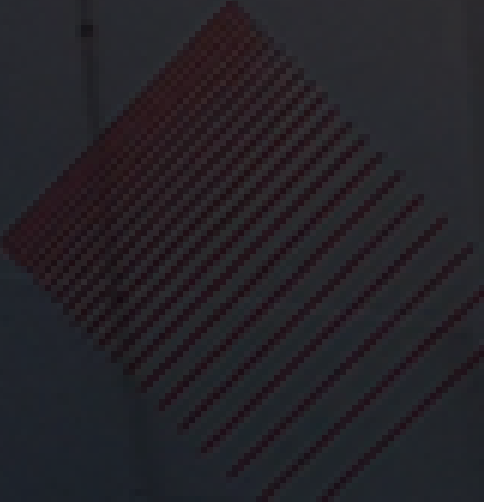




TISKARNA NOVO MESTO D.O.O.

COMPANY PRESENTATION

 **tiskarna
novo mesto, d.o.o.**

Content

ABOUT THE COMPANY

PRESENCE ON THE MARKETS

INVESTMENTS

PRODUCTS

- Folding boxes
- Leaflets

TECHNOLOGY

- Computer preparation
- Printing
- Cutting and folding of leaflets
- Cutting and gluing of folding boxes

QUALITY

- GMP, ISO 9001, FSSC 22000
- Types of folding cartons
- Quality control

SUSTAINABILITY

- Sustainability 2030
- FSC certificate

CONTACT

ABOUT THE COMPANY

TNM d.o.o. is a member of Perspektiva group



LISCA



Hidrotehnik
Vodnogospodarsko podjetje d.o.o.

