





Tape characteristics,
substrate forms and materials,
and client requirements
are part of every project.

ABOUT US

Enimac was founded in 2013 and after several years of in-house prototyping, developing solutions for clients' tape application problems.

We are headquartered in Cornaredo (just outside of Milan), Italy. We design, manufacture and sell tape application machine in over 30 countries worldwide including the United States, Canada, Chile, the UK, Germany, France, Lithuania, Bulgaria, the United Arab Emirates, South Korea, and Thailand.

We divide our business into three areas, allowing clients to personalize their level of automation:

- **Standard tape application machines**
- **Tape applicators for integration**
- **Custom tape application stations, modules**

Whether it's reducing your tape application bottleneck, shortening process times, increasing flexibility or dedicating current tape application personnel to more value-added activities, all of these improve your bottom line.

Whatever the industry, you can turn to Enimac for high quality, easy to maintain solutions from people who apply tape for people who apply tape.

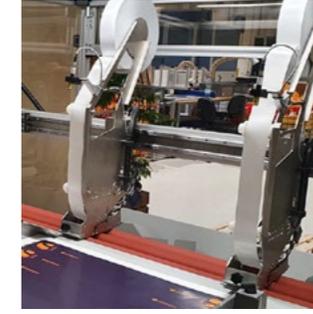


TAPE APPLICATION MADE EASY

We apply tape to flat and complex surfaces in many different industries with our standard, applicator integration and custom machine solutions.

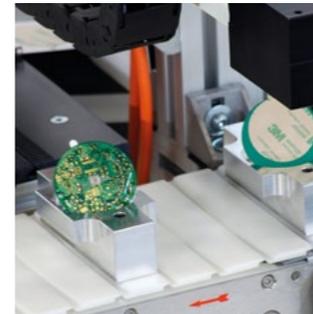
FLAT SURFACES

Paper, cardboard, aluminum sheets, PVC strips and more...



COMPLEX INDUSTRIAL PRODUCTS

Curved, angled, contour-edged, round, die-cut surfaces and more...



OUR PRODUCTS

Below our standard X-treme PRO wide-format substrate tape application machine, 200mm applicator with 3 rolls of aluminum tape, and 2-axis cartesian solution sporting our 200mm applicator with a single wide tape roll.



STANDARD TAPE
APPLICATION MACHINES



APPLICATORS
FOR INTEGRATION



CUSTOM TAPE
APPLICATION MACHINES

STANDARD MACHINES

Our X-treme Light and X-treme PRO lines are used to apply tape to substrates made of different materials for the print, packaging and point-of-sale display industries but also to PVC wall guards (plastics) and aluminum sheets die-cut into internal office signs (signage). Basically, for anything flat.



[video on Youtube](#)

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.



Options include a friction feeder,
tear tape applicator

X-TREME PRO 1600

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.



[video on Youtube](#)

