

2024



Andre Industrial AG Profile

**ENHANCE YOUR
AMMUNITION PERFORMANCE**

TABLE OF CONTENTS



03	history
04	about us
05	small caliber sealants
07	external sealants
09	sealing technology
12	medium caliber coatings
13	Let's work together

THE HISTORY

1885

THE COMPANY ANTON ANDRÉ WAS
FOUNDED - START OF PAINT PRODUCTION

1905

COOPERATION WITH MAUSER OBERNDORF

1914

FIRST SURFACE PROTECTION IN
COOPERATION WITH OERLIKON

1918

SOP OF INDUSTRIAL COATINGS

1983

WASERBASED COATINGS

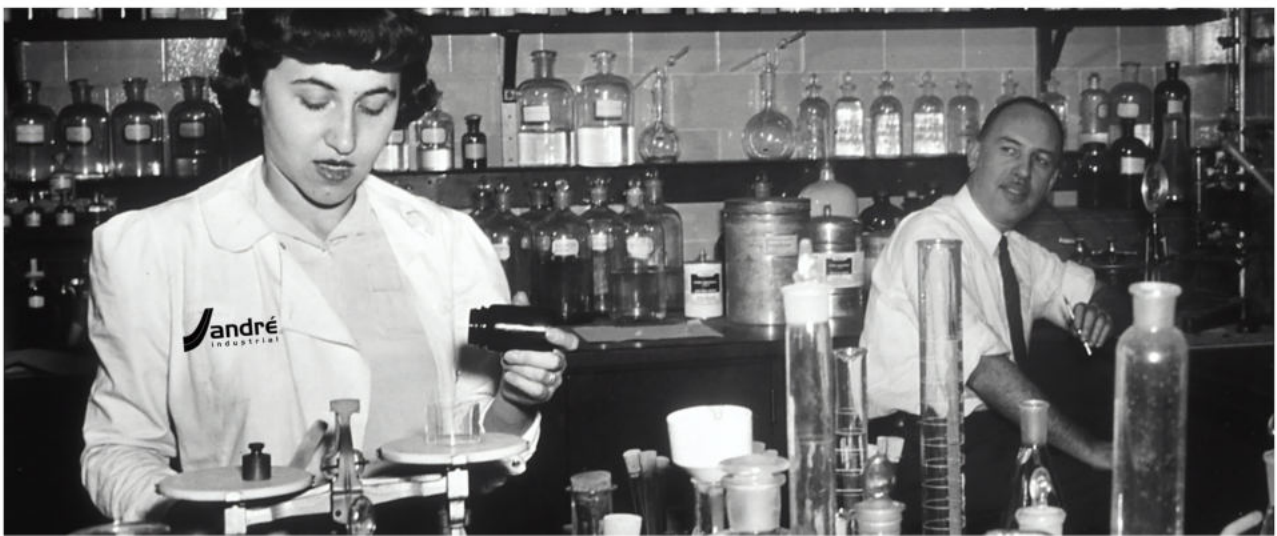
2007

ANDRE INDUSTRIAL WAS FOUNDED

2021

ANDRE TECHNOLOGY WAS FOUNDED

CONTINUED GROWTH



ABOUT US

ANDRE ...YOUR PROFESSIONAL PARTNER

André, a company whose name stands for over 80 years of professional experience. André Industrial AG develops and manufactures high performance coatings, adhesives and sealing technology for the Hunting and Defence Industry.

Closeness to customers and the shortest delivery times are characteristics of our company and the reasons for the central location of the head office in Switzerland.

Our independent company enterprise, excels in the quality and the competitive manner it does due to the close proximity of our clients, product innovations, an added personal touch. Each situation is treated individually and we understand the importance of our clients needs no matter how large or small.

Where larger companies may not react satisfactorily to your situation due to lack of interest with the quantity and complexity, we are at home and available to offer you a solution!



