



WELCOME

TO THE WORLD OF TCN

DRY-BARRELING

BK23 POLISHING

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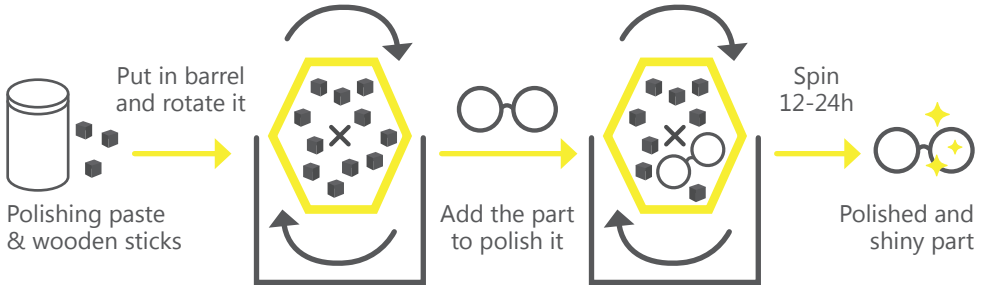
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THE DRY-BARRELING PROCESS

Polishing schema



The process of dry-barreling involves putting pieces to be polished in bulk into rotating barrels. These barrels contain small wooden, or nylon pegs coated with more or less abrasive paste.

When the barrels rotate, the pieces are subjected to continuous friction movement against the pegs, which polish the pieces. Several successive polishing steps with the appropriate polishing paste allow to eliminate the surface defects of the parts (jointing surfaces, scratches...) to obtain satin or glossy finishes.

It is a simple, convenient, and cost-effective technology for surface treatment of small pieces made of plastic materials, natural materials, and hard metals.

Double tumblers



PRESENTATION OF TCN PRODUCTS

For more than 60 years, TCN offers the full range of the polishing process:

- **polishing pastes of varying granularities:** grinding, smoothing, polishing and brightening pastes, to allow a perfect finish with several successive steps.

Designed by TCN and manufactured in our workshops in France, they are packaged in metal pails of 20 kgs. They allow to reach a perfect finish on plastic items.



- **Various pegs:** the choice of size, shape, material, and quality of the pegs is an essential element to reach a good final result.
- **Process oils.**
- **Preparation pastes for pegs.**
- **Detergents:** to remove oils and grease from the surface of polished parts.
- **Brightener in liquid form based on self-shining vegetable waxes,** for a perfect finish on all types of materials.
- **Polishing bars** for a manual use on a wheel.

Steps of polishing process:



» STEP 1: GRINDING

The first operation can be done in different ways of which:

**Process oil
+
pumice
in powder
form**

or

Paste 8622

Suitable on soft plastic material to remove surface defects and also particularly effective on hard plastic materials to prepare the surface before varnishing

» STEP 2: SMOOTHING

Smoothing with product Paste ECO C600.



Made of « green » ingredients, it doesn't contain any classified substances.
It is silica-free, making it a safe choice for the health.



ECO C600 is also environmentally friendly as it is made with plant-based solvents and produces no emissions of petrochemical solvents into the atmosphere.



In addition, it has an abrasive quality identical to our best seller 2896C600 polishing paste.



Made in France in our workshop for those who want to combine professional performance and respect for the environment.

STEP 3: POLISHING

ECO Base 605 is used in addition to the ECO 605+. This base allows the ECO 605+ paste to properly adhere to the pegs.



For anyone looking to achieve the highest quality finish: ECO 605+ presents excellent performance, **it ensures an ultimate gloss.**



ECO 605+ is environmentally friendly as it is silica-free and it is made with plant-based solvents. It produces no emissions of petrochemical solvents into the atmosphere.



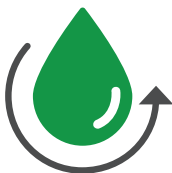
Suitable on plastic and metal, the versatile paste

delivers a mirror-polish for high-end parts made of acetate cellulose, polyester, Plexiglas®, precious metal...



Made in France in our workshop for those who want to combine professional performance and respect for the environment.

STEP 4: BRIGHTENING (OPTIONAL)



ECO BS3208 brightening paste contains self-polishing vegetable waxes which allow a perfect finish: gloss and color depth on parts after a polishing or after a dyeing operation.

Its formulation brings waterproof and anti-fouling protection to treated items.

OUR SERVICES

We accompany you
in the implementation
of your polishing
process



Manufactured
in our workshop
in France and without
intermediaries,
**we offer quality
products
in a short time**

We provide you
with technical
assistance

We are available
for process start-up
and technical
support

**Come and visit
our factory**

**Subscribe
to our YouTube
channel**
to follow our news

**To test our polishing products,
please contact us at:**
office@color-tcn.com

COMPONENTS FOR BARRELING

Wooden and nylon pegs for dry-barreling.

Our pegs of different material, shapes and sizes are suitable for each step of dry-polishing of plastic items.

- ✓ Guaranteed to last long.
- ✓ Pollution-free.
- ✓ Natural wood: beech or birch.
- ✓ Not treated wood.
- ✓ Ready to be coated with our polishing products.

				
PRODUCT	Wooden cube	Wooden lozenge	Nylon lozenge	Wooden point
APPROXIMATE SIZE	• 6x6x6 • 8x8x8 • 10x10x10 • 12x12x12	• 6x20 • 8x24 • 10x26	• 8x21	• 5x25
PACKAGING	Packed by 25 or 30 kg bag			
MARKET	Eyewear, garment accessories, jewelry, hand made pieces			



MANUEL POLISHING ON WHEEL



Our polishing bars are used on cotton or flannel wheel for a manual polishing.

They are widely recognized for their high performance.

They present an excellent durability and allow a final mirror polished finish.

- **Grey 3/0 GTB: plastic grinding.**
- **Yellow W3: plastic and metal polishing.**
- **Beige 725: plastic finishing.**
- **Pink M1800: plastic and metal brightening.**

CLEANING AND DEGREASING

At each step of the polishing process, our detergents allow the essential cleaning and degreasing by ultrasound.



APPLICATIONS





Techniques Chimiques Nouvelles

A Colorful World

IMPRIM'VERT®

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