



- Plug & Work
- Easy and intuitive operation
- Compact design
- Versatility

 **Enimac**
Tape Application Made Easy

PRODUCTS

STAND-ALONE MACHINES

■ X-TREME LIGHT 700 AND X-TREME LIGHT 1000	s. 3
■ X-TREME PRO	s. 9
■ XT CARTESIAN 2	s. 14
■ XT CARTESIAN 3	s. 18
■ XT PICK & PLACE	s. 21
■ X-TREME PRO e-commerce	s. 24

XT applicators for the packaging sector

■ XT LIGHT	s. 29
■ XT PRO	s. 32

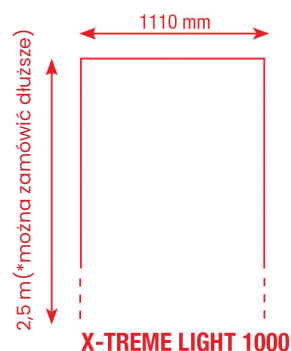
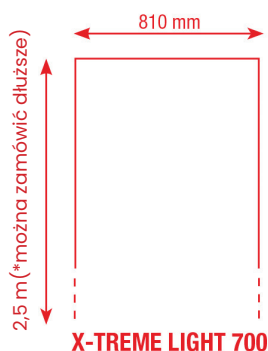
XT applicators for industrial applications

■ XT INDUSTRIAL	s. 38
■ XT COMPACT	s. 40

X-TREME **LIGHT** 700 AND X-TREME **LIGHT** 1000



Small/medium formats – two models for formats up to 700mm (28”) or 1000mm (40”) wide up to 10mm (3/8”) thick: 2 to 4 25mm (1”) or 50mm (2”) tape applicators independently programmed on a touchscreen applying multiple differently-configured strips in one pass. Apply tapes at speeds up to 35m (115’)/min
Print, point of sale, packaging, plastics, signage applications.



CHARACTERISTICS

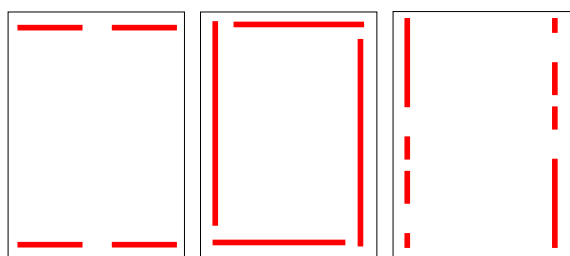
Characteristics	X-TREME LIGHT 700
Widest format of substrate (accepted - edges taped)	810mm (31.9") - 730mm (28.7")
Thickest substrate	10mm (nieco ponad 3/8")
Shortest strip of tape	25mm (1")
Longest strip of tape (*can order longer)	2,5m (8')
Maximum number of consecutive tape strips ("spots") per sheet (*can order more)	4
Minimum distance between consecutive tape strips	25mm (1")
Minimum distance between parallel tape strips (with 2 applicators side-by-side)	47mm (1.85")
Structure	Desktop + optional tables
Speed	10m (33')/min - 35m (115')/min
Maximum number of tape applicators	3
Standard tape applicator (tape width) 25mm	3mm (0.12") - 25mm (1")
Optional tape applicator (tape width) 50mm	3mm (0.12") - 50mm (2")
Optional tape applicator (tape width) 100mm	3mm (0.12") - 100mm (3.9")

Characteristics	X-TREME LIGHT 1000
Widest format of substrate (accepted - edges taped)	1110mm (43.7") - 1000mm (40")
Thickest substrate	10mm (nieco ponad 3/8")
Shortest strip of tape	25mm (1")
Longest strip of tape (*can order longer)	2,5m (8')
Maximum number of consecutive tape strips ("spots") per sheet (*can order more)	4
Minimum distance between consecutive tape strips	25mm (1")
Minimum distance between parallel tape strips (with 2 applicators side-by-side)	47mm (1.85")
Structure	Desktop + optional tables
Speed	10m (33')/min - 35m (115')/min
Maximum number of tape applicators	4
Standard tape applicator (tape width) 25mm	3mm (0.12") - 25mm (1")
Optional tape applicator (tape width) 50mm	3mm (0.12") - 50mm (2")
Optional tape applicator (tape width) 100mm	3mm (0.12") - 100mm (3.9")

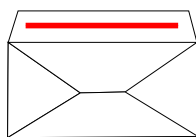
APPLICATION PATTERNS

Our standard machines are used for various product formats: posters, envelopes, pocket folders, packaging, wobblers and free-standing display units. Applying tape on one side, both sides, and all the way around the

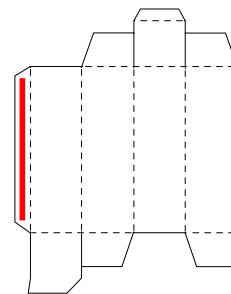
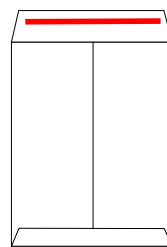
product but also applying several shorter consecutive strips (so-called "spots" of tape), putting the right amount of tape where it's needed.



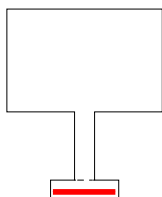
Posters



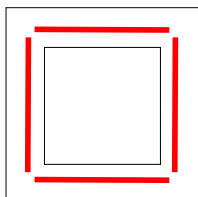
Envelopes



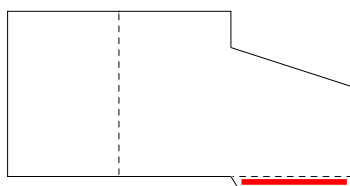
Packaging



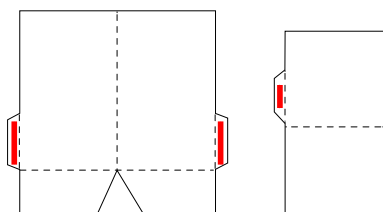
Wobblers



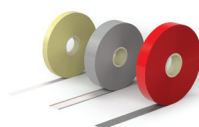
Box windows



Folders



APPLICABLE TAPES



Some tapes are easier to automate than others, but whether your project requires applying a mono-sided masking tape, a transfer tape, a double-sided modified acrylic adhesive with PET carrier and paper liner, a double-sided polyethylene foam tape with modified acrylate adhesive and paper liner, or a double-sided

tackified acrylic adhesive with PET carrier and a red MOPP-film liner or many others, our applicators are designed to apply many types of tape, including extended liner (aka fingerlift) tapes, and we are continuing to expand our capabilities.

FUNCTIONALITY



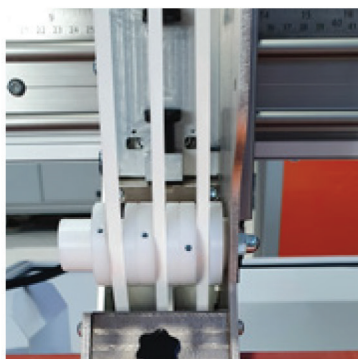
Precise micrometric adjustment of the applicator beam height accommodating substrates up to 10mm thick



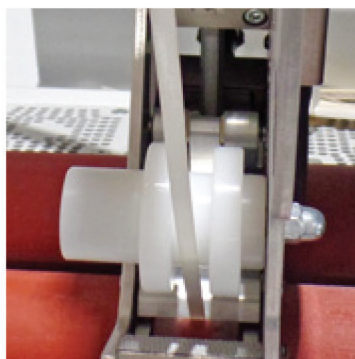
Laser-assisted applicator guidance to quickly position them where tape is required



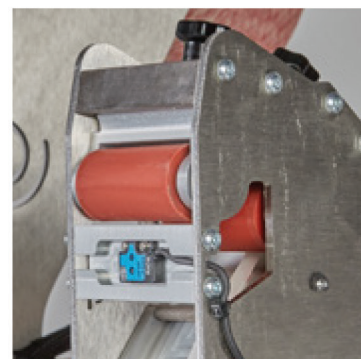
Multi-job software capable of saving machine settings for up to 100 jobs



Ability to apply more than one roll of tape on the same applicator for close parallel tape strips



Ability to apply tape strips starting at 3mm wide



The photocell "sees" many types of substrate material: black, transparent, reflective.. and allows easy placing of tape around die-cut holes

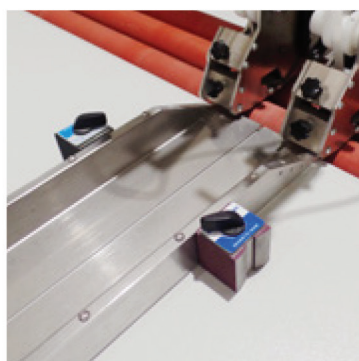
ACCESSORIES



Movable support table to easily position the machine where needed



Unloading slide with alignment guides for orderly collection of processed jobs



Magnetic feeding guides for quick and accurate substrate alignment



Feeder with its own support on wheels for the automatic insertion of the sheets to be processed

X-TREME PRO



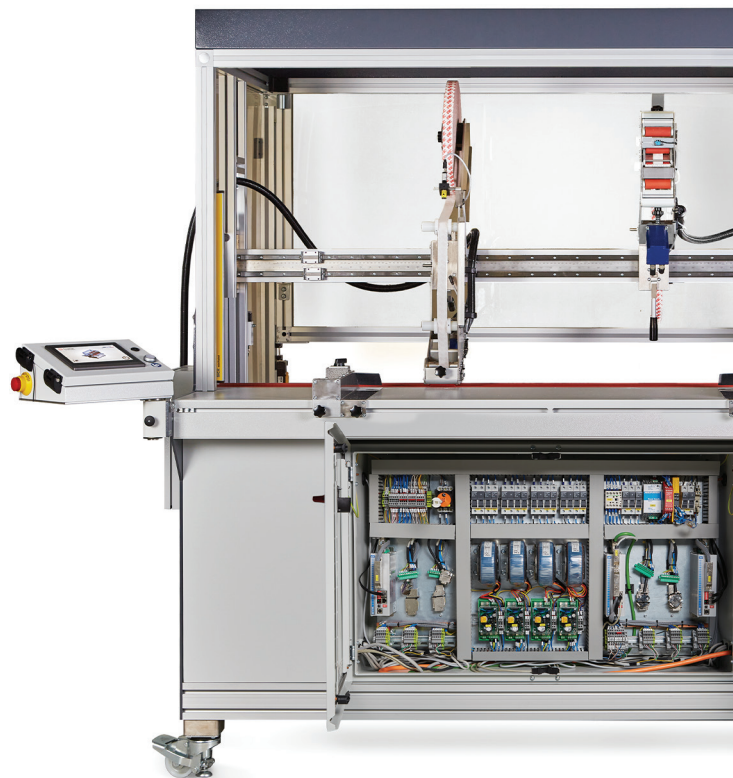
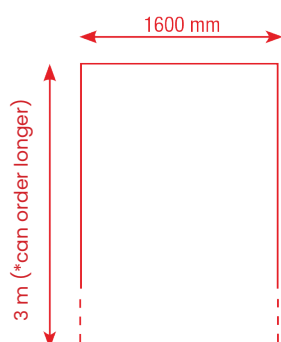
video on Youtube

X-TREME PRO

Large format – up to 1600mm (63”) wide and 15mm (just under 5/8”) thick: 2 to 6 30mm (1.2”) or 60mm (2.4”) tape applicators independently programmed on a touchscreen applying multiple differently-configured strips in one pass.