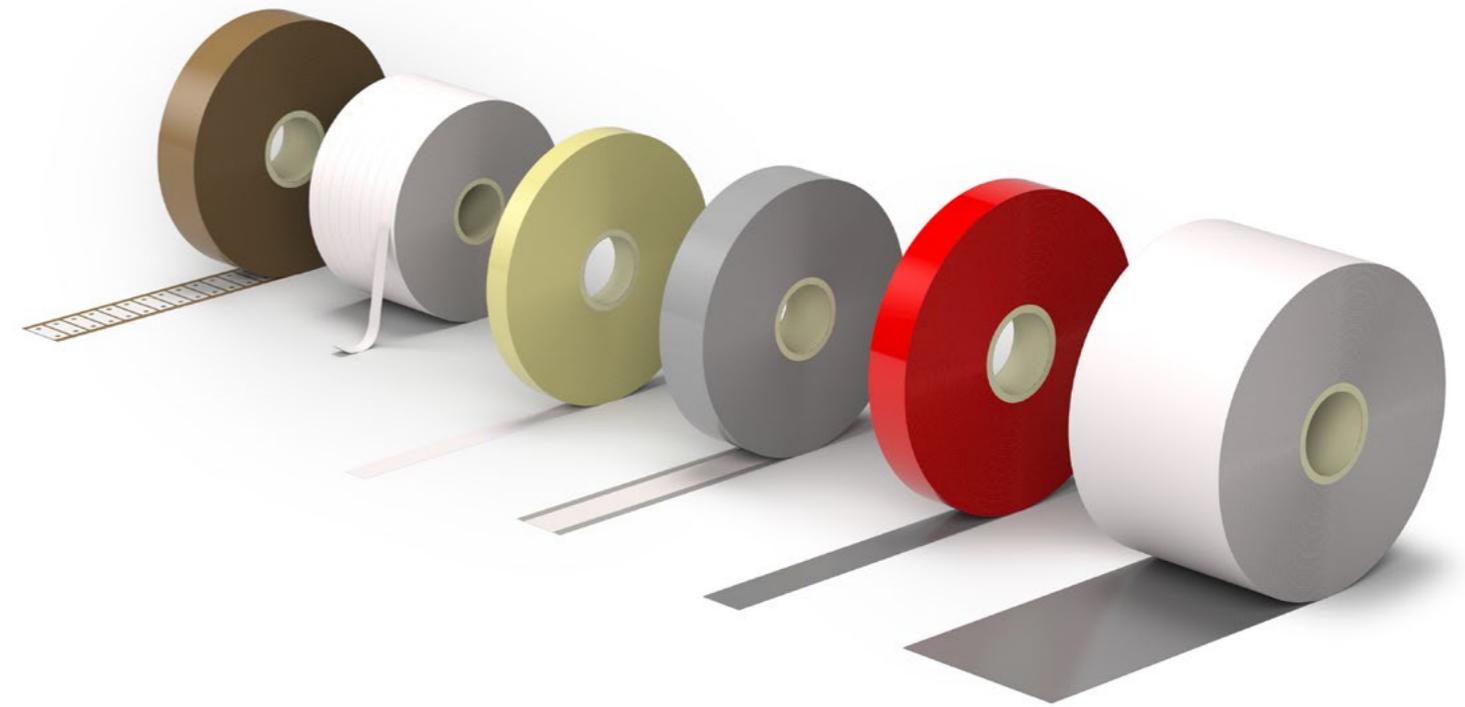
TAPES

Slit rolls, also with an extended liner (aka fingerlift), large spools, or die-cut pieces on a rollform - we apply many forms of tape.

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, and we are continuing to expand our capabilities.



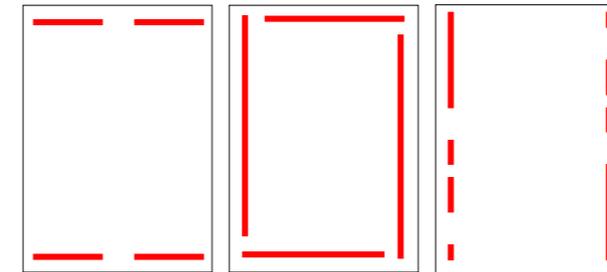


APPLICATION PATTERNS

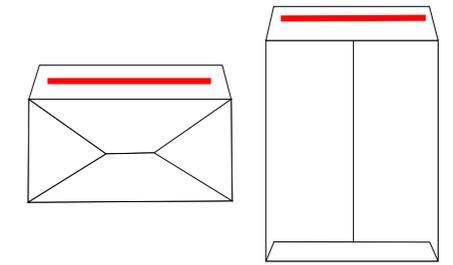
A single strip, two parallel strips close together, 3-4-5 or 6 parallel strips over the entire width of the substrate or several consecutive strips spaced out down the length of a die-cut substrate. We have, or can develop, a solution for any pattern you require.

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

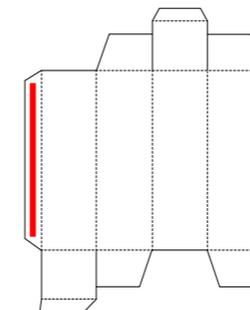
product but also applying several shorter consecutive strips (so-called "spots" of tape), putting the right amount of tape where it's needed.



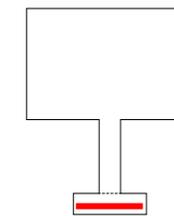
Posters



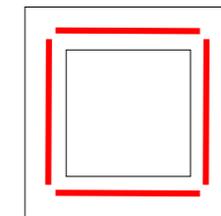
Envelopes



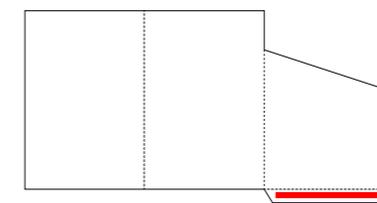
Packaging



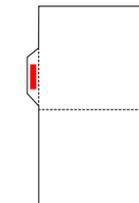
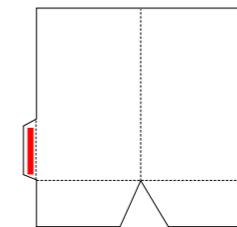
Wobblers



