



EDITION 2026

PRODUCT CATALOG

ABOUT US

Rhino Machines is a company founded in 2019, specializing in the design and manufacturing of tire tripling and untripling machines—essential equipment for optimizing the export and import process of tires. Based at the MEL Business Incubator in Armentières, we place a strong emphasis on relationships and human connection to support you throughout your tire export project.

With an international presence, we now support clients across all continents. Our machines are shipped worldwide—to Europe, Africa, the Americas, Asia, and Oceania—thanks to efficient logistics and trusted partners.

At Rhino Machines, we control the entire manufacturing process, from design to final assembly. Each machine is conceived, developed, and designed in-house, then fully assembled in our workshops in Armentières, France. This full control over the production chain allows us to ensure high quality, responsiveness, and the ability to tailor our solutions to the specific needs of our clients.

Customer satisfaction is our top priority. From the first consultation through to delivery and beyond, we provide personalized support to guide you, answer your questions, and help you choose the machine that fits your needs.

Explore our catalog to discover our machines, and feel free to contact us. Our team is here to offer solutions tailored to your challenges at every stage of your growth.



TABLE OF CONTENTS



About Tripling p.4



Tools Pack p.14



**Pneumatic, hydraulic –
what's the difference ?**

What is pneumatic ? p.5

What is hydraulic ? p.6



Stock and Deliveries p.15



**Which Machine Is
Right for Me ?** p.16



Our machines

Tripling Machine p.7

Hydraulic Tripling Machine p.8

Automatic Tripling Machine p.9

Automatic Hydraulic Tripling
Machine p.10

Unpacking Machine p.11

Hydraulic Unpacking
Machine p.12

Tripling and
Unpacking Pack p.13



Payment Methods p.17



Contact p.18

ABOUT TRIPLING

WHAT IS TRIPLING/UNPACKING?

Tripling consists of inserting tires into each other to save space during storage or container export. This can be done manually or with machines, preserving the condition of the tires. Unpacking is the reverse process: separating them, manually or with a machine, without damaging them.

OUR MACHINES FOR TRIPLING/UNPACKING

The **tripling machine [REF: TRPL]** is an economical and mobile solution for quickly inserting tires into each other, regardless of the location of use. It allows one person to efficiently triple up to 4 tires. **The PRO version** provides extra power and specialized tripling tools to make the task even easier.



Designed for exporters, the **automatic tripling machine [REF: AUTOPACK]** optimizes tire loading in containers thanks to its automated system, saving time, energy, and improving profitability. With this automation, you can insert up to 6 tires into each other effortlessly.



The **unpacking machine [REF: UNPK]** allows you to quickly and safely unload tires from a container, simplifying logistics with its efficient removal system. We designed this machine so that one person can perform the task, unlike the group of up to 10 people usually required without it.



WHAT IS PNEUMATIC?

WHAT DOES “PNEUMATIC” MEAN?

Pneumatic technology is based on the use of a compressed gas, most often air, as the main energy source. This compressed air is stored under pressure and is used to transmit the force needed to operate the machine. With this energy, the various components of the equipment can be actuated precisely and in a controlled manner, allowing for a range of mechanical movements, including rotations, translations, or linear actions. This approach offers the advantages of high reliability, increased safety, and easy adaptation to many industrial and technical applications.

WHAT ARE THE ADVANTAGES?

- **Easy maintenance** : Breakdowns are often simple to diagnose and repair.
- **Clean** : Unlike hydraulic systems, there is no fluid that could dirty or contaminate the environment.
- **High safety** : Compressed air poses no risk of fire or major pollution in case of a leak.
- **Simple design** : Pneumatic systems are relatively straightforward, with few complex components, making them easy to install and use.

WHAT ARE THE DISADVANTAGES?

- **Limited force** : Compressed air cannot generate very high forces, so pneumatic systems are less suitable for heavy loads.
- **Noise** : Some pneumatic systems can generate significant noise, especially due to air exhausts.
- **Incompatibility with extreme weather conditions** : The system may perform poorly below 41 °F (5 °C), so indoor use is recommended.
- **Energy consumption** : Compressors can use a lot of electricity, especially if the system leaks or is poorly regulated.

WHAT IS HYDRAULIC?

WHAT DOES “HYDRAULIC” MEAN?

Hydraulic technology is based on the use of a pressurized liquid, usually oil, as the main energy source. This pressurized fluid is directed through pipes and cylinders to transmit the force needed to operate the machine. With this energy, the various components of the equipment can be actuated precisely and in a controlled manner, allowing for a range of mechanical movements, including rotations, translations, or linear actions. This approach offers the advantages of high power, strong reliability, and easy adaptation to many industrial and technical applications.

