

# *PL Film Applicator Machines*



*For the protection of  
processed surfaces*



**IMEAS**

# Highlights & Features

The **PL** series of laminating machines are designed to protect the polished surfaces from dust and scratches by applying a self-adhesive plastic film.

The film application is always done automatically as part of a working cycle or at the simple push of a button, while the cutting can be manual or automatic.

The patented "**Zero overlap technology**" allows to cut the coating film precisely at the beginning and at the end of each sheet by means of the Imeas' **TZ Blade™**: without leftovers the sheets will not stick to each other!

The **PL** machines are suitable for application on coils, sheets and plates. Optionally, multiple film reels as well as top & bottom film application are available. The **PL** machines are available in three main models:

- **PL-TM** is a manually operated machine suitable for sheet-to-sheet lines and ideal for coil-to-coil lines. The protective film is cut by the operator.
- **PL-TA** is equipped with a guillotine-style blade and an electronic positioning system to cut the PVC film between two plates. It is intended to be used in fully automated sheet-to-sheet lines.
- **PL-TZ** represents the state-of-the-art among Imeas PL machines and uses the patented **TZ Blade™** to achieve a "zero-overlap" cut by removing a strip of film in between two sheets. This machine is intended to be used in fully automated sheet-to-sheet lines and

it is especially useful when the metal sheets have to be processed by automatic handling and forming systems.



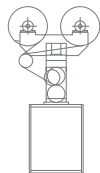
## STANDARD FEATURES

- Two top film reels
- Manual or electronic thickness adjustment
- Braking system for variation of film tension
- Chromed, steel roll for PVC film tensioning
- Long-life grease lubricated bearings
- Manual alignment of the film
- Wide screen with touch panel graphical interface (PL-TA and PL-TZ only)
- IMEAS patented TZ Blade™ for non-overlapping film cutting with integrated strip removal (PL-TZ only)
- PLC Siemens S7 with ProfiNET™ connection

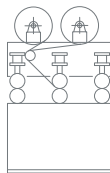
## OPTIONAL FEATURES<sup>(1)</sup>

- Bottom application of film
- Top or bottom revolver with up to 4 film reels
- PLC Allen-Bradley

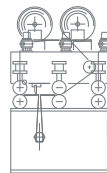
# Technical data sheet



PL-TM



PL-TA



PL-TZ

Model	PL-TM	PL-TA	PL-TZ
Cutting technology	Manual	Guillotine shear	TZ Blade™
Suggested for	Coil & plates	Sheet & plates	Sheet & plates
Bottom coating	Optional	Optional	n/a
Cycles/min <sup>(2)</sup>	n/a	up to 3 cpm	up to 5 cpm
Useful widths	1600 - 2100 mm	1600 - 2200 - 2600 - 3200 mm	
Thickness range	0,4÷15 mm as standard up to 300 mm on request		
No. of film reels	2 as standard and up to 4 as option		
Film roll diameter <sup>(3)</sup>	Inner 76,2 mm (3 in); outer up to 450 mm		
Feeding speed	up to 40 m/min		
Feed motor	1,1 kW	5,5 kW brush-less type	
Machine weight <sup>(4)</sup>	1.500 kg	2.500 kg	2.850 kg

## NOTES

1. Some of these features may be available at extra price.
2. The number of cycles/minute (cpm) is referred to a sheet of 3000 mm length
3. On some configurations the maximum outer diameter may be limited to 400 mm.
4. Data referred to working width of 1600 mm

IMEAS spa reserves the right to change any data without notice.

Metalworking Solutions

WWW.IMEAS.IT

IMEAS SPA  
VIA PACINOTTI, 36 - VILLA CORTESE - 20020 MILANO, ITALY  
TEL.+39 0331 4630 11 - FAX.+39 0331 4323 11