Box windows



Folders

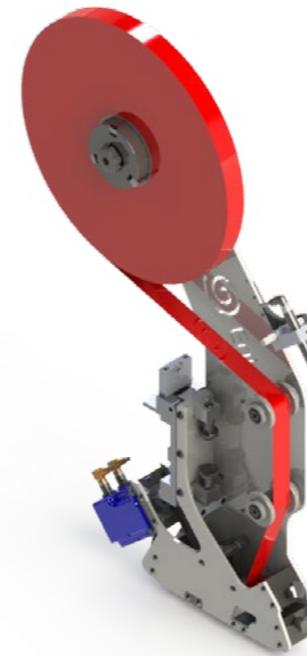


APPLICATORS FOR INTEGRATION

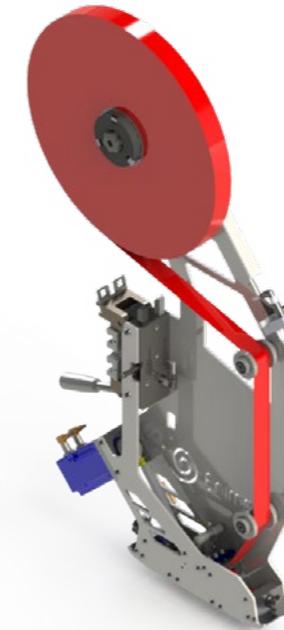
Do you require a tape application function on an existing machine, or does your client require it as part of a more comprehensive solution? Or do need a tape applicator integrated directly into your production line? Then our applicators for integration are for you.

Our applicators have been integrated on folder-gluers applying double-sided tape, tear tape or just paper, on a slitter-rewinder applying tape removing its liner leaving

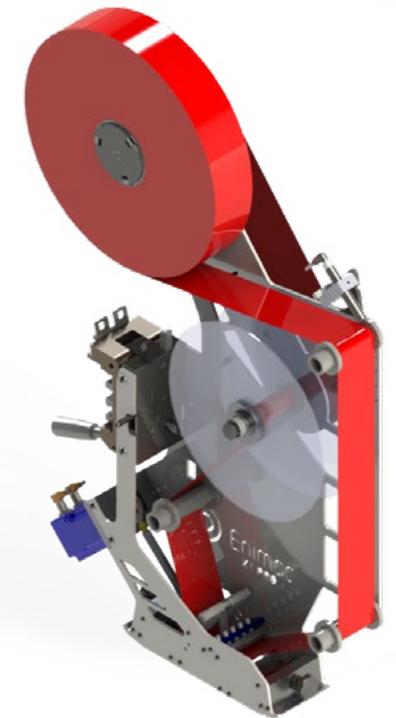
only the adhesive, into an electronics production line to apply Kapton tape, and on a robot for a masking tape application, among others.



TAPE APPLICATOR XT
LIGHT 25



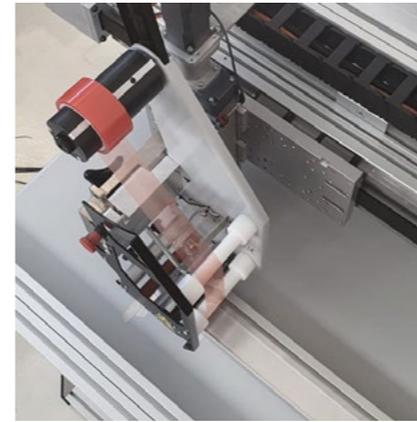
TAPE APPLICATOR XT
PRO 30



TAPE APPLICATOR XT
PRO RW 60

APPLICATORS FOR INTEGRATION

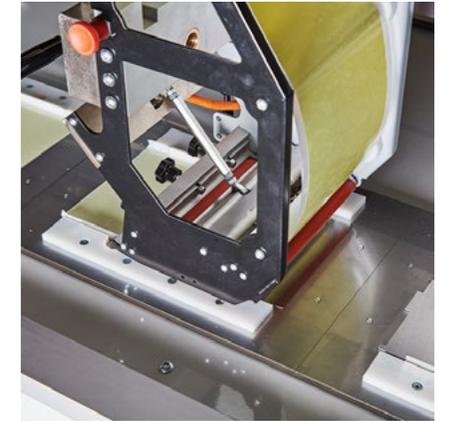
Typical information necessary for an integration project are the form of the substrate, the type and dimensions of tape to be applied, the speed at which the tape will be applied and the communication protocol necessary for integration. We work together with the client to analyze the application requirements and provide or develop the appropriate applicator to integrate.