WHAT ARE THE ADVANTAGES?

- **Reliability in tough conditions**: Hydraulic systems operate effectively in challenging environments (low temperatures, outdoor use, etc.).
- **Precision and control**: Movements can be controlled with high accuracy, both in speed and position.
- **High available power**: Hydraulic systems can generate very high forces, suitable for heavy-duty applications.
- **Quiet operation**: Hydraulic systems provide completely silent operation.

WHAT ARE THE DISADVANTAGES?

- **Fluid heating**: The liquid can heat up during intensive use, which may affect the system's performance and efficiency.
- **Regular maintenance required**: Oil leaks, fluid contamination, and component wear demand careful monitoring.
- **High cost**: Components, fluids, and maintenance can be expensive.
- **System complexity**: Hydraulic circuits are more complicated to design and install than pneumatic systems.

Pneumatic Model

TRIPLING MACHINE

Made in France 

REF : [TRPL] – [TRPL PRO]



Tripling Machine PRO

DESCRIPTION

The tripling machine is the most cost-effective option available on the market for quickly inserting tires inside one another, whether at your site, in a warehouse, or directly at tire holders.

MODELS

STANDARD

The standard model is designed for occasional tripling users who want to add a few tires to their container simply and without specific constraints.

Leasing : contact us. 36 months exemple :

€69 excl. VAT/month

Professionals with 3+ years only.

Purchase Price : €2,099 excl. VAT – 2-year warranty

In stock

PRO

The Pro model is designed for exporters who want to optimize their containers thanks to its extra power and tripling tools.

Leasing : contact us. 36 months exemple :

€79 excl. VAT/month

Professionals with 3+ years only.

Purchase Price : €2,399 excl. VAT – 2-year warranty

In stock

TIRES PER BATCH	2-3
TYPES OF TIRES	LV
MAX PRESSURE	8 BARS (115 PSI)
TRIPLING TOOLS	-
TRANSPORT DIMENSIONS	L195 W75 H31 CM
WEIGHT	93 KG

TIRES PER BATCH	3-4
TYPES OF TIRES	LV - SUV - CAT. C - 4X4
MAX PRESSURE	10 BARS (145 PSI)
TRIPLING TOOLS	INCLUDED
TRANSPORT DIMENSIONS	L195 W75 H31 CM
WEIGHT	100 KG

Hydraulic Model

HYDRAULIC TRIPLING MACHINE

Made in France 

REF : [TRPLHYDR]

Non-contractual image



DESCRIPTION

The tripling machine is the most cost-effective option available on the market for quickly inserting tires inside one another, whether at your site, in a warehouse, or directly at tire holders.

Leasing : contact us. 36 months exemple : €131 excl. VAT/month

Professionals with 3+ years only.

Purchase Price : €3,999 excl. VAT – 2-year warranty – **Delivery times upon request**

TIRES PER BATCH	3-4
TYPES OF TIRES	LV - SUV - CAT. C - 4X4
HYDRAULIC POWER SUPPLY	230 / 400 V
TRIPLING TOOLS	INCLUDED
TRANSPORT DIMENSIONS	L195 W75 H31 CM
WEIGHT	150 KG



Pneumatic Model

AUTOMATIC TRIPLING MACHINE

Made in France 

REF : [AUTOPACK]

DESCRIPTION

The automatic tripling machine has been designed for exporters aiming to maximize the profitability of their shipments. Thanks to its fully automated system, it allows for tripling a large number of tires effortlessly while optimizing container volume. Ship more, faster, with fewer constraints. A true performance booster : saving time, energy... and increasing profitability.

Leasing : contact us. 48 months exemple : €372 excl. VAT/month

Professionals with 3+ years only.

Purchase Price : €14,800 excl. VAT – 2-year warranty – **Delivery times upon request**

TIRES PER BATCH	3-6
TYPES OF TIRES	LV - SUV - CAT. C - 4X4
MAX PRESSURE	10 BARS (145 PSI)
TRANSPORT DIMENSIONS	L120 W100 H225 CM
WEIGHT	550 KG



Hydraulic Model

AUTOMATIC HYDRAULIC TRIPLING MACHINE

Made in France 

REF : [AUTOPACKHYDR]

Non-contractual image

DESCRIPTION

The automatic tripling machine has been designed for exporters aiming to maximize the profitability of their shipments. Thanks to its fully automated system, it allows for tripling a large number of tires effortlessly while optimizing container volume. Ship more, faster, with fewer constraints. A true performance booster : saving time, energy... and increasing profitability.