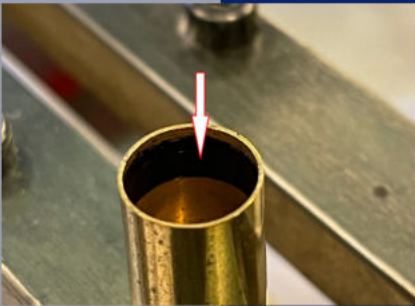
SMALL CALIBER

COATINGS
Nato approved



Primer groove varnish

Solvent based primer groove varnish
Colours: green, red, blue, black
Air drying
Fluorescent for optical inline inspection
Meets Nato waterproof test according AEP-97



Case mouth varnish

Solvent or waterbased based bitumen varnish according Nato standard
Air drying from 3 min to 12 hours adjustable
Meets Nato waterproof test according AEP-97
Fulfils the requirements for bullet pull-out strength



Top coating

Solvent based tip id coating
Colours: green, red, blue, upon request
Air drying



Antifriction varnish

Solvent based antifriction varnish
Colours: transparent
Anticorrosion and antifriction characteristics



Steel cartridge case coating

Solvent based baking varnish
Colours: greenolive and many more
Anticorrosion and antifriction characteristics
corrosion resistance and improved extraction. Common coatings include polymer coatings, lacquer, or even zinc plating. These coatings help protect the steel from environmental elements, enhance reliability, and reduce friction during the extraction process in firearms.



Shotgun shell coating

Water and solvent based coatings to protect the paper tube of the cartridge case.
Primer groove varnish in different colours.



Links coating

Lacquer helps to obtain enhanced corrosion resistance and antifriction properties.
Colours: black, grey, olivegreen - matt or glossy -



Hand grenades coating

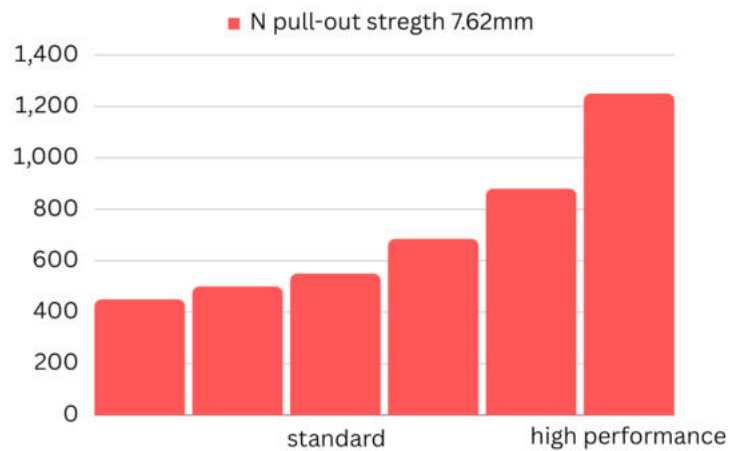
Stoving varnish to protect the steel or aluminium body against anticorrosion and environment influences.
Different colours and non-stick coatings.

EXTERNAL SEALANT

AMMUNITION SEALANTS

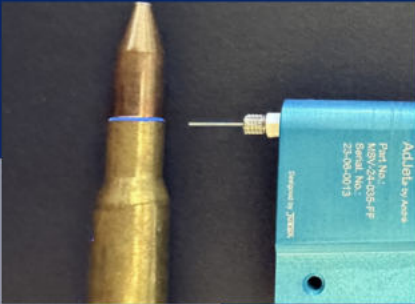
Andre external sealants are one-component acrylates to seal the primer and bullet.

- reduces the costs by uses less sealing coating, 1 litre for 700.000 cartridges
- UV- and anaerobic curing
- UV curable in 3-6 seconds by UV light (365nm) and is ready for use or packaging
- faster drying as traditional asphalt varnishes
- different colours like green, red, blue and more
- fluorescent for optical inline control
- available in a variety of strengths depending on different caliber preferences
- perfect penetration, especially with larger calibres with a high surface tension f.e. 12.7mm
- heat, environment and solvent resistance
- not flammable, no dangerous good



SEALANT

EXTERNAL SEALANTS



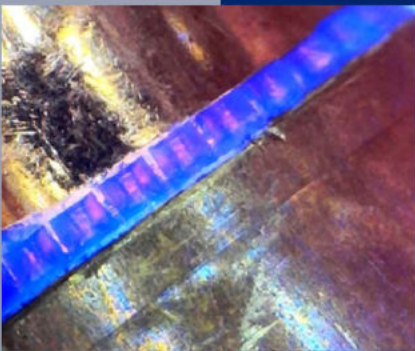
Standard External Sealant

External sealant is a single component, UV curable anaerobic sealant. It has a low viscosity penetrating material capable of bonding and sealing the primer and case mouth in ammunition. The bullet pull-out strength is much higher as the use with bitumen varnishes.

Colours: green, red, blue

Fluorescent for optical inline inspection

Meets the waterproof test according AEP-97 and bullet pull-out strength test.