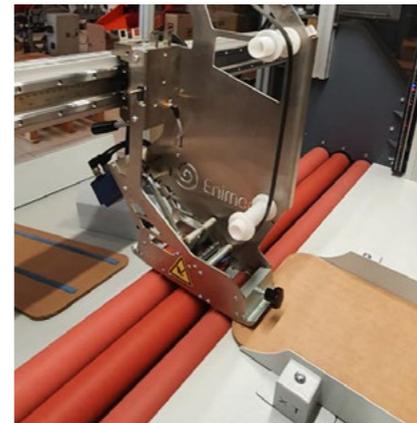
Architecture & Construction



Signage



Automotive



Packaging



Furniture & Design



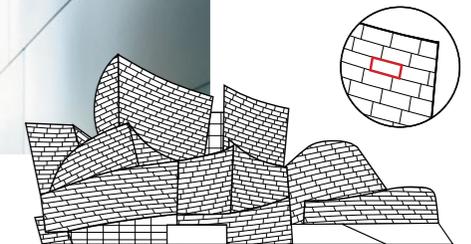
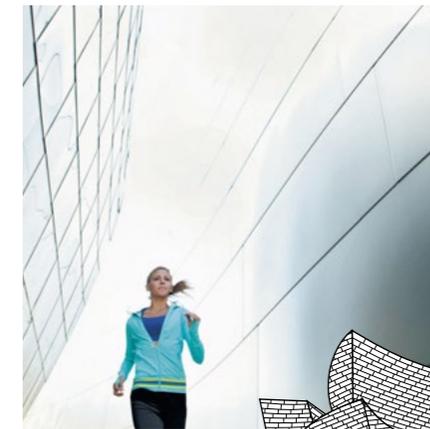
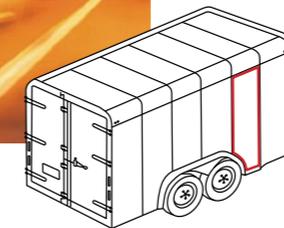
Paper

CUSTOM TAPE APPLICATION SOLUTIONS

You've found a tape that will optimally bond your substrates and now you need automation? Look no further. In addition to our standard machines and applicators for integration, we also make complete tape application systems, stations, cells, lines...

We've developed 2-axis cartesian systems to apply a specially laminated tape to aluminum plates with raised edges for an electric battery pack production line for the automotive and shipbuilding industries, equipped our internally developed 3-axis system with

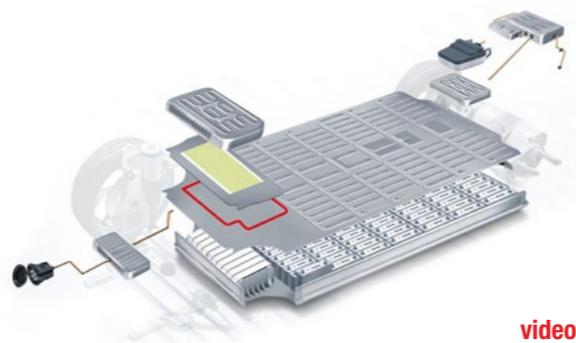
a 200mm applicator to apply 3 strips of aluminum tape simultaneously in the appliance/white goods industry, designed a pick-and-place system to apply die-cut tape pieces to medical sample collectors, just to mention a few.





XT CARTESIAN 2 & XT CARTESIAN 2 MULTI

Application of tape with one or several applicators in parallel moved by a 2-axis cartesian robot. The orthogonal axes consisting of linear actuators with toothed belt transmission guarantee high speed and precision.

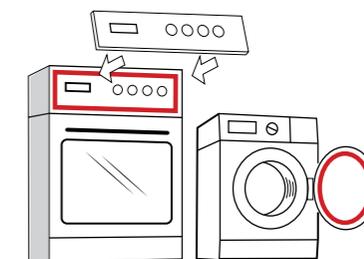


[video on Youtube](#)



XT COBOT 6 & XT COBOT 7

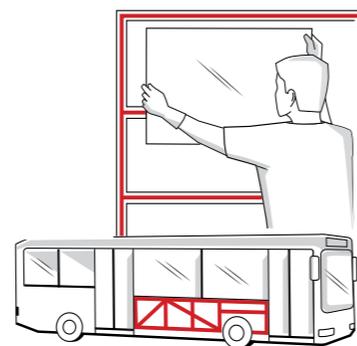
Automatic application of tapes from reel with applicator moved by 6-axis collaborative robot. The collaborative robot (Cobot) is a 6-axis anthropomorphic arm with different Load and Range sizes (Payload and Reach). The robot can be moving on a slide, thus adding an axis consisting of a belt linear actuator. It guarantees high speed, precision and extreme flexibility.



