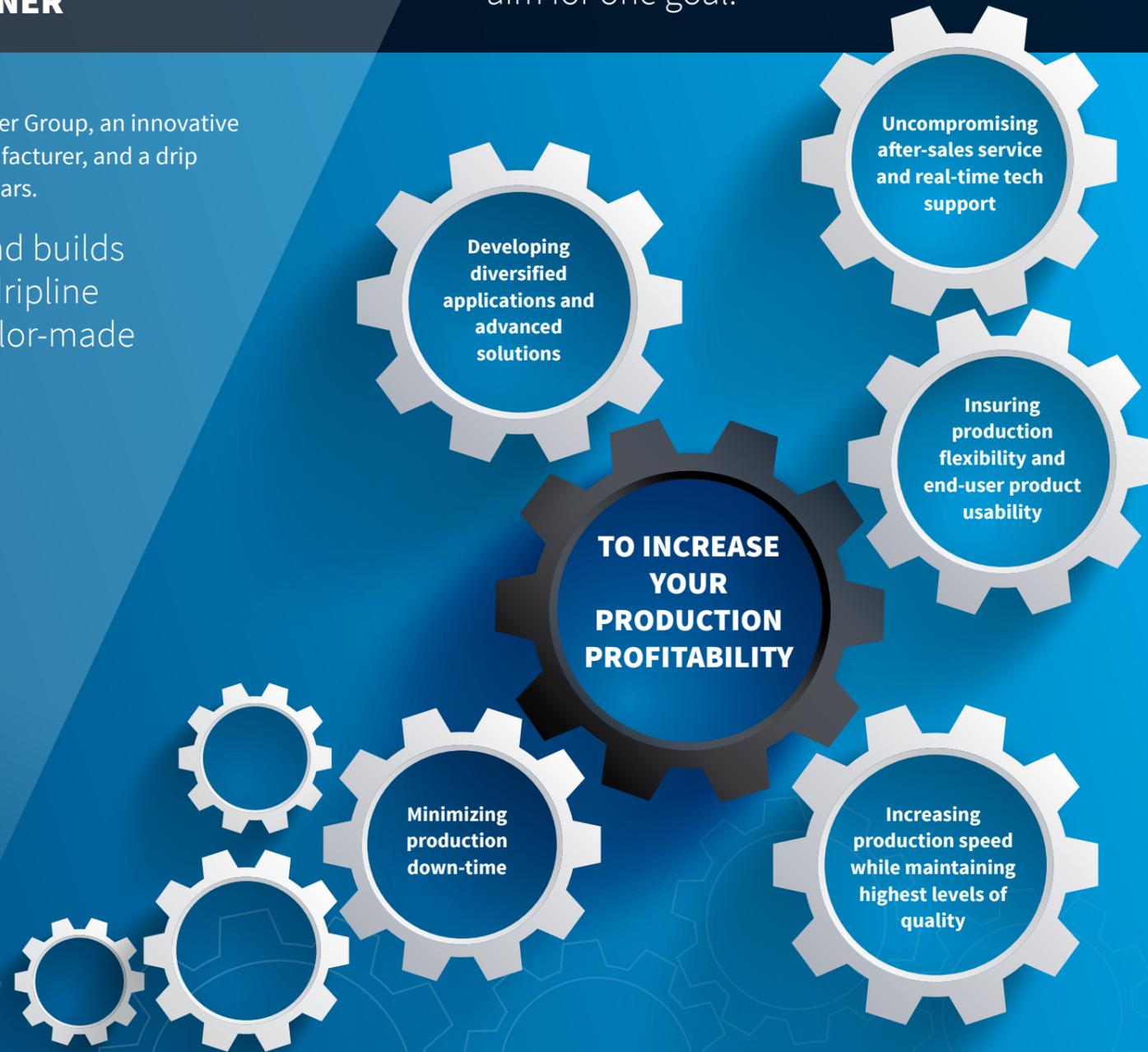


METZER ENGINEERING
YOUR TECHNOLOGY PARTNER

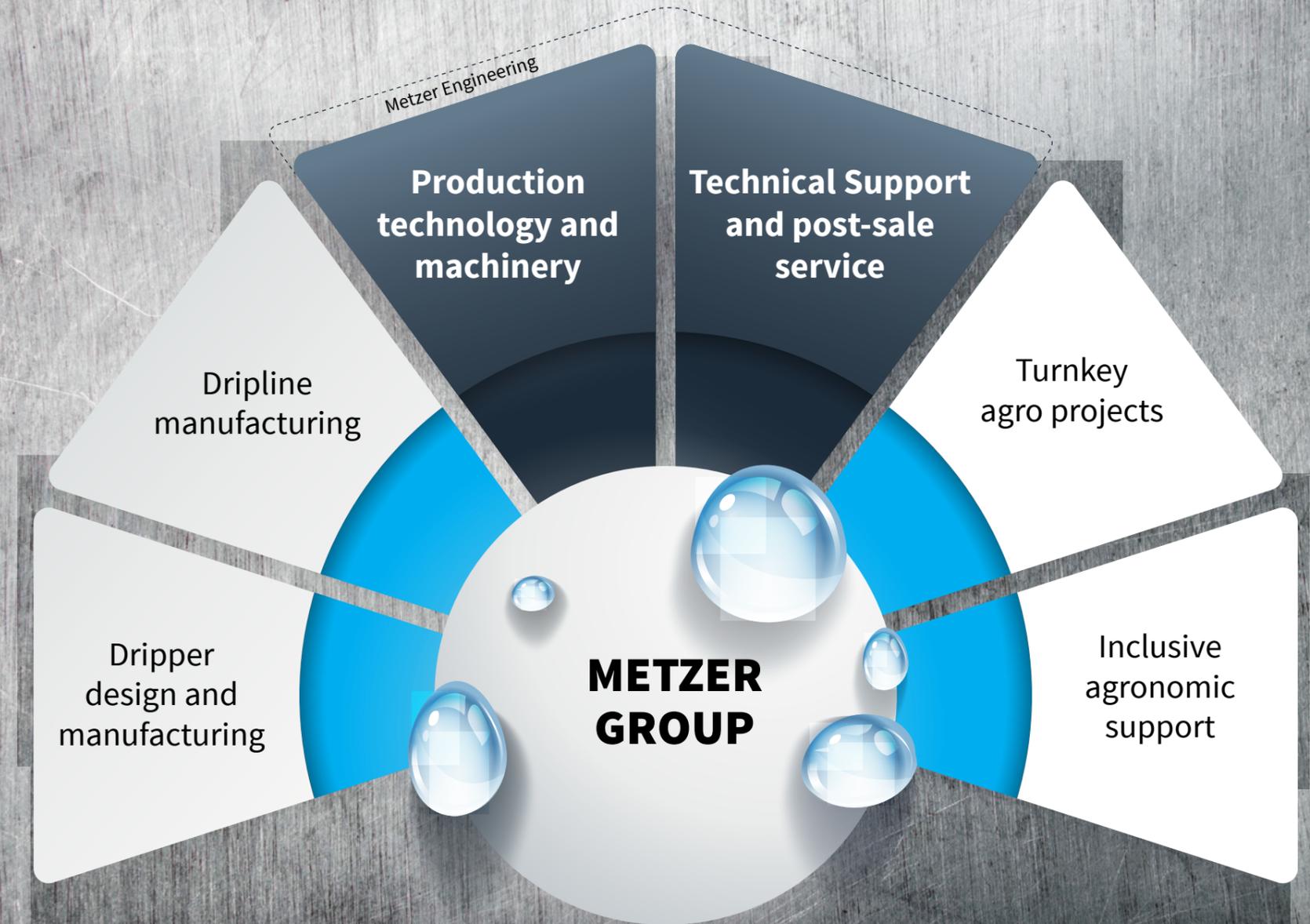
Metzer Engineering is a division within Metzer Group, an innovative drip irrigation systems developer and manufacturer, and a drip irrigation market leader for more than 40 years.

Metzer Engineering designs and builds innovative and cost effective dripline production-lines which are tailor-made to customers' needs.

Our production-lines aim for one goal:



METZER GROUP
A-Z SOLUTION PROVIDER



01 |
METZER NEXO SERIES

High-speed. Reliable. Efficient
Discover Metzer's premium series, featuring state-of-the-art insertion, drilling and visual-feedback systems.



02 |
METZER EXPE SERIES

Advanced. Multi-layer. Diversified
Designed for production of multi-layered driplines. Its innovative design includes a 3-layer extrusion head incorporated into the design.



