

MULTILAYER PIPE LINES - NEXT GENERATION

Presentation of the MFWL063 (5L) – Multilayer Forming and Welding Line

THE Machines presents its latest MFWL 063 line (Multilayer Forming and Welding Line up to 63 mm OD) for the production of multilayer composite metal/plastic pipes

The line features the latest in user-friendly operating line controls and most important key end-product quality indicators. In the past decade the evolution and transformation in artificial intelligence, real-time data collection, Industry 4.0 and robotics have been playing an ever increasing role in tube and pipe production plants worldwide.

Having on-board a fully integrated, easy-to-understand process and quality monitoring and management system is a must in today's manufacturing environment. THE's PCS 400 XM system combines all In-One the vital process quality monitors from plastic inner tube and inner adhesive extrusion, metal tape handling, forming and laser welding as well as the final outer layer co-extrusion.

Features and benefits

- A wide range of speeds
- Optimal manufacturing of each product size
- Very short production lead times
- Only 1 line for all dimensions (between 16-63 mm)
- *Each product at its optimum speed :*
 - Small dimensions at highest speeds
 - Big dimensions at competitive speeds

T.H.E. modular system solution (for metal part)

- Endless tape provision
- Forming and laser welding
- Man machine interface
- Online seam control
- Metal tube compacting
- Tube pulling



<https://youtube.be/rm3bk2dE1wU>

Technical data

MFWL 063-5L:

Pipe diameter	Ø16 - 63 mm
Pipe Wall thickness	2.0 - 6.00 mm
Speed range	3-60 m/min ⁻¹ Geared up to 80 m/min ⁻¹
Drip max insertion & punch	Alu 0.15 - 0.60 mm (or on request) Stainless Steel 0.10 - 0.30 mm
Pitch min	PE-HD/PE-RT