[video on Youtube](#)

XT CARTESIAN 3

Application of tape using a 3-axis cartesian robot. Move a smaller applicator with one roll or a wider applicator with a wider roll or several smaller tape rolls.

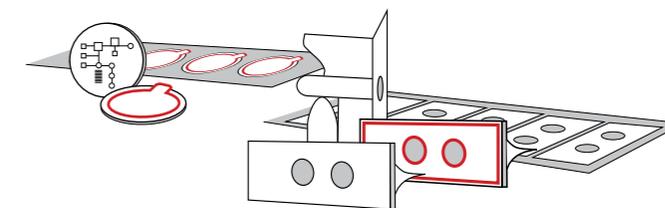


[video on Youtube](#)



XT PICK & PLACE

Automatic application of die-cut tape strips from a roll. Strips are fed with tension control and recovery of backing paper. Pneumatic picking of tape moved by 2-axis Cartesian robot, an orthogonal axis system consisting of linear actuators with ball screw transmission guaranteeing high standards of precision and repeatability.



[video on Youtube](#)



QUALITY CONTROL

Incoming quality control technicians carefully check all incoming components also with the aid of a certified Mitutoyo CNC optical meter for mechanical pieces. Quality is also attentively monitored during assembly with a final control of the finished goods before shipping. The care in these processes are a trademark of what it means to be Made in Italy and the excellence of the Enimac brand.

ENGINEERING & DEVELOPMENT

Design, development and research work in synergy creating new ideas.

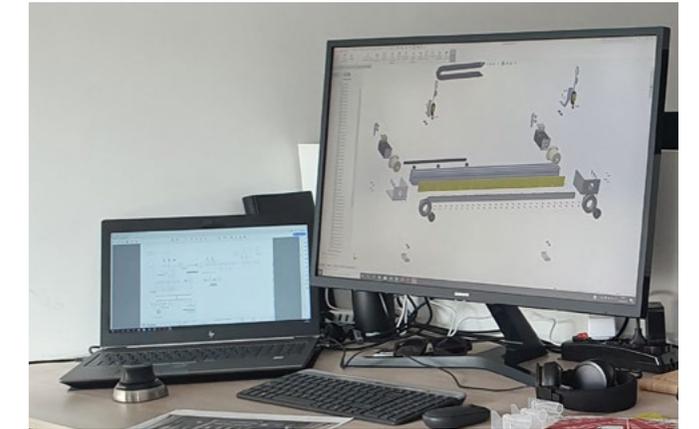
Engineers and technicians with different backgrounds interact with multiple external sources identifying technologically innovative solutions.



ASSEMBLY & TESTING

Here our specialized technicians assemble products quickly and meticulously. A continuous feedback loop between assembly and engineering contributes to process and product improvement. Products are fully tested and inspected guaranteeing functionality, efficiency and the quality standards for which our products are known.

This culture of open innovation results in cutting-edge products necessary to satisfy increasingly demanding customer requirements.



PRODUCT DEVELOPMENT

Analyzing substrate materials, substrate shapes, the required bonding, sealing, heat dissipation etc. requirements and resulting tape characteristics (liner, adhesive) and process requirements such as tolerances and desired productivity, our engineers and technicians, managing multiple external sources, identify technologically innovative solutions for clients' tape application problems.

BIEMME GROUP



With over 50 years of experience, Biemme Adesivi founded Biemme Group in 2013, including Enimac and Tapes-Store.

We provide our customers with a unique and versatile consulting service in the world of adhesives, offering Enimac's competence in automating the adhesive tape application process combined with the complete technical and economic information that can be found on our Tapes-Store digital platform.

BIEMME ADESIVI

3M Gold Distributor for adhesive technologies with more than 50 years of experience.

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A leading company for the automation of adhesive tape application

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Tape Application Made Easy

Enimac S.r.l.
Via Monzoro 58, 20007
Cornaredo (MI) - Italy
+39 02 32 87 425
www.enimac.it