Apply tapes at speeds up to 50m (164’)/min.

Large (and small) format print, point of sale, packaging, plastics, signage applications.

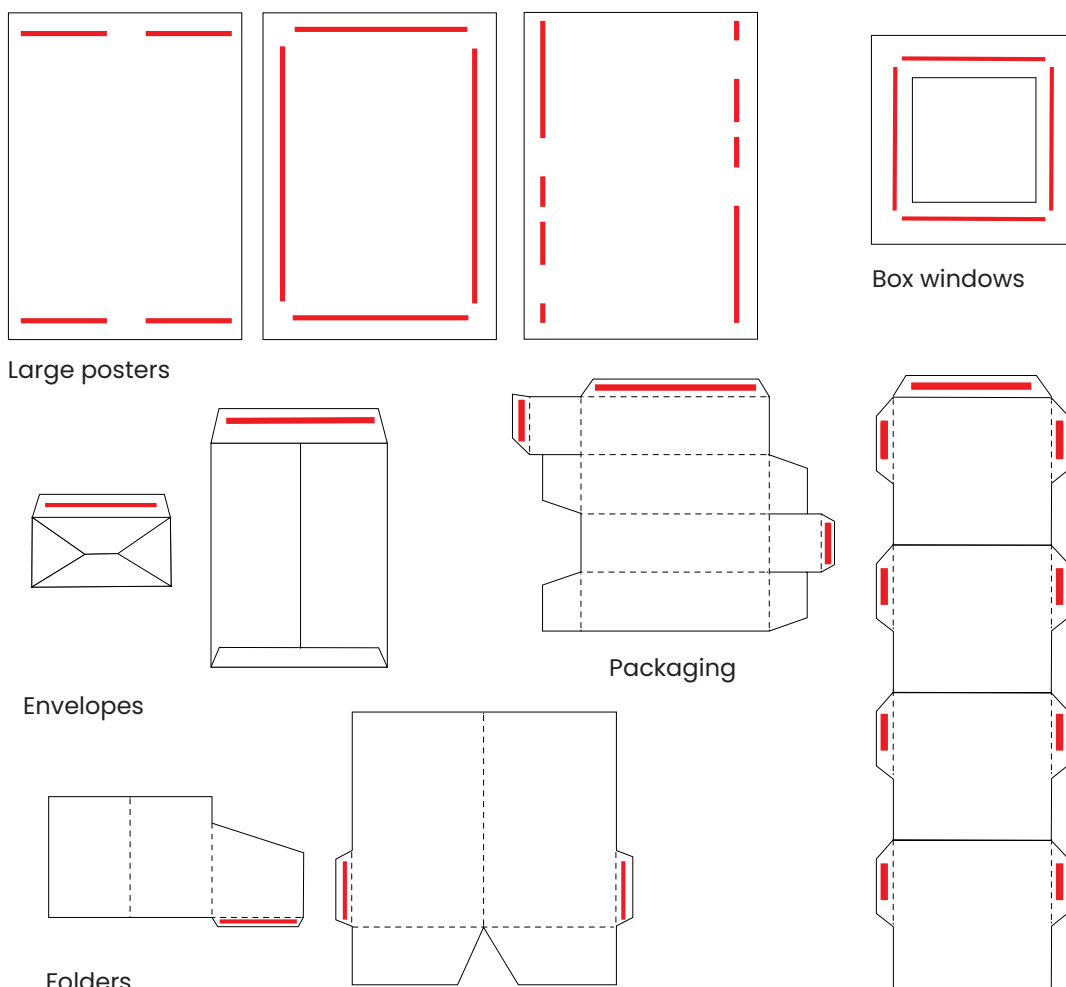


Characteristics	X-TREME PRO
Widest format of substrate (accepted – edges taped)	1600mm (63”)
Thickest substrate	15mm (just under 5/8”)
Shortest strip of tape	25mm (1”)
Longest strip of tape (*can order longer)	3,0m (10’)
Maximum number of consecutive tape strips (“spots”) per sheet (*can order more)	4
Minimum distance between consecutive tape strips	25mm (1”)
Minimum distance between parallel tape strips (with 2 applicators side-by-side)	66mm (2.6”)
Structure	Complete mobile unit
Speed	10m (33’)/min – 50m (164’)/min
Maximum number of tape applicators	6
Standard tape applicator (tape width) 30mm	6mm (0.24”) – 30mm (1.2”)
Optional tape applicator (tape width) 60mm	6mm (0.24”) – 60mm (2.4”)

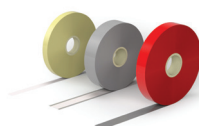
APPLICATION PATTERNS FOR SMALL AND LARGE FORMAT

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product but also applying several shorter consecutive strips (so-called "spots" of tape), putting the right amount of tape where it's needed.



APPLICABLE TAPES



Some tapes are easier to automate than others, but whether your project requires applying a mono-sided masking tape, a transfer tape, a double-sided modified acrylic adhesive with PET carrier and paper liner, a double-sided polyethylene foam tape with modified acrylate adhesive and paper liner, or a double-sided tackified acrylic adhesive with PET carrier and a red

MOPP-film liner or many others, our applicators are designed to apply many types of tape, including extended liner (aka fingerlift) tapes, and we are continuing to expand our capabilities.

FUNCTIONALITY



Precise micrometric adjustment of the applicator beam height accommodating substrates up to 15mm



Laser-assisted applicator guidance to quickly position them where tape is required



Multi-job software capable of saving machine settings for up to 100 jobs



"Automatic zero" on the applicator motors speeds up the set-up process



Ability to apply two rolls of tape on the same applicator for close parallel tape strips



The photocell "sees" many types of substrate material: black, transparent, reflective.. and allows easy placing of tape around die-cut holes



Safety barriers stop the machine immediately if tripped during operation avoiding injury



Magnetic feeding guides for quick and accurate substrate alignment



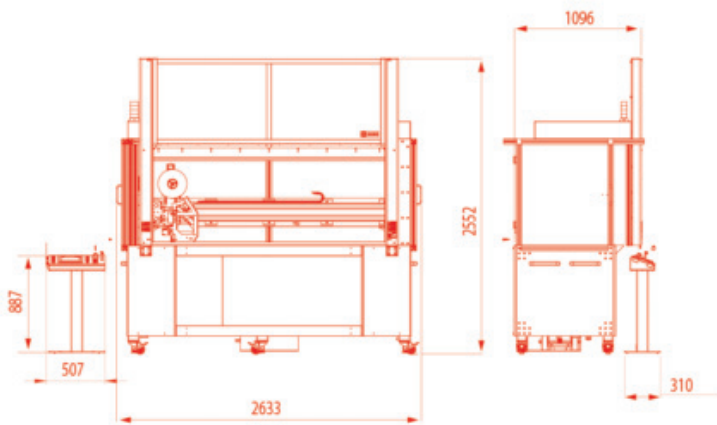
XT CARTESIAN 2



XT CARTESIAN 2

XT Cartesian 2 can be mounted with one or more applicators for the application of adhesive tape even on non-uniform surfaces. The applicator moves on 2 orthogonal axes consisting of linear actuators with toothed belt transmission that guarantees precision and high speed.



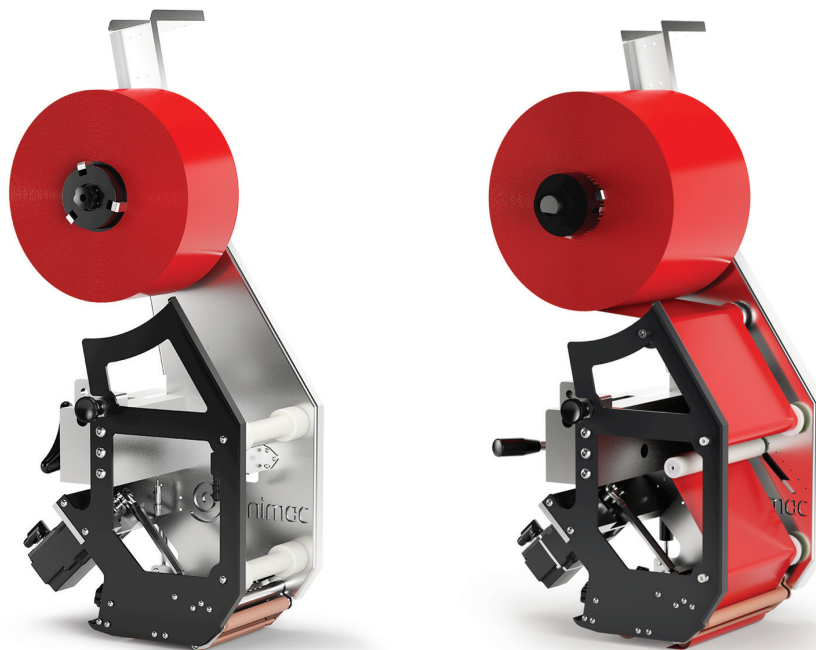


The system can also be configured for simple integration into existing systems. XT Cartesian 2 offers application speeds up to 120m/min. and applies adhesive tape without air pockets. XT Cartesian 2 complies with Industry 4.0 and can be controlled via company MES. specific dimensions.