Deep penetration resin

Andre DPR serie is a single component, UV curable anaerobic sealant. It has a very low viscosity penetrating material capable of bonding and sealing the primer and case mouth in ammunition. This sealant is specially formulated for ammunition that needs greater penetration because of different surface tension f.e. for 12.7mm ammo.



Primer external sealant

Andre primer external sealant has a single-curing mechanism. Low viscosity of the adhesive penetrating the primer groove and approves the waterproof test according AEP-97. It cures by UV-light or by air.



Blank ammunition sealant

Andre blank ammo sealant has a higher viscosity, UV and LED curable compound formulated to provide high performance, fast curing, coating, and sealing of ammunition blank tips. Dries even inside the sealant not only on the surface. 7m distance paper- and burn out-test shows perfect results.

Also available as dipping varnish.

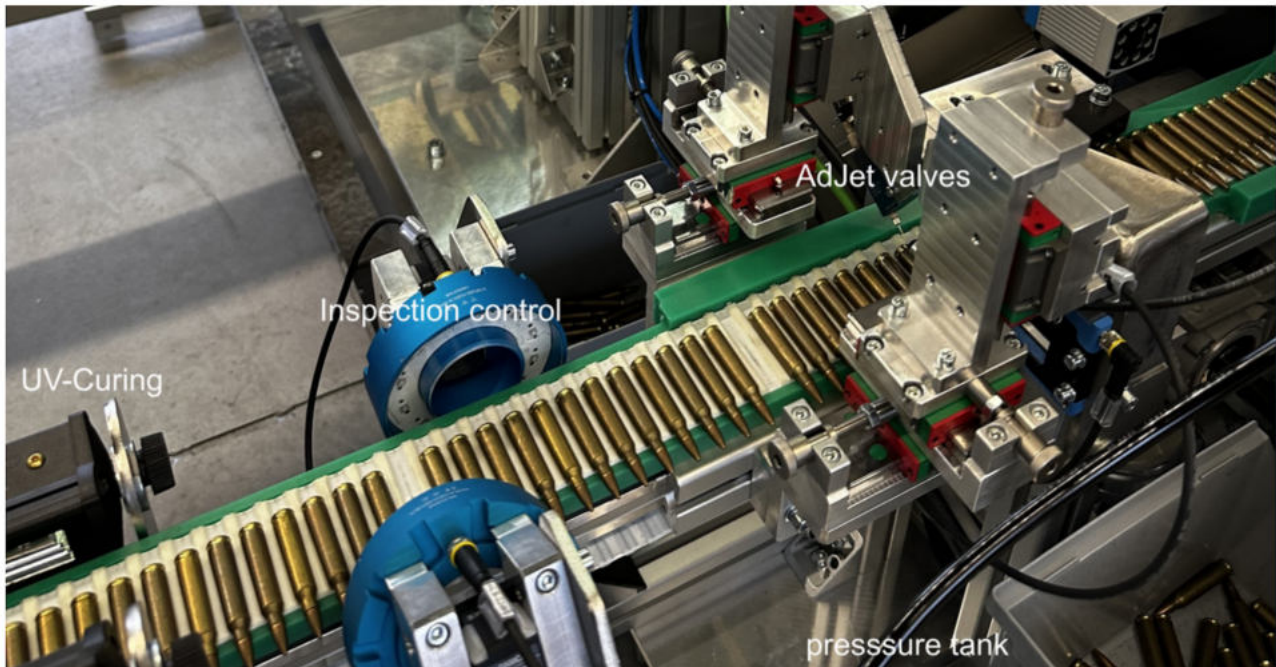
SEALING TECHNOLOGY

ADJET©



AdJet dispensing valve

The AdJet© precision dispensing valve accurately controls the application of low viscosity sealants. The AdJet valve provides repeatable precision micro-dispensing with a cycle rate of over 600/min. The fluid flow can be changed by the controller. Different needles are available. European socket for standard sensor cables. André controller for easy PLC controlling.



André Dynamic sealing machine to seal the bullet and primer by Andre sealing technology.

