

Communication – September 2020

NEW FWM LONGITUDINAL METAL TAPE FORMING - WELDING - MACHINE

COMPACT – MODULAR – ERGONOMY IN TUBE FORMING AND WELDING

THE Machines Yvonand SA presents the latest Forming and Welding Line FWM LATIG, as part of the technology continuous improvement process. Process stability, operational excellence, as well as operator safety are of paramount importance in any production environment.

This new FWM LATIG brings a number of new features and innovations to further enhance productivity, product quality and offering production versatility and flexibility.

This new machine is specifically equipped with the capabilities of utilizing customer existing forming benches and traditional TIG welding, with its own seam tracking unit, as well as latest Laser Welding Technology and state-of-the-art high performance orbital seam tracking unit.



Available on  YouTube https://youtu.be/iQ7ucLi_Uno

The key performances of our technologies

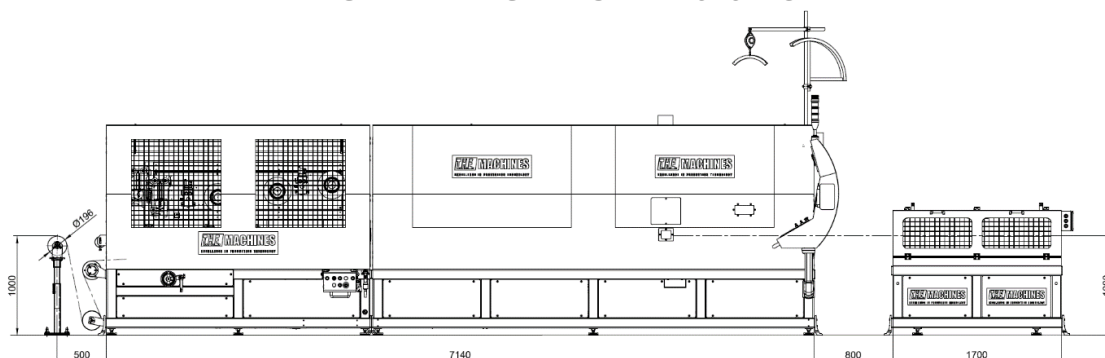
- Stable and constant working speed from 0 to + 60 m/min
- Rapid product change over
- Reduced, easy set-up time and alignment
- Strip tension management system for down-stream forming

FWM Forming – LATIG Welding - Machine

FWM LATIG Features

- Special execution for forming and welding TIG and LASER welding
- Specifically designed to accommodate both - customer-own forming benches for TIG welding as well as high performance forming tools for Laser welding
- TIG seam welding as well as precision Orbital Seam Tracking unit for LASER welding only
- Integrated weld seam quality ECC 100 eddy current check mounted on tracking unit
- Welding stand is constructed and designed for easy rapid forming tools change
- Compact with **minimal foot print**. Ergonomic design. All the processes of tape feeding and roll-forming, TIG and Laser welding, are housed in one dedicated protective unit.
- Respecting all safety requirements, designed for location in continuous production environment and with easy access to all elements
- Engineering = Robust, Execution = Precise, the System permits long-term line performance
- Integrated inner tube threading aid unit(PGS) available for composite pipe production lines
- **LCP (Longitudinal Cutting/Calibration and Pulling)** tape preparation module as standard or can be added at entry to Forming Welding Stand (Tape Cutting, Centering, Trim Winding and Pulling – Tape Haul-Off)
- Excellent accessibility to all components
- Easy mechanical maintenance of the capstan, easy access to knives adjustment
- Easily accessible cable duct for easy integration and clean wiring of electrical elements that can be added later by the customer
- Very good supervision and visibility of the working area with the door closed

LCP with FWM LATIG and CPC tube calibration and compacting station *MACHINE DEPICTED IS FWM 040 MODEL*



Technical data

Model Types	LCP	FWM 012	FWM 020	FWM 040	FWM 063
Tube Diameter mm	√	1.5 to 12 mm	12 to 20 mm	16 to 40 mm	32 to 65 mm
Speed m/min		0 – 60 m/min	0 – 60 m/min	0 – 60 m/min	0 – 60 m/min
Tape materials	Steel, Stainless Steel, Aluminium and Aluminium alloys, Copper				
Applications	FIST/OPGW, Alloy Tubes, Composite Pipes Plastic/Metal/Plastic				

The values presented in this publication are typical values and are not to be interpreted as product specifications.

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