XT Cartesian 2 can be configured or built to customer-specific dimensions.

XT CARTESIAN 2 **APPLICATORS**

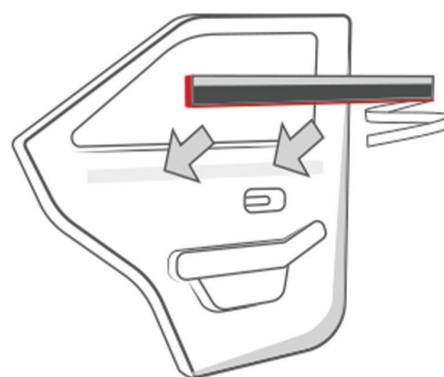
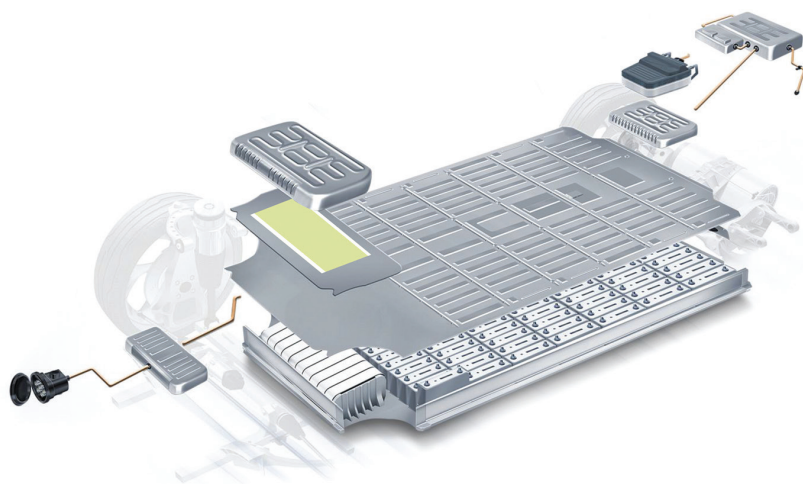
XT Cartesian 2 can be mounted with different applicator types, for example from 30mm up to 200mm and single and double-sided adhesive tapes depending on the type of processing required, even the most complex. The 2-axis system can be integrated into existing systems.



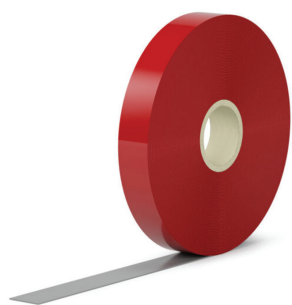
POSSIBLE APPLICATION TEMPLATES

XT Cartesian 2 offers a linear application station for single and double-sided adhesive tape suitable for integration into a production process. Xt Cartesian 2 is used in a variety of areas including the automotive,

naval and electronic sectors for applications on substrates ranging from the simplest to the most complex.



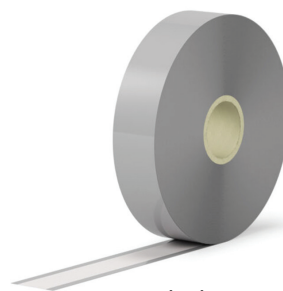
APPLICABLE TAPES



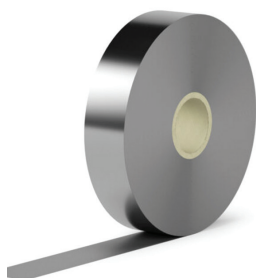
Double-sided foam tapes



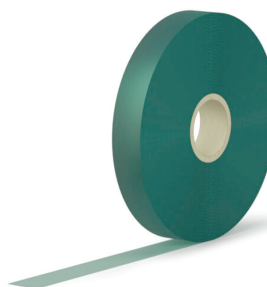
TNT/PET/PPL thin double-sided adhesive tapes



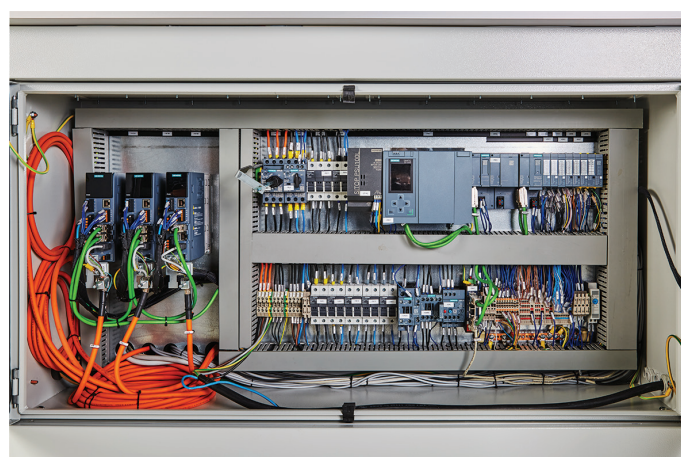
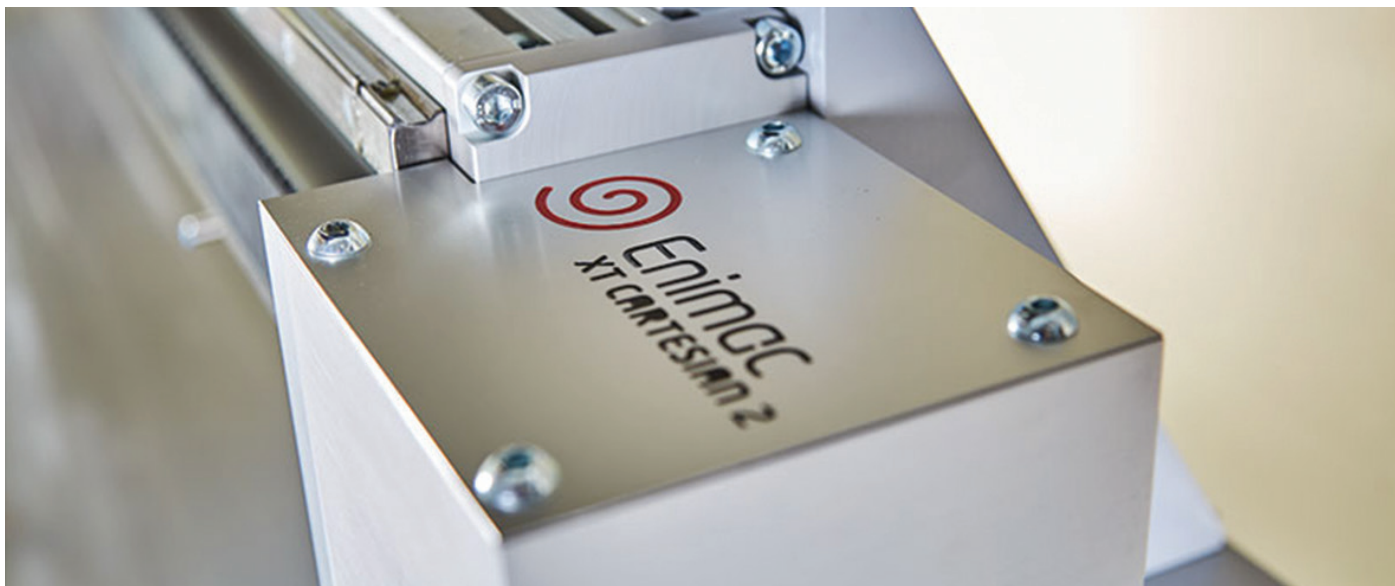
Spooled tapes



Single-sided adhesive tapes

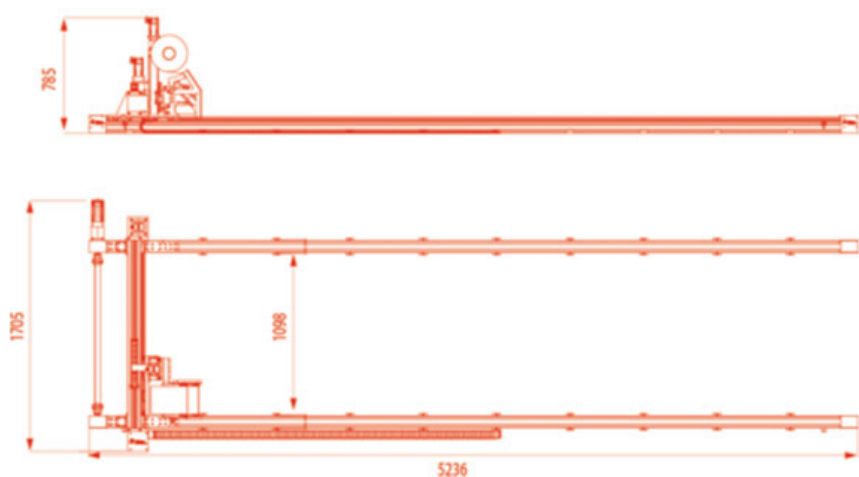


Masking tapes



XT CARTESIAN 3

XT Cartesian 3 can be mounted with one or more applicators and apply tape strips in parallel even on non-uniform surfaces. The applicator moves on 3 orthogonal axes consisting of linear actuators with toothed belt transmission that ensure precision and high speed.

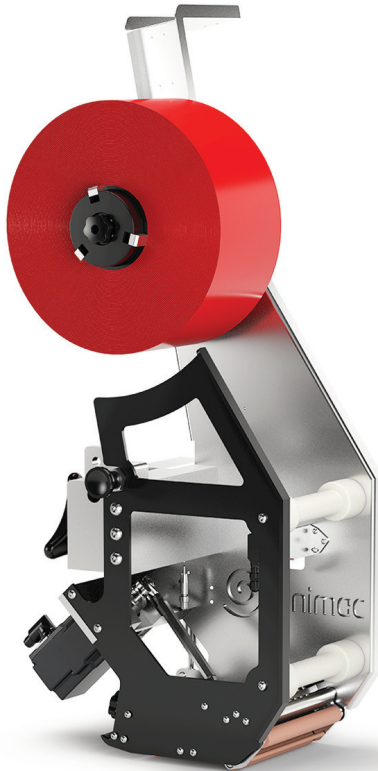


The system can also be configured for simple integration into existing systems. XT Cartesian 3 complies with Industry 4.0 and can be controlled via company MES.