03 |
METZER HYDO SERIES

Hybrid. Flexible. Dynamic
This uniquely designed series provides unrivaled production flexibility, enabling the manufacturer to answer almost any market demand.



04 |
METZER SPIR SERIES

Legacy. Well-trusted. Heavy-duty
Allows producers to answer the steady market demand for the well-trusted and well-proven cylindrical drippers integrated in a multilayer thick-walled dripline.



05 |
METZER XERO SERIES

Lean solution. Cost-effective. First-class
An affordable high-quality and sustainable solution, suitable mainly for thick-walled dripline manufacturing.



METZER NEXO SERIES

High-speed. Reliable. Efficient

This reliable and efficient high-speed production line is Metzer's flagship product, with a proven track record and global installations. The NEXO series incorporates state-of-the-art insertion, visual-inspection and drilling systems, allowing dripline producers to optimize their production output with higher product quality.

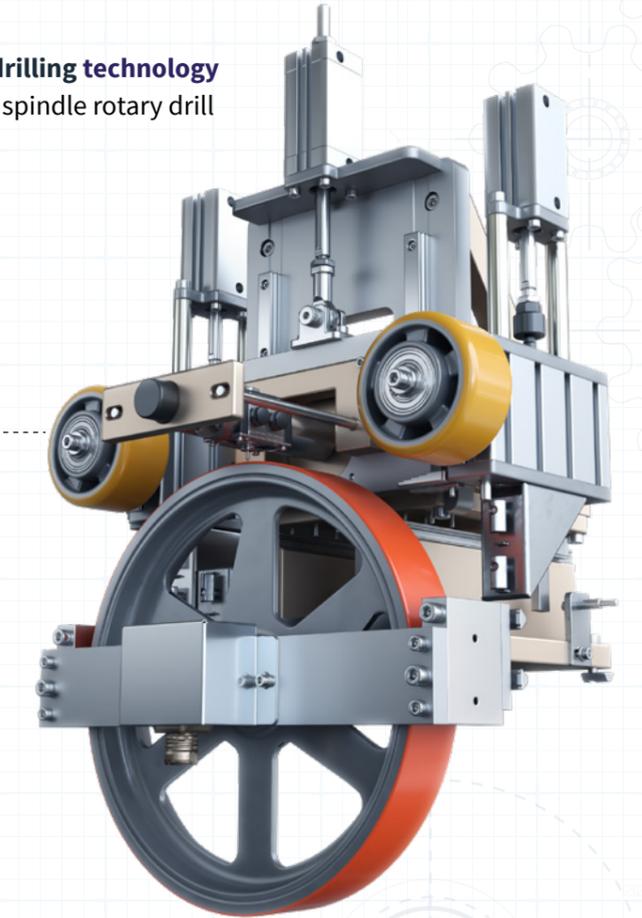
NEXO SERIES FEATURES & OPTIONS

Dripper type	Flat (PC & non-PC)
Max line speed	250 m/min
Insertion rate	1600 drippers/min*
Pipe diameter range	12-25 mm
Wall thickness range	0.15-1.2 mm
Drilling rate	1600 holes/min
Minimum dripper spacing	10 cm
Extruder output	200 Kg/hr
Winder type	Automatic + Accumulator

*Applicable to symmetrical flat drippers

- Flexibility to produce all wall thicknesses and pipe diameters in range
- Can insert all Metzer flat dripper models by replacement of tooling sets (within a two hour set-up time)
- Customizable to customer's preferred extruder brand
- Choice of extruder positioning; parallel or at 90° to production-line
- Adaptable to customer's drippers
- Optional configuration of dripper-spacing in groups of drippers (ideal for orchards and citrus)

Cutting-edge drilling technology using a turbine spindle rotary drill



METZER EXPE SERIES

Advanced. Multi-layer. Diversified

This series is designed for production of multi-layered driplines. Its innovative design includes a 3-layer extrusion head incorporated into the design, allowing varied production of driplines for diversified applications such as; Rootguard®, Anti-bacterial, usage of recycled raw-material and more. This line is suitable for experienced producers who wish to improve production profitability, introduce innovative and advanced products to their markets and gain technological advantage over their competitors.