Leasing : contact us. 48 months exemple : €495 excl. VAT/month

Professionals with 3+ years only.

Purchase Price : €19,800 excl. VAT – 2-year warranty – **Delivery times upon request**

TIRES PER BATCH	3-6
TYPES OF TIRES	LV - SUV - CAT. C - 4X4
HYDRAULIC POWER SUPPLY	230 / 400 V
TRANSPORT DIMENSIONS	L120 W145 H225 CM
WEIGHT	700 KG

Pneumatic Model

UNPACKING MACHINE

Made in France 

REF : [UNPK]



DESCRIPTION

The unpacking machine is the best option for quickly unloading a container. It ensures damage-free unpacking, allowing you to easily manage logistics upon container arrival. Thanks to its hook, the unpacking machine removes tires nested inside one another effortlessly and very quickly.

Leasing : contact us. 36 months exemple : €99 excl. VAT/month
Professionals with 3+ years only.

Purchase Price : €2,999 excl. VAT – 2-year warranty – **In stock**

TIRES PER HOUR	150
TIRE TYPES	LV - SUV - CAT. C - 4X4
MAX PRESSURE	10 BARS (145 PSI)
TRANSPORT DIMENSIONS	L195 W75 H31 CM
WEIGHT	140 KG

Hydraulic Model

HYDRAULIC UNPACKING MACHINE

Made in France 

REF : [UNPKHYDR]

Non-contractual image



DESCRIPTION

The unpacking machine is the best option for quickly unloading a container. It ensures damage-free unpacking, allowing you to easily manage logistics upon container arrival. Thanks to its hook, the unpacking machine removes tires nested inside one another effortlessly and very quickly.

Leasing : contact us. 36 months exemple : €145 excl. VAT/month

Professionals with 3+ years only.

Purchase Price : €4,500 excl. VAT – 2-year warranty – **Delivery times upon request**

TIRES PER HOUR	150
TIRE TYPES	LV - SUV - CAT. C - 4X4
HYDRAULIC POWER SUPPLY	230 / 400 V
TRANSPORT DIMENSIONS	L195 W75 H31 CM
WEIGHT	160 KG

Pneumatic Model

TRIPLING & UNPACKING PACK

Made in France 

REF : [PRO 2-1]



DESCRIPTION

The tripling and unpacking pack combines both tripling and unpacking functions in a single machine. This allows exporters to triple the container and unpack it by sending the machine with the shipment, all with a reduced initial investment. For more details on the machines included in the offer, please refer to pages 7 and 11.

Leasing : contact us. 36 months exemple : €103 excl. VAT/month
Professionals with 3+ years only.

Purchase Price : €3,199 excl. VAT – 2-year warranty – **In stock**

COMPATIBILITY

To further simplify the tripling and unpacking of your tires, here are the tools provided with the **Tripling PRO** and **Unpacking machines**.



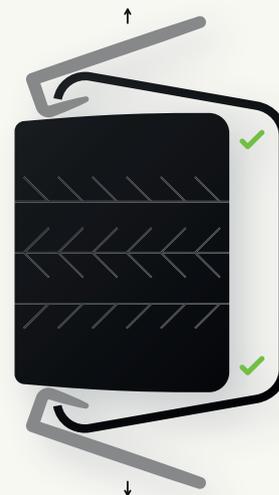
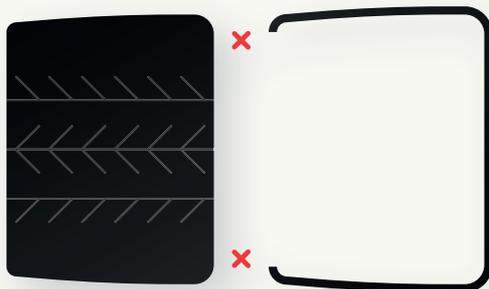
TIRE PUSHER

To facilitate the insertion of similarly sized tires, this tool allows you to push a stuck tire so it can return to its original shape.



TIRE OPENING HOOK

This tool helps insert closely sized tires by spreading the sidewalls of the outer tire (envelope tire).



STOCKS

Our product catalog is updated regularly so you can monitor our stock levels and purchase the machines you need at the right time.

PNEUMATIC				HYDRAULIC		
TRPL/TRPL PRO	AUTOPACK	UNPK	PRO 2-1	TRPLHYDR	AUTOPACKHYDR	UNPKHYDR
						
IN STOCK	CONTACT US	IN STOCK	IN STOCK	CONTACT US	CONTACT US	CONTACT US

PICK-UP IN ARMENTIÈRES

Would you like to collect your machine directly from our workshop? It's possible, by appointment. We'll be happy to welcome you and finalize the sale on-site. A live demonstration of the machine in operation can also be arranged.