XT Cartesian 3 can be configured or built to customer-specific dimensions.

APLIKATORY XT CARTESIAN 3

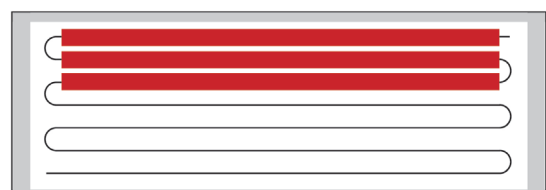
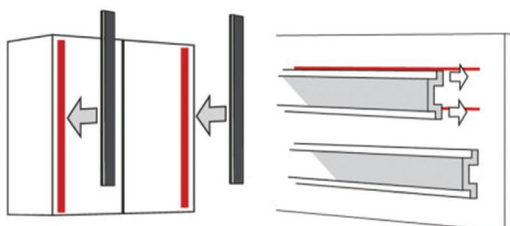
XT Cartesian 3 can be mounted with different applicator types, for example from 30mm up to 200mm and single and double-sided adhesive tapes depending on the type of processing required, even the most complex. The 3-axis system can be integrated into existing systems.



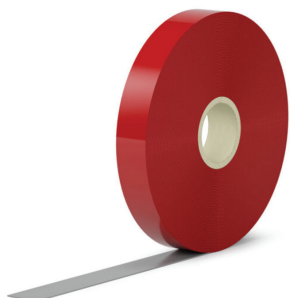
APPLICATION TEMPLATES

XT Cartesian 3 can apply tape strips in parallel even on non-uniform surfaces. XT Cartesian 3 is used in a variety of areas including the furniture, household appliance

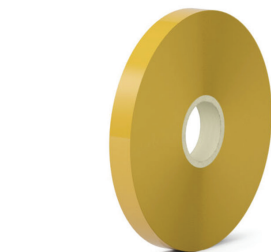
and automotive sectors and in sectors requiring the application of multiple large adhesive strips in parallel.



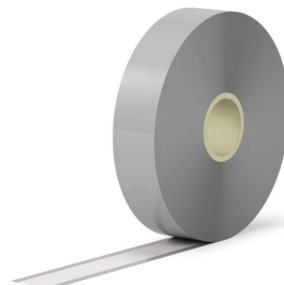
APPLICABLE TAPES



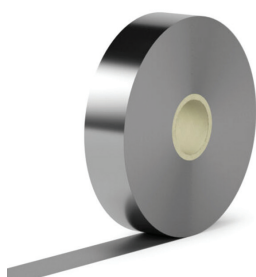
Double-sided foam
tapes



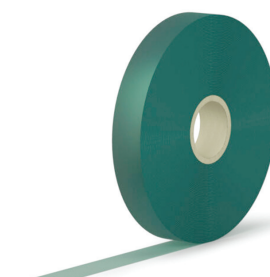
TNT/PET/PPL
thin double-sided adhesive tapes



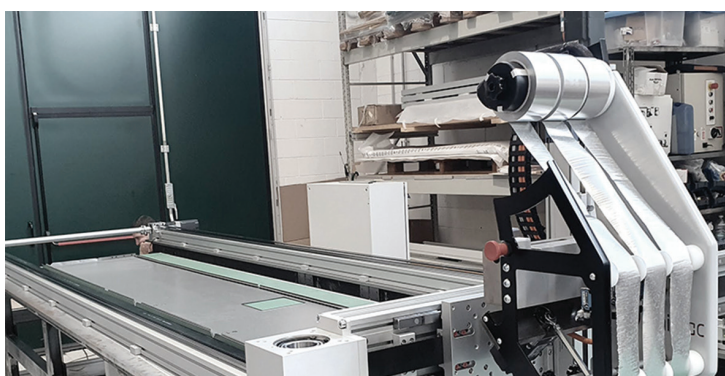
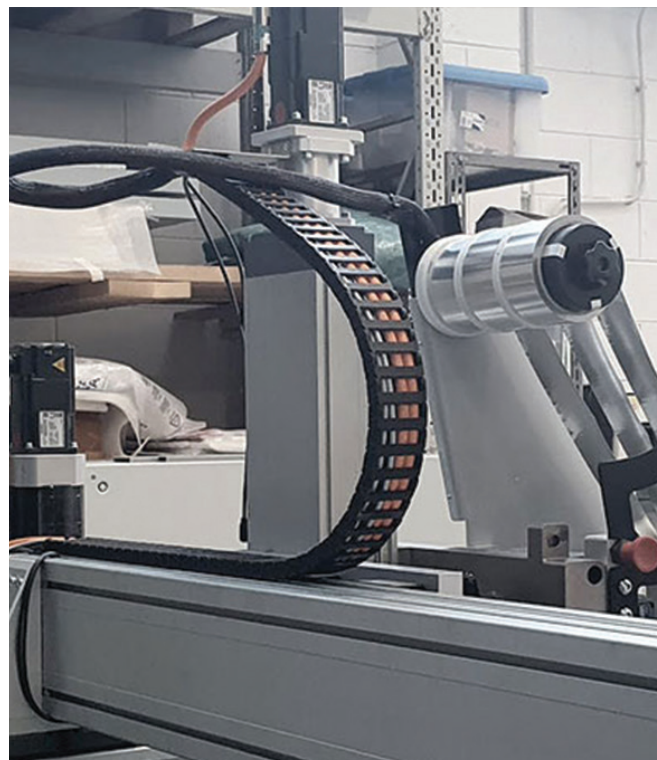
Spooled
tapes



Single-sided
adhesive tapes



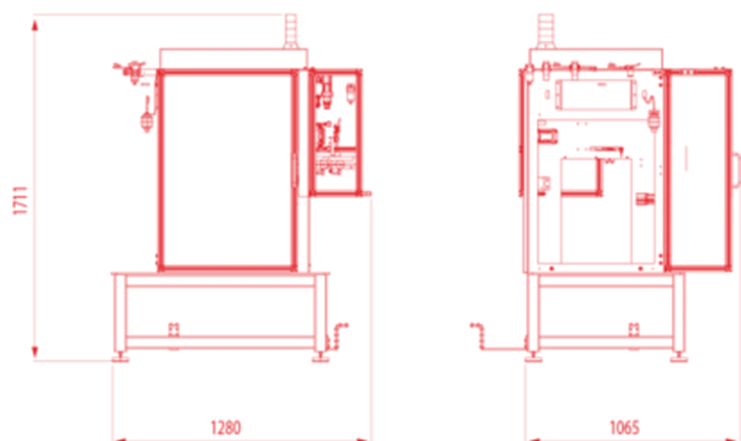
Masking
tapes



XT PICK & PLACE



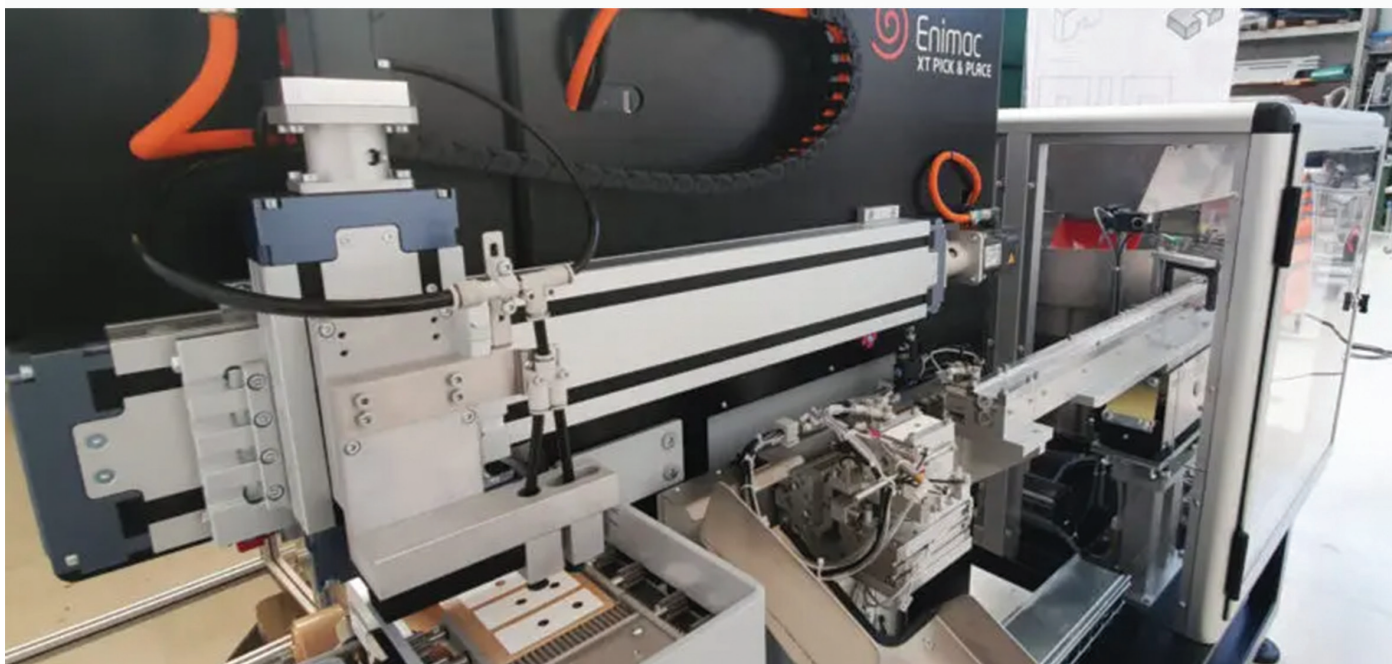
For the application of adhesive die-cuts on an article with a maximum production of about 1000 pcs/h. The die-cut tape is applied on a roll for easy application. The Pick & Place applicator picks up the die-cut onto the tape and applies it precisely to the article.