EXPE SERIES FEATURES & OPTIONS

Dripper type	Flat (PC & non-PC)
Max line speed	200 m/min*
Insertion rate	1000 drippers/min**
Pipe diameter range	12-25 mm
Wall thickness range	0.15-1.2 mm
Drilling rate	1000 holes/min
Minimum dripper spacing	10 cm
Extruder output	320 Kg/hr
Winder type	Automatic + Accumulator

* Applicable to thin-wall pipe production only

** Applicable to symmetrical flat drippers

- Production of multilayer pipe with ABA/ABC, configurations
- Incorporation of applicative layers such as: Anti-bacterial, Rootguard®, recycled raw-material
- Flexibility to produce all wall thicknesses and pipe diameters in range
- Adaptable to customer's preferred extruder brand
- Adaptable to customer's drippers
- Optional configuration of dripper-spacing in groups of drippers (ideal for orchards and citrus)

Multi layers

Extrusion Head



METZER HYDO SERIES

Hybrid. Flexible. Dynamic

This innovative hybrid series is uniquely designed by Metzer for the production of driplines with both flat and cylindrical drippers (PC and non-PC). Its creative design provides an unrivaled flexibility, as it allows production of the widest product range in the market, enabling the manufacturer to answer almost any market demand. Whether it is a robust cylindrical PC dripper or an advanced light-weight flat dripper - this line can cope with the challenge.

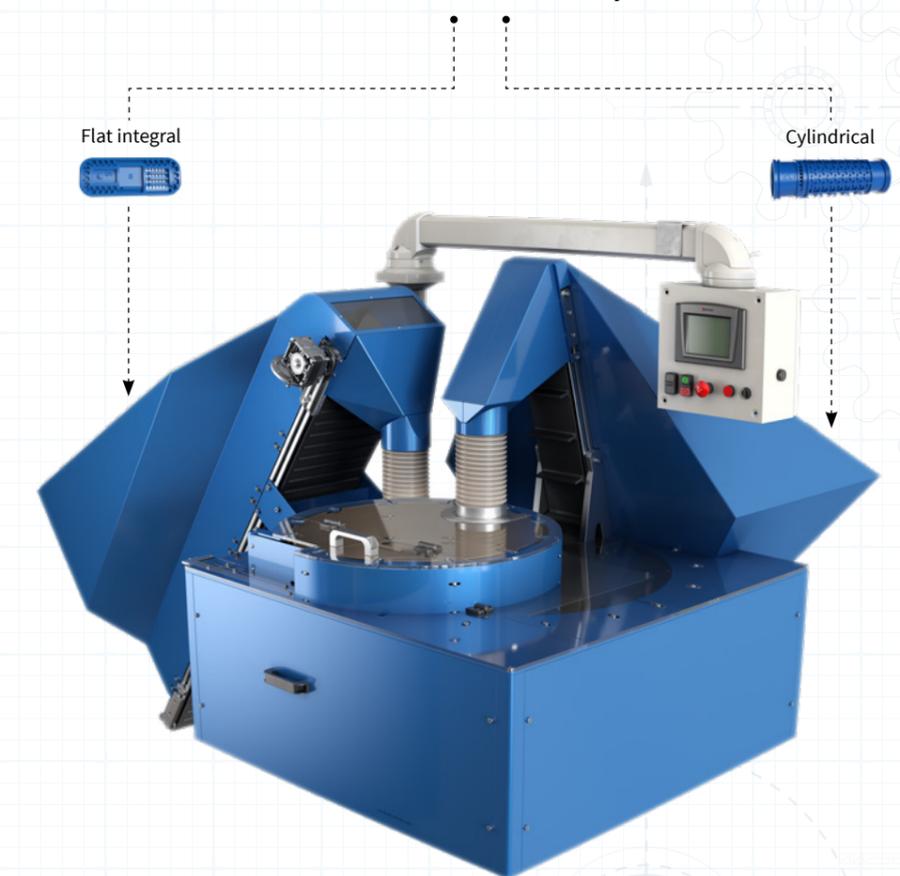
HYDO SERIES FEATURES & OPTIONS

Dripper type	Flat/cylindrical
Max line speed	200/120 m/min
Insertion rate	1000*/600 drippers/min
Pipe diameter range	12-25 mm
Wall thickness range	0.15-1.2 mm
Drilling rate	1000/600 holes/min
Minimum dripper spacing	10 cm
Extruder output	320 Kg/hr
Winder type	Automatic Coiler & accumulator + Semi-automatic coiler