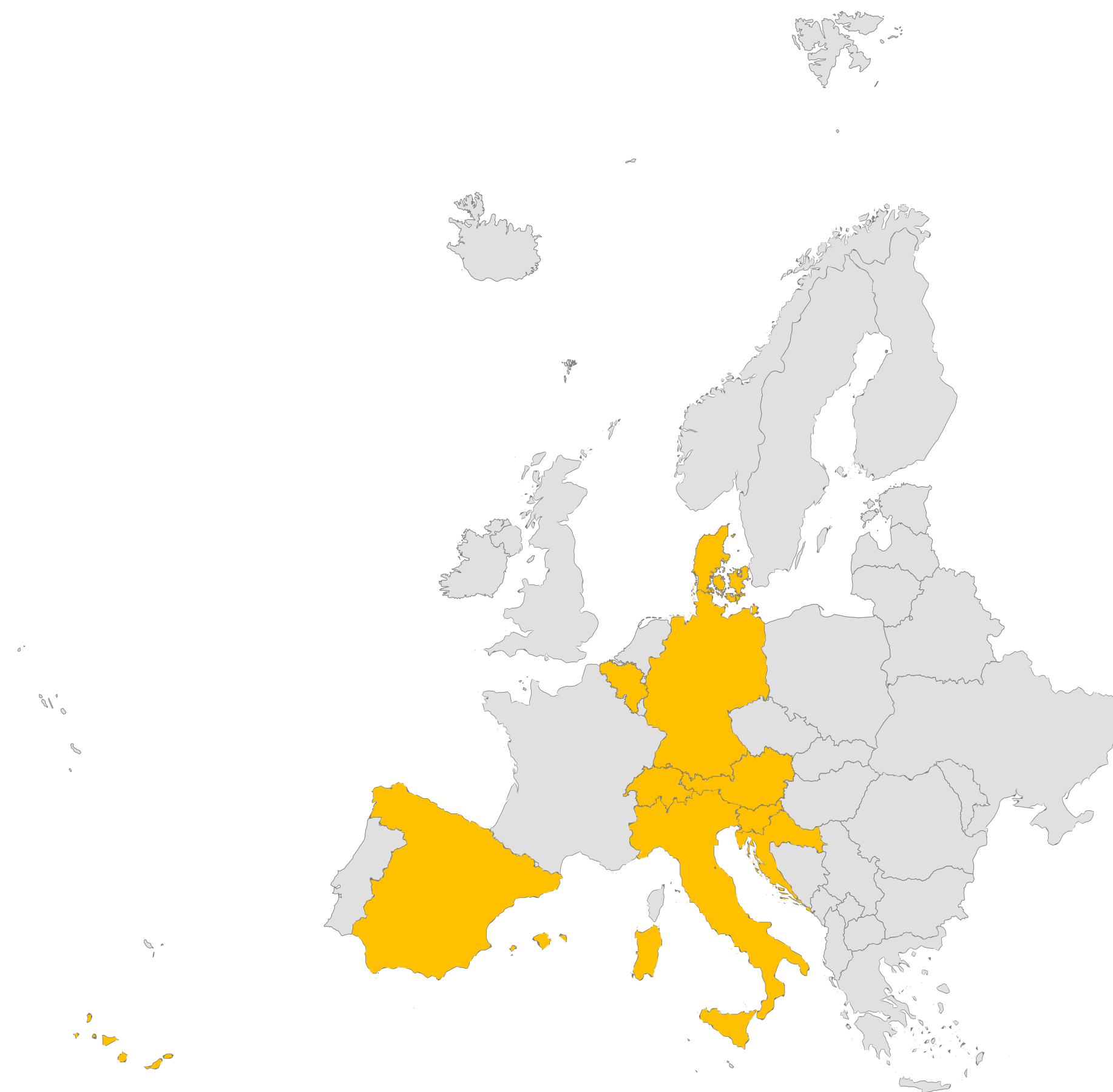
ABOUT THE COMPANY

BASIC INFORMATION

- **TNM d.o.o. was established in 1958.**
- **We are the leading Slovenian printing company specialized in production of folding boxes and leaflets. (pharma and food industry)**
- **Nr. of employees: 160**
- **Turnover in year 2022: 20 mio €.**
- **280 mio folding boxes.**
- **200 mio leaflets.**

PRESENCE ON THE MARKETS

- **Slovenia**
- **Croatia**
- **Austria**
- **Italy**
- **Germany**
- **Switzerland**
- **Belgium**
- **Denmark**
- **Spain**



INVESTMENTS

2018 (0,9 mio €)

Offset press
Heidelberg SX 102-
2-P (format B1)

Cogeneration unit
Rack - push back
Jungheinrich

Cutter plotter
Kongsberg X20
(format B0)

Folding machine
GUK FA 74/4-2 R6-
74

2019 (1,8 mio €)

Pallet
transportation
and wrapping
machine

CTP Suprasetter
A 106

Offset press
Heidelberg CX
102 - 6+L (format
B1)

2020 (0,6 mio €)

Die-cutting and
embossing
machine
Heidelberg
Promatrix 106 CS

Ventilation and
cooling system in
production
building

Increase of
storage
capacities (input
materials) 400m²

Arrangement of
surroundings

2021 (0,3 mio €)

Folding machine
GUK FA53/12-4
R6

HHS upgrade of
the gluing and
control system on
the gluing line

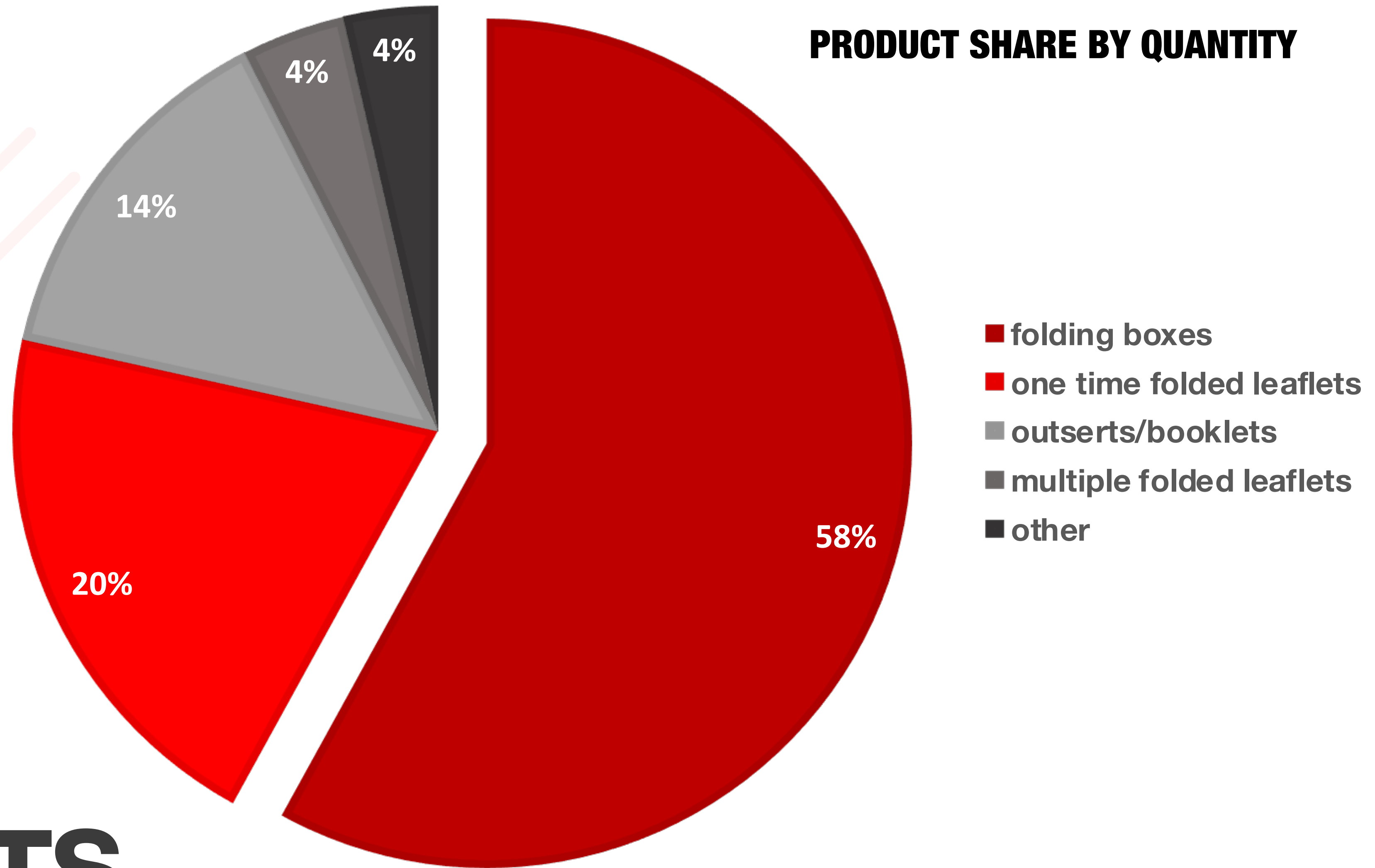
2022 (0,6 mio €)