Enimac manufactures Pick & Place solutions to apply die-cuts to objects. The example shows the application of a die-cut onto a medical item.

TYPE OF APPLICATOR

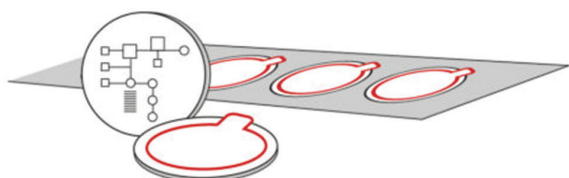
XT-PRO e-commerce can be mounted with different head types ranging from 25mm to a maximum of 100mm, offering for some of these the option of using from 1 to 3 different tape types on a single head to meet even the most complex application needs.



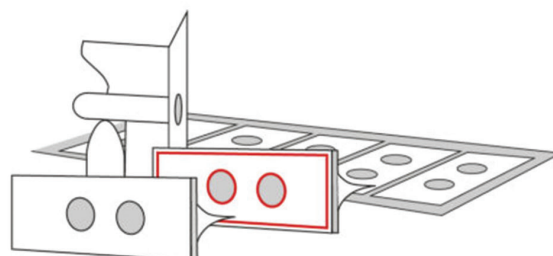
APPLICATION TEMPLATES

Our standard machines already offer a wide range of applications for flat and thin formats commonly used in the paper industry: posters, envelopes, pocket folders,

packaging, etc., but also in any sector requiring single or double-sided adhesive tape to different flat surfaces up to a maximum thickness of 10mm or 15mm.



Example of applying double-sided adhesive tape to die-cut articles

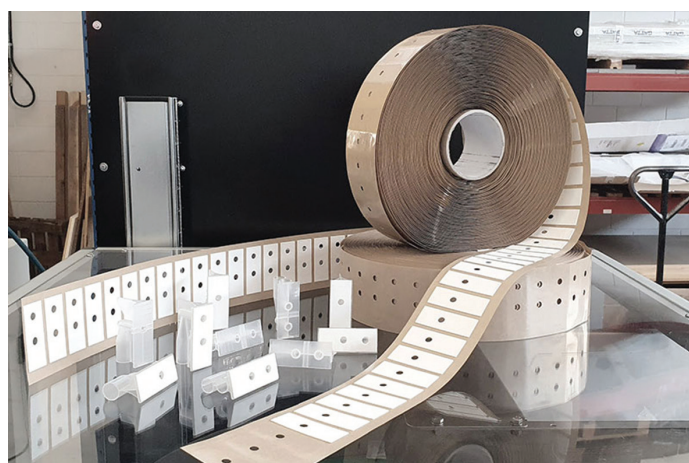
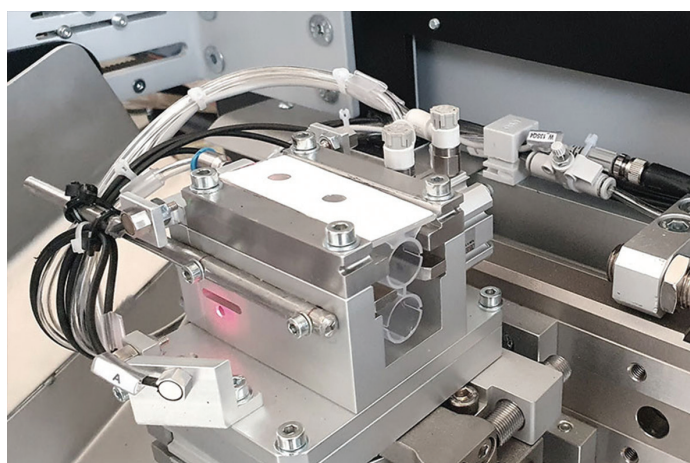
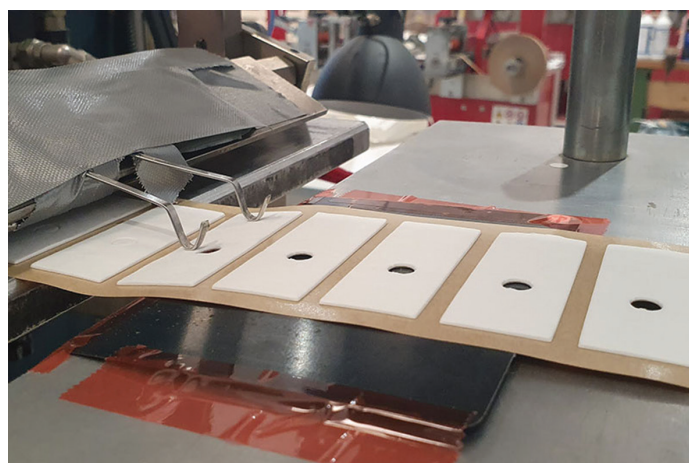


Example of applying double-sided adhesive tape to die-cut articles

APPLICABLE TAPES



Die Cut Roll

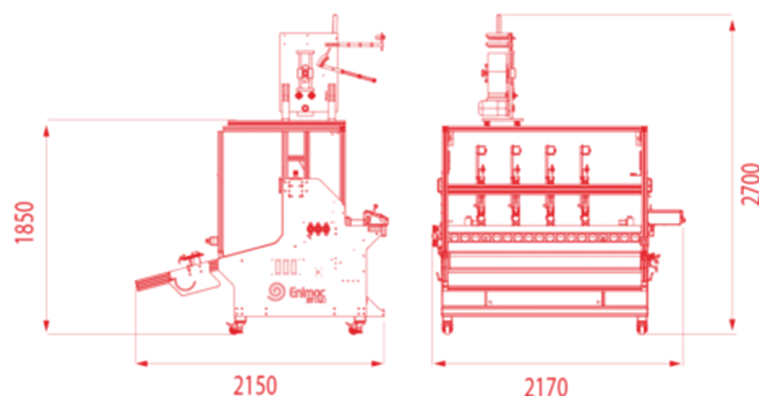


X-TREME PRO e-commerce

Ideal for companies working in the packaging and e-commerce packaging sector for the application of one or two double-sided adhesive tapes + tear tapes at the same time to allow closing/opening/reclosing.

X-TREME Pro e-commerce can apply double-sided adhesive tape to die-cut stretched or corrugated cardboard packaging with a maximum width of 1600mm and a maximum thickness of 15mm.

X-TREME Pro e-commerce lets you install up to 2 applicators of your choice between 60 and 100mm + an additional 4 applicators (30, 60 or 100mm), which are individually controlled on a touchscreen to allow for greater flexibility in each process.



The patented applicator applies 2 strips of double-sided adhesive + tear tape (via a motorised unwinder) in a single step with a maximum application speed of 50m/min.

X-TREME Pro e-commerce software allows you to save parameters for up to 100 different jobs. It is operated exclusively by electric current with no need for compressed air.

This "standard" X-TREME machine version requires installation and training by our specialised personnel.

We ship worldwide!

Characteristics X-TREME Pro e-commerce

Maximum width of workable product	1600mm
Maximum thickness of workable product	15mm
Minimum applicable tape length	7mm (5m/min)
Maximum applicable tape length	3m (optional over 3m)
Maximum number of consecutive tape strips („spots”) applicable	8
Minimum distance between consecutive tape strips	7mm (5m/min)
Minimum distance between parallel tape strips (with 2 applicators side by side)	66mm
Layout	complete mobile unit
Speed	minimum 5m/min - maximum: 80m/min
Maximum number of installed applicators	6
Usable tape size	minimum 4mm - maximum 100mm
Standard applicator	30mm
Number of memorizable jobs	maximum 100
Optional applicator	60/100mm
Setup time	less than 5 minutes
Power supply	110/230 V -50/60 Hz
Maximum power consumption	0,75 Kw
Machine dimensions	height 2700mm width 2170mm depth 2150mm

Unwinder characteristics

Type of applications	e-commerce boxes, envelopes, cardboard boxes
Template	DJFL6-VI
Maximum tape width	160mm
Maximum outer diameter of tape roller	400mm
Minimum internal diameter of tape roller	155mm
Tape roller height	160mm
Maximum application speed	120m/min.
Power	400W
Weight	30kg
Dimensions	height 818 mm width 871 mm depth 371 mm

X-TREME PRO e-commerce APPLICATORS

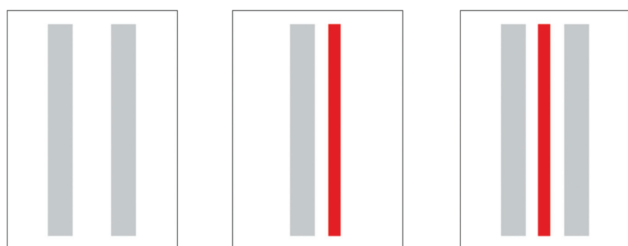
XT-PRO e-commerce can be mounted with different head types from 30mm to a maximum of 100mm, offering for some of these the option of using from 1 to 3 different tape types on a single head to meet even the most complex application needs.