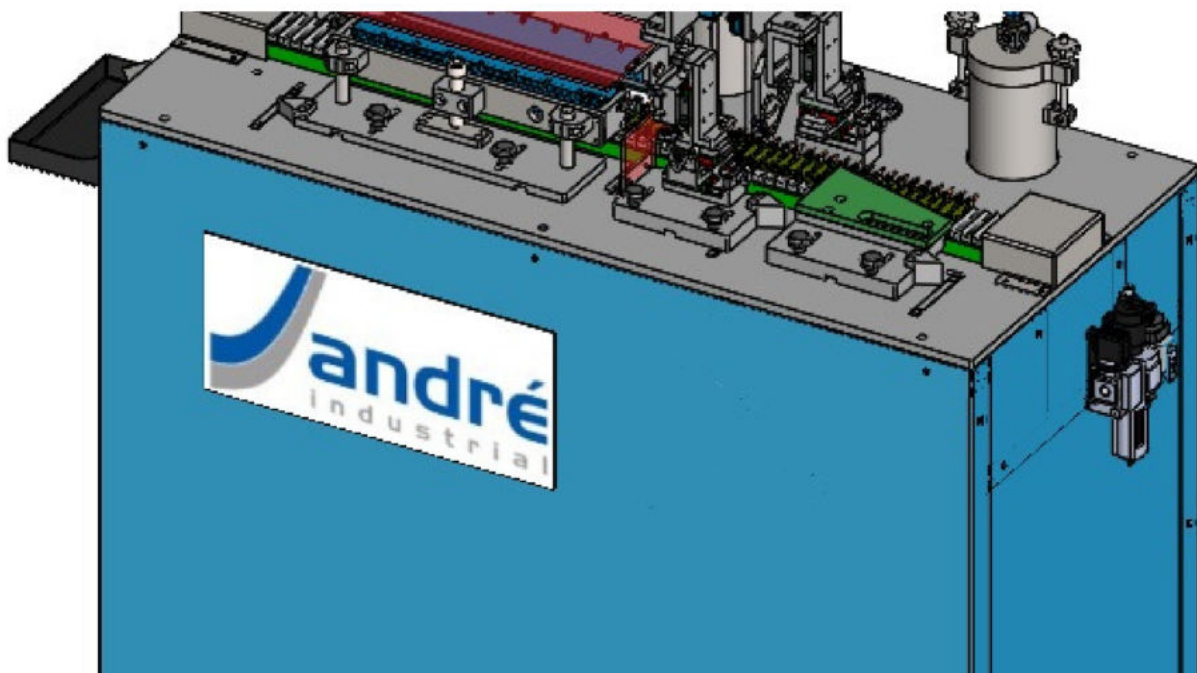
SEALING TECHNOLOGY

ADJET©



AdJet©
dispensing valve
with high-precision
needles

AdCure©
85110 high optical
power 11W/cm



The Andre autosealer is a compact, cost-effective ammunition sealing machine. The system was designed as a stand-alone machine for test or qualifying runs. In addition, the machine can also be adapted to existing production lines to get a full automatic loading. The primer and the bullet are sealed in parallel.

The speed is 96 mm/sec and can therefore seal up to 350 cartridges/min.
UV control system for inline optical control as option available.

AUTOSEALER 9000

ADJET®

The sealing machine is designed for ammunition sealing. The system can seal casemouth and primer.

The machine utilizes precision dispensing valves and UV curving light including camera detection of both sealing areas.

Automatic station can be a part of assembly line for ammo production and it is serviced by one operator.

The sealing process could be also integrated in packaging machine.

The standard device can be used for one type of cartridge and the dynamic device can be adjustable for calibers 9×19 mm, 5,56×45mm, .223REM, 7,62×39 mm and 7,62×51 mm.

	Table	Standard	Dynamic
Dimension l/w/h	1,2m/0,5m/1m	3m/1,4m/2,6m	3m/1,4m/2,6m
Weight		1,4 t	1,4 t
Speed	250 pcs/min	250 pcs/min	250 pcs/min
Electric/Pneumatic	400V/6bar	3KW/ 3x400V/6bar	3KW/3x400V/6bar
Camera control inline	option	Yes	Yes



MEDIUM CALIBER

COATINGS



Medium caliber coatings

Antifriction exterior varnish, inside coatings and type coatings

20mm/ 25mm/ 27mm/ 30mm/ 35mm/
40mm/ 50mm/
57mm/ 105mm/ 120mm



Andre is a superior quality producer of small , medium and large caliber ammunition coatings. Our many years of know-how in the field of phosphating, pickling and pre treatment processes benefited from the Andre Group's coil coating business. The portfolio covers a broad range of interior and exterior antifriction coatings.

ANDRE INDUSTRIAL AG

LET'S WORK TOGETHER

info@andre-industrial.com

www.andre-industrial.com

+41 76 6045460 (WhatsApp)



© Andre Industrial AG