* Applicable to symmetrical flat drippers

- Flexibility to produce all wall thicknesses and diameters in range
- Can insert all of Mezer's flat/cylindrical drippers
- Changing between flat and cylindrical drippers types takes one day's work
- Optional configuration of dripper spacing in groups of drippers (ideal for orchards and citrus)

Double Function Insertion System



METZER SPIR SERIES

Legacy. Well-trusted. Professional

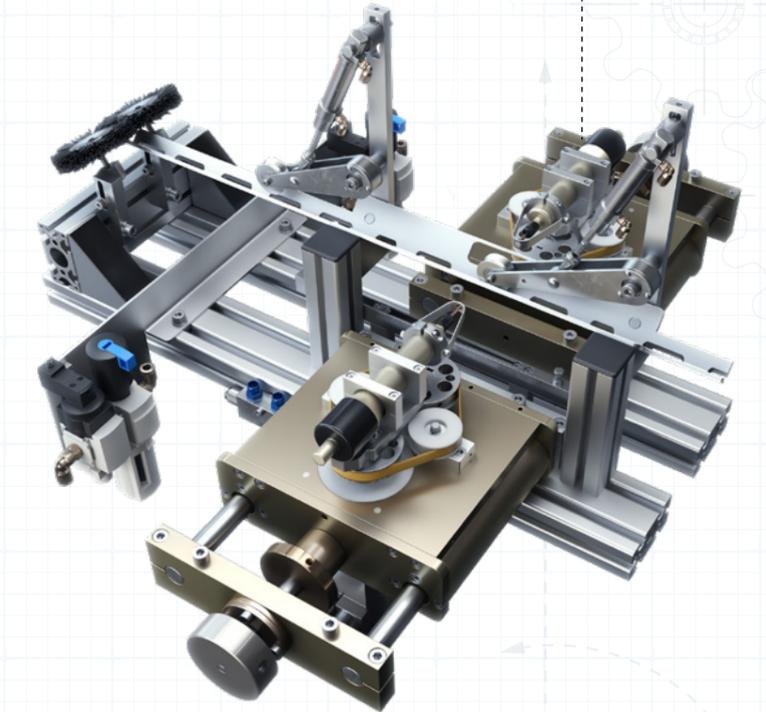
This series enables dripline producers to answer the steady market-demand for the well-trusted and well-proven cylindrical drippers. Line design includes a 3-layer cross-head for production of multilayer driplines and incorporation of various applications and configurations.

SPIR SPECIAL FEATURES & OPTIONS

Dripper type	Cylindrical
Max line speed	120 m/min
Insertion rate	600 drippers/min
Pipe diameter range	12-25 mm
Wall thickness range	0.6-1.2 mm
Drilling rate	600 holes/min
Minimum dripper spacing	10 cm
Extruder output	320 Kg/hr
Winder type	Semi-automatic

- Production of multilayer pipe with ABA/ABC, configurations
- Incorporation of applicative layers such as: Anti-bacterial, Rootguard®, recycled raw-material
- Flexibility to produce all wall thicknesses and pipe diameters in range
- Adaptable to customer's preferred extruder brand
- Choice of extruder positioning; parallel or at 90° to production-line
- Adaptable to customer's cylindrical dripper
- Optional configuration of dripper-spacing in groups of drippers (ideal for orchards and citrus)

Cylindrical Drippers
Drilling System



METZER XERO SERIES

Lean solution. Cost-effective. First-class

This series presents an affordable high-quality solution for price-oriented business environments, providing a sustainable solution that insures profitable production even when margins are tight and seasonal demands change frequently.

XERO SERIES FEATURES & OPTIONS

Dripper type	Flat (PC & non-PC)
Max line speed	150 m/min
Insertion rate	1000 drippers/min*
Pipe diameter range	12-25 mm
Wall thickness range	0.15-1.2 mm
Drilling rate	1000 holes/min
Minimum dripper spacing	10 cm
Extruder output	140 Kg/hr
Winder type	Automatic

*Applicable to symmetrical flat drippers

- Flexibility to produce all wall thicknesses and pipe diameters in range
- Can insert all Metzer flat dripper models by replacement of tooling sets (within a two hour set-up time)
- Adaptable to customer's drippers
- Optional configuration dripper-spacing in groups of drippers (ideal for orchards and citrus)