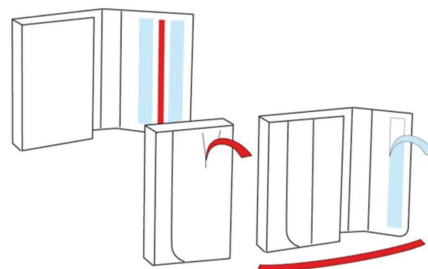
APPLICATION TEMPLATES

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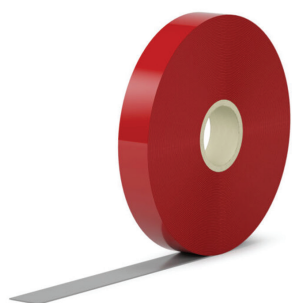


Examples of double-sided tape applications on curved surfaces with different spots



Examples of double-sided tape applications on curved surfaces with different spots

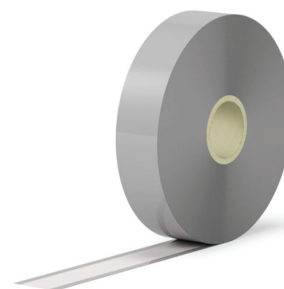
APPLICABLE TAPES



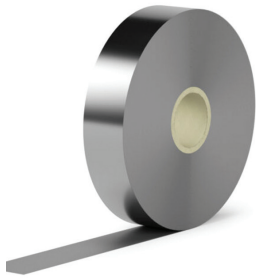
Double-sided foam
tapes



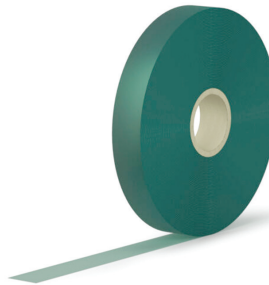
TNT/PET/PPL
thin double-sided adhesive tapes



Spooled
tapes



Single-sided
adhesive tapes



Masking
tapes

FUNKCJONALNOŚĆ



Double magnetic feed guides
for sheet feed alignment



Split spindle for applying two
rolls of tape on the same
applicator

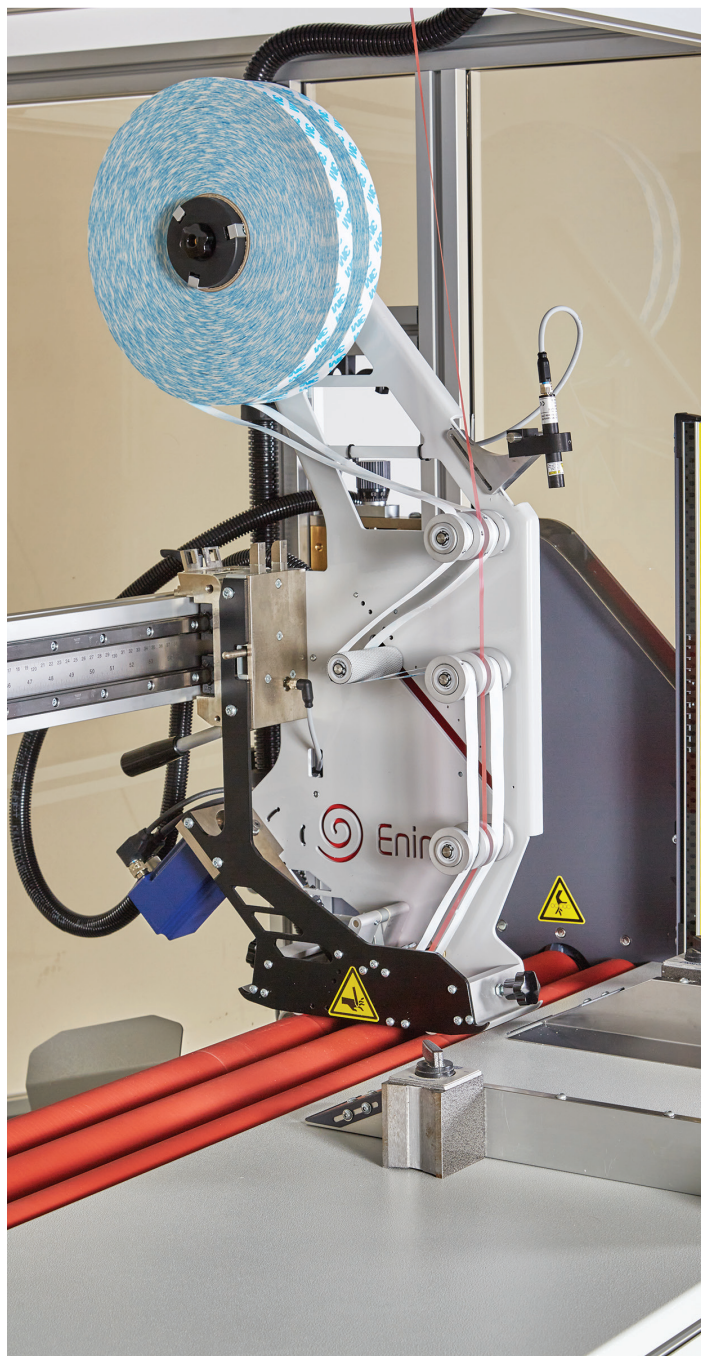


Online support service



Tape spool unwinder for tear
tape and other tapes in spool
form

X-TREME PRO e-commerce





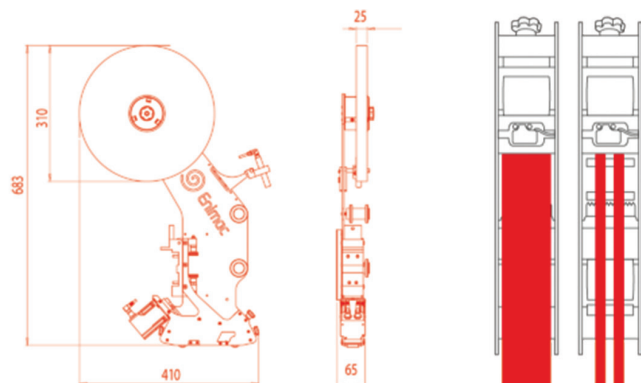
XT Light

XT Light 25, 50 or 100 applicator, allows for the use of tapes from a minimum width of 3mm to a maximum of 25mm, 50mm, or 100mm.



XT Light 25

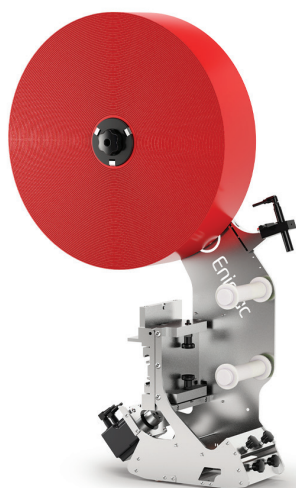
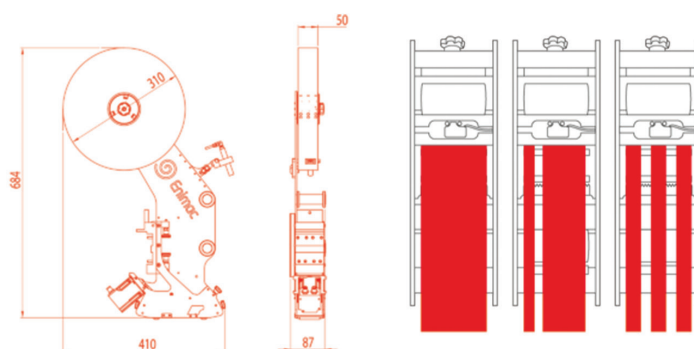
XT Light 25 applicator, allows for the use of tapes from a minimum width of 3mm to a maximum of 25mm with a tape roll of maximum diameter 400mm and a 76mm standard core. The photocell is able to read materials of different colours and types such as paper, cardboard, plastic and metal and even transparent and die-cut materials.





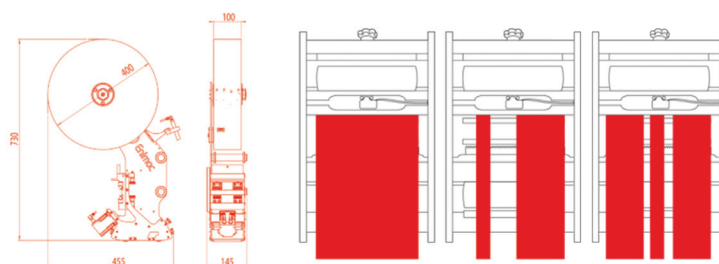
XT Light 50

XT Light 50 applicator, allows for the use of tapes from a minimum width of 3mm to a maximum of 50mm with a tape roll of maximum diameter 400mm and a 76mm standard core. The XT Light 50 applicator can be mounted with up to 3 rolls of parallel tapes. The photocell is able to read materials of different colours and types such as paper, cardboard, plastic and metal and even transparent and die-cut materials.



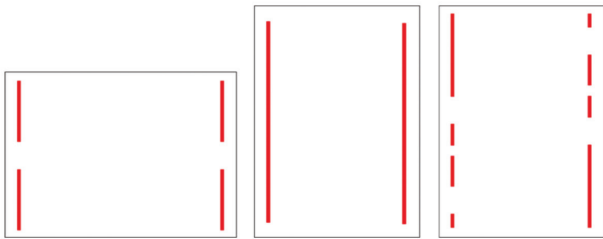
XT Light 100

XT Light 100 applicator, allows for the use of tapes from a minimum width of 3mm to a maximum of 100mm with a tape roll of maximum diameter 400mm and a 76mm standard core. The XT Light 100 applicator can be mounted with up to 3 rolls of parallel tapes, including wide rolls. The photocell is able to read materials of different colours and types such as paper, cardboard, plastic and metal and even transparent and die-cut materials.

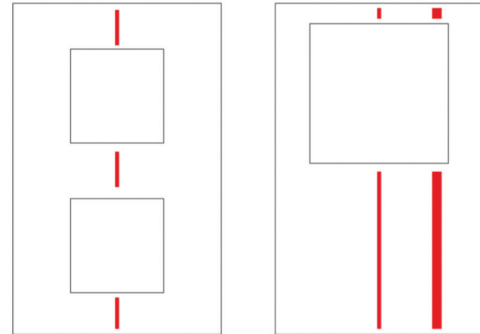


APPLICATION TEMPLATES

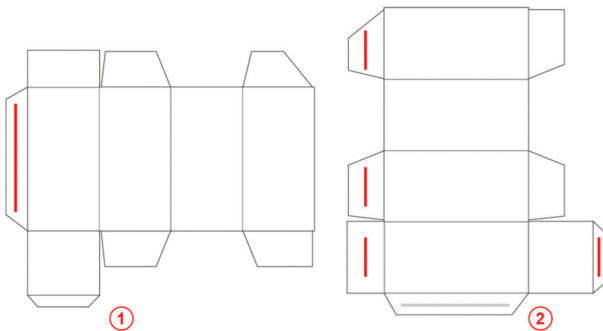
XT Light applicators offer a wide range of applications in various flat and thin formats as used in the paper industry: posters, envelopes, pocket folders, boxes, packaging, etc.