DELIVERY TIMES

Below are the estimated delivery times provided by our shipping partners based on your location. Pick-up times range from 24 to 48 hours. If you would like to know the exact delivery time for your area, feel free to contact us.



France

1 - 3
transit days



Europe

1 - 6
transit days



USA & Canada

3 - 5
transit days



Others

Delivery times
upon request

WHICH MACHINE IS RIGHT FOR ME?

PNEUMATIC				
Reference	TRPL	TRPL PRO	AUTOPACK	UNPK
Container loading	A few batches of tires per containers	Full containers	Full and optimized containers	-
Goal of tires per batch	2-3	3-4	3-6	-
Types of tires	LV	LV - SUV - Cat. C - 4x4	LV - SUV - Cat. C - 4x4	LV - SUV - Cat. C - 4x4
Mobility	Mobile et fixed	Mobile et fixed	Fixed	Mobile et fixed
Max pressure	8 bars (115 PSI)	10 bars (145 PSI)	10 bars (145 PSI)	10 bars (145 PSI)
Working conditions	Above 41 °F (5 °C)	Above 41 °F (5 °C)	Above 41 °F (5 °C)	Above 41 °F (5 °C)

HYDRAULIC			
Reference	TRPLHYDR	AUTOPACKHYDR	UNPKHYDR
Container loading	Full containers	Full and optimized containers	-
Goal of tires per batch	3-4	3-6	-
Types of tires	LV - SUV - Cat. C - 4x4	LV - SUV - Cat. C - 4x4	LV - SUV - Cat. C - 4x4
Mobility	Mobile et fixed	Fixed	Mobile et fixed
Hydraulic power supply	230 / 400 V	230 / 400 V	230 / 400 V
Working conditions	Below and/or above 41 °F (5 °C)	Below and/or above 41 °F (5 °C)	Below and/or above 41 °F (5 °C)

PAYMENT METHODS

At Rhino Machines, we understand the challenges you may face when making a significant purchase. That's why we offer various options to ensure your purchases are made safely, whether on-site at our workshop in the Ruche d'Entreprises in Armentières, or remotely from wherever you are.

ON-SITE

Below are the payment options available when you visit us at our workshop :

- **Credit card** via POS terminal
- **Instant bank transfer**
- **Klarna** – Payment in installments
- **Grenke** – Leasing (*professionals with 3+ years only*)
- **Cash**

FROM A DISTANCE

Below are the payment options available when you are at home, remotely :

- **Credit card** via payment link
- **Bank transfer**
- **Klarna** – Payment in installments
- **Grenke** – Leasing (*professionals with 3+ years only*)
- **eShop** – <https://shop.rhino-machines.com>

Our team is available to answer any questions you may have regarding our various payment methods.

CONTACT

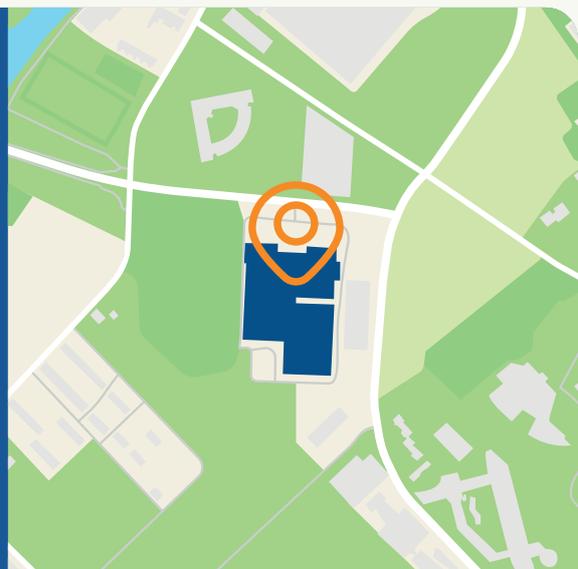
OUR CONTACT DETAILS

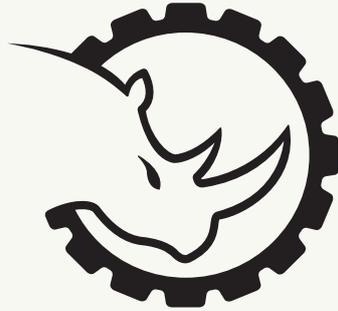
 Rhino Machines, 4 avenue Pierre Mauroy, 59280, Armentières

 Whatsapp : +33 (0)6 19 89 72 27

 contact@rhino-machines.com

 <https://www.rhino-machines.com>





RHINO
MACHINES