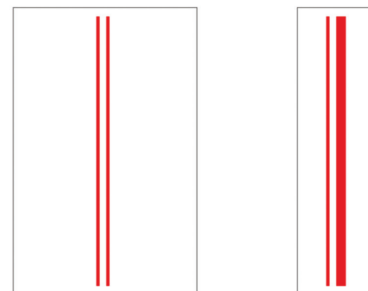
Examples of applying double-sided tape to flat surfaces with different spots



Example of applying double-sided adhesive tape to a flat surface between die-cut windows



Example of applying double-sided adhesive tape to flat die-cut surfaces



Example of applying 2 double-sided adhesive tapes to flat surfaces with a single applicator



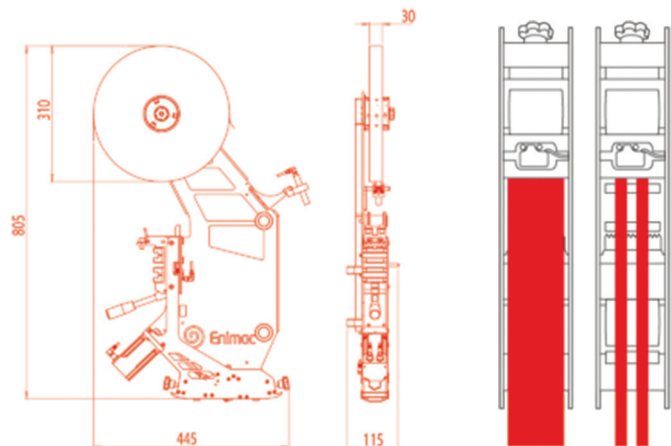
XT Pro

XT Pro 30, 60, 60 RW, 100 applicator, allows for the use of tapes from a minimum width of 3mm to a maximum of 30mm, 60mm or 100mm.



XT Pro 30

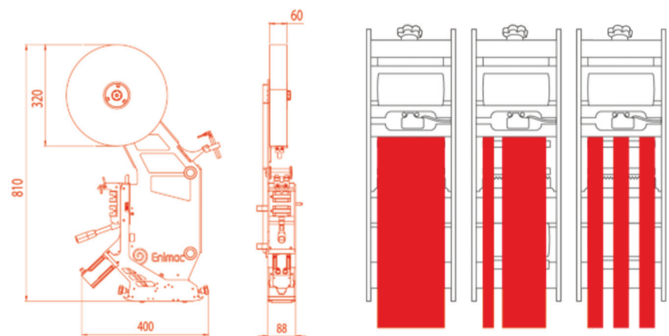
XT Pro 30 applicator, allows for the use of tapes from a minimum width of 3mm to a maximum of 30mm with a tape roll of maximum diameter 400mm and a 76mm standard core. The photocell is able to read materials of different colours and types such as paper, cardboard, plastic and metal and even transparent and die-cut materials.





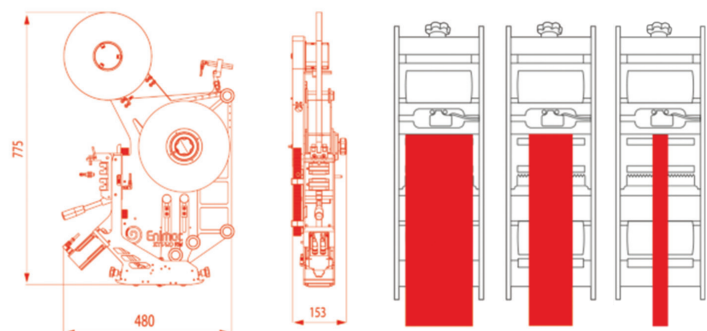
XT Pro 60

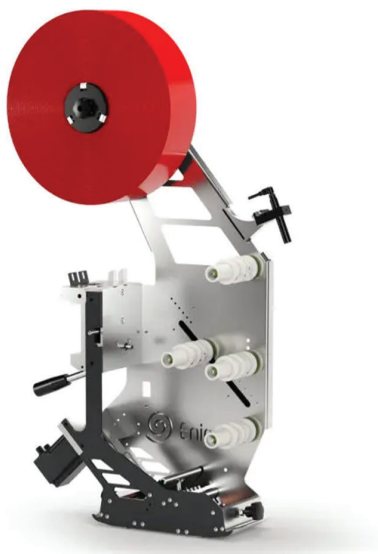
XT Pro 60 applicator, allows for the use of tapes from a minimum width of 6mm to a maximum of 60mm with a tape roll of maximum diameter 400mm and a 76mm standard core. The XT Pro 60 applicator can be mounted with up to 3 rolls of parallel tapes. The photocell is able to read materials of different colours and types such as paper, cardboard, plastic and metal and even transparent and die-cut materials.



XT Pro 60 RW

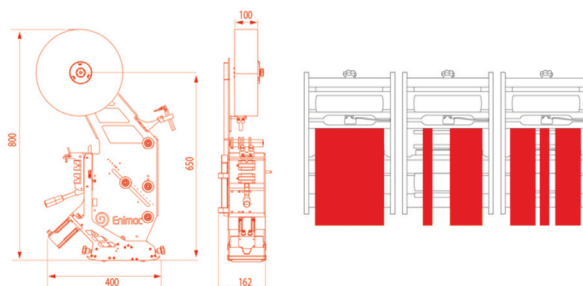
XT Pro 60 RW applicator, allows for the use of tapes from a minimum width of 3mm to a maximum of 60mm with a tape roll of maximum diameter 400mm and a 76mm standard core. The rewind function allows you to rewind the liner during application leaving only the adhesive applied. The photocell is able to read materials of different colours and types such as paper, cardboard, plastic and metal and even transparent and die-cut materials.





XT Pro 100

XT Pro 100 applicator, allows for the use of tapes from a minimum width of 6mm to a maximum of 100mm with a tape roll of maximum diameter 400mm and a 76mm standard core. XT Pro 100 applicator can be mounted with up to 3 rolls of parallel tapes. The photocell is able to read materials of different colours and types such as paper, cardboard, plastic and metal and even transparent and die-cut materials.

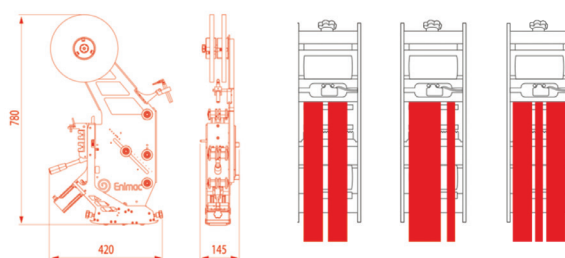


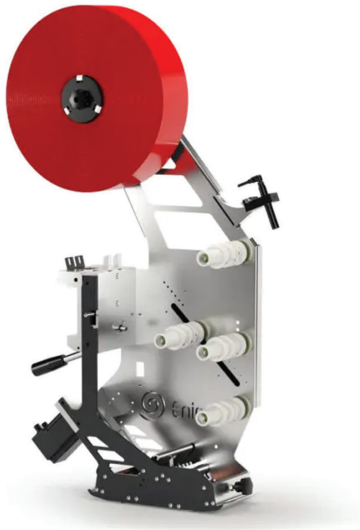
XT Pro e-commerce 60

XT Pro e-commerce applicator 60 includes:

- split spindle for applying two rolls of tape on the same applicator
- slider for adjusting tape tension
- brake for managing tear tape over 4mm wide

XT Pro e-commerce 60 applicator, allows for the use of tapes from a minimum width of 3mm to a maximum of 60mm with a tape roll of maximum diameter 400mm and a 76mm standard core. The photocell is able to read materials of different colours and types such as paper, cardboard, plastic and metal and even transparent and die-cut materials.



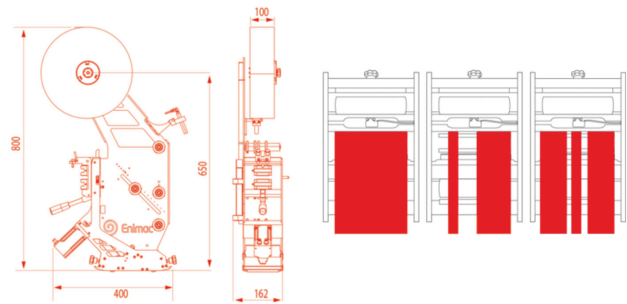


XT Pro e-commerce 100

XT Pro e-commerce applicator 100 includes:

- split spindle for applying two rolls of tape on the same applicator
- slider for adjusting tape tension
- brake for managing tear tape over 4mm wide

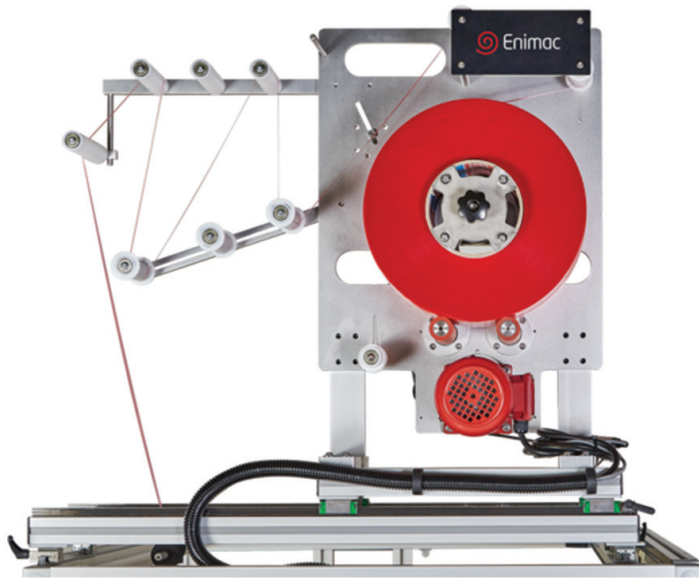
XT Pro e-commerce 100 applicator, allows for the use of tapes from a minimum width of 3mm to a maximum of 100mm with a tape roll of maximum diameter 400mm and a 76mm standard core. The photocell is able to read materials of different colours and types such as paper, cardboard, plastic and metal and even transparent and die-cut materials.



APPLICATORS Blackbox

The Blackbox is an electric panel which includes drive and touchscreen display. Our installed proprietary software allows for applicator use. The Blackbox has two connectors, one for connection to the applicator and the second for connection to your machine via Modbus RTU (RS485) communication protocol.



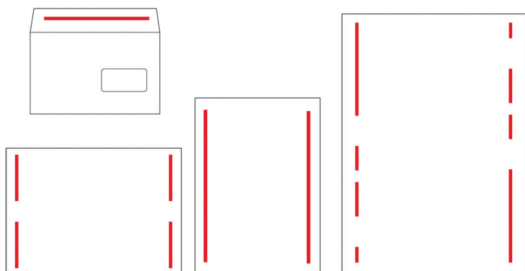


Unwinder

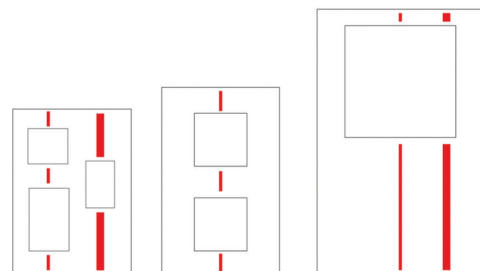
The unwinder accessory allows you to manage long sections of tape (even up several thousand metres) and can be integrated with our range of applicators.

APPLICATION TEMPLATES

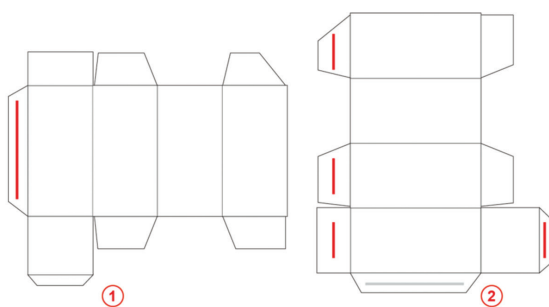
XT Pro applicators offer a wide range of applications in various flat and thin formats as used in the paper industry: posters, envelopes, pocket folders, boxes, packaging, etc, including oversized formats.



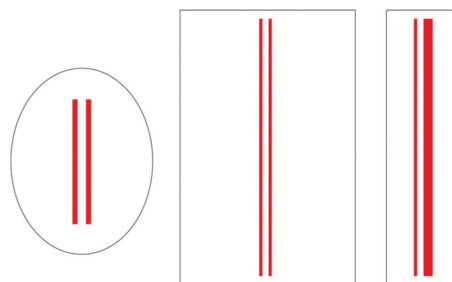
Examples of applying double-sided tape to flat surfaces with different spots



Example of applying double-sided adhesive tape to a flat surface between die-cut windows



Example of applying double-sided adhesive tape to flat die-cut surfaces



Example of applying 2 double-sided adhesive tapes to flat surfaces with a single applicator



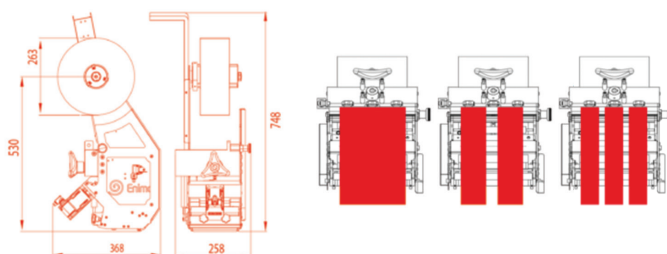
XT Industrial

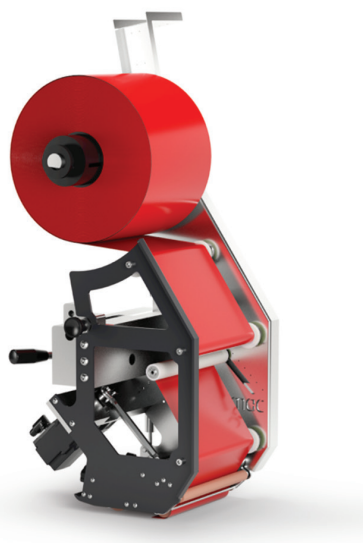
XT Industrial 150, 200 applicator, allows for the use of tapes from a minimum width of 6mm to a maximum of 150mm or 200mm.



XT Industrial 150

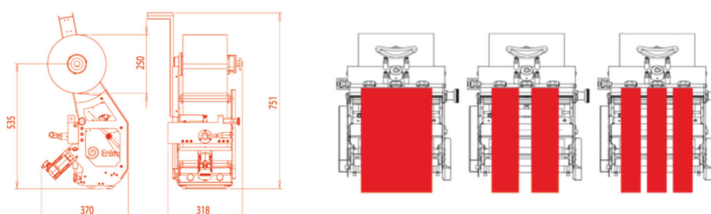
XT Industrial 150 applicator, allows for the use of tapes from a minimum width of 6mm to a maximum of 150mm with a tape roll of maximum diameter 400mm and a 76mm standard core. The XT Industrial 150 applicator allows you to apply single and double-sided adhesive tapes even inside indented profiles.





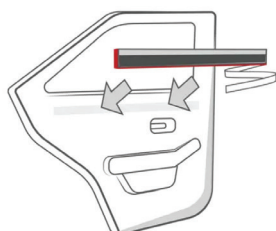
XT Industrial 200

XT Industrial 200 applicator, allows for the use of tapes from a minimum width of 6mm to a maximum of 200mm with a tape roll of maximum diameter 400mm and a 76mm standard core. The XT Industrial 200 applicator allows you to apply single and double-sided adhesive tapes even inside indented profiles.

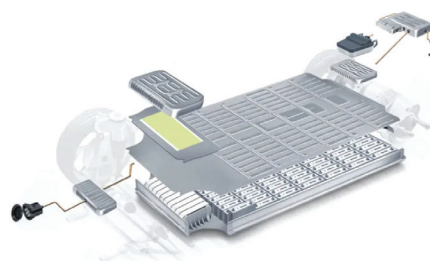


APPLICATION TEMPLATES

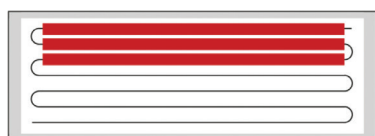
The range of XT Industrial applicators are used in various sectors including the automotive, naval, electronics, furniture, and household appliance sectors; particularly useful where tape application on a variety of substrates from the simplest to the most complex is required.



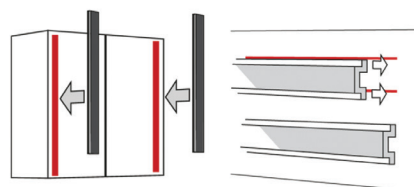
Example of applying double-sided adhesive tape to flat surfaces in the automotive sector



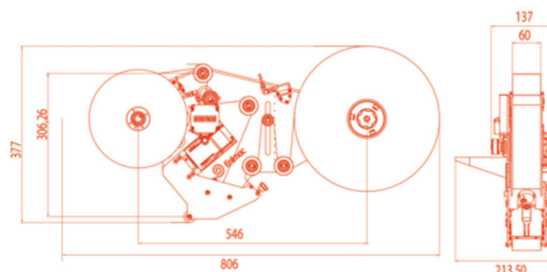
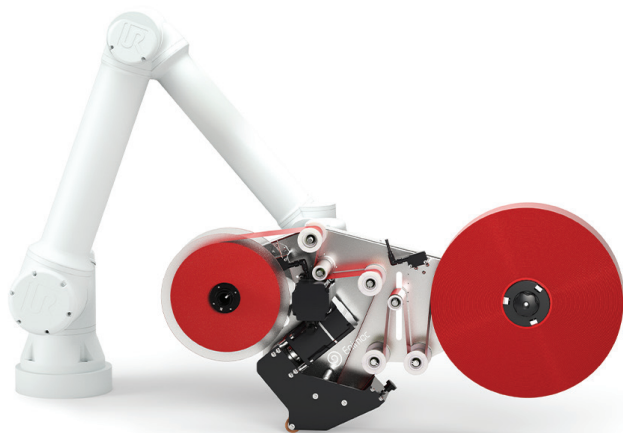
Example of applying double-sided adhesive tape for battery packs in the automotive sector



Example of applying 3 strips of single-sided adhesive tape with an applicator to uneven surfaces for the home appliance sector



Example of applying 2 double-sided adhesive tapes to flat surfaces with a single applicator in the furniture sector



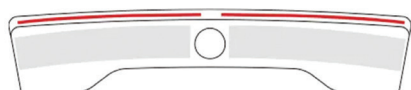
XT-COBOT RW 60

The XT Compact applicators can be installed on cobots and a variety of robots or machines with restricted spaces. They allow for the use of tapes from a minimum of width 3mm to a maximum of 60mm with a tape roll of maximum diameter 310mm and a 76mm standard core.

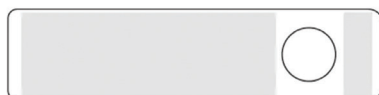
XT Compact applicators can offer a “rewind” function for the removal of tape liner; they are used in different sectors where the application of single or double-sided adhesive tapes is required even on curved, non-planar surfaces or where tape application is required at different angles.

APPLICATION TEMPLATES

The range of XT Compact applicators are used in various sectors including the automotive, naval, electronics, furniture, and household appliance sectors; particularly useful where tape application on a variety of substrates from the simplest to the most complex is required.



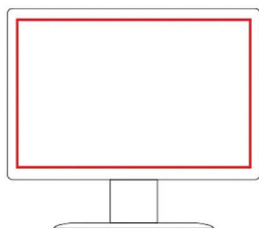
Examples of double-sided tape applications on curved surfaces with different spots



Example of applying protective tape to a non-planar surface



Esempio di applicazione di nastro biadesivo in modo non lineare su superfici piane



Example of applying double-sided adhesive tape with angles on flat surfaces



Example of single and double-sided tape application on flat surface

Tape Application Made Easy



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