Braille lettering
machine

Folding machine
GUK FA53/16-4 R6

Storage carousel
Hanel (Rotomat)

PRODUCTS



PRODUCTS - FOLDING BOXES

We produce folding boxes for **pharmaceutical and food industry.**

Applications on folding boxes:

- Embossing
- 2 sided Braille press
- Perforation
- Varnishing

Gloss water varnish (gloss, high gloss)

Matte water varnish

Matte soft touch varnish

Sand touch varnish

UV varnish

- Hot foil printing
- Lamination



For production of folding boxes we use paperboards with a grammage of up to

450 g/m².

PRODUCTS - LEAFLETS

Unfolded leaflets

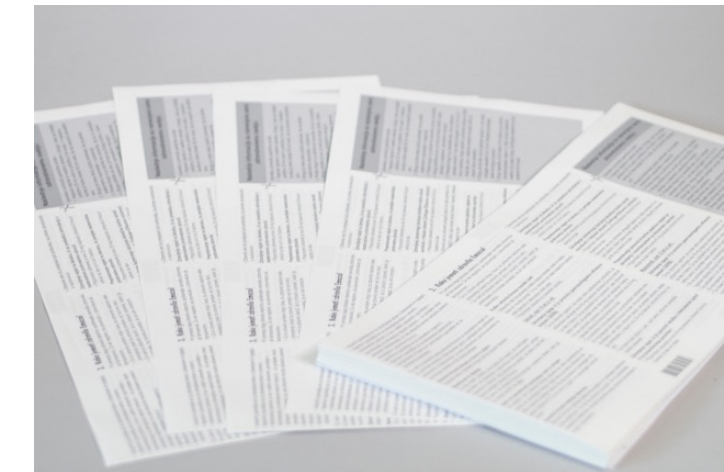
- *On papers with grammage of 40g/m² to 90g/m².*

Folded leaflets

- *Single folded leaflets.*
- *Tri-fold leaflets (two folds).*
- *Multi-folded leaflets.*
- *On papers with grammage of 40g/m² to 70g/m².*

Folded-glued leaflets (outserts)

- *Glued on 2 points*
- *On papers with grammage of 40g/m².*



TECHNOLOGY

HEIDELBERG

AGFA



■ BOBST



TECHNOLOGY

Computer preparation

- **CTP (computer to plate)**
- **Non chemical process of CTP plates processing and standardized RIP (Raster Image Processor) control ensure the adequacy and reproducibility of printed matter.**
- **We use sophisticated software to review and compare files.**



TECHNOLOGY

Printing

- **Offset technology**
- **Inpress technology provides color control and prevents color fluctuations during the printing process.**
- **Heidelberg B1 and B2 format offset presses, 2 to 6 colors.**



TECHNOLOGY

Leaflet cutting and folding

Machines from recognized manufacturers:

- **Cutting machines Polar**
- **Folding machines Mathias Bauerle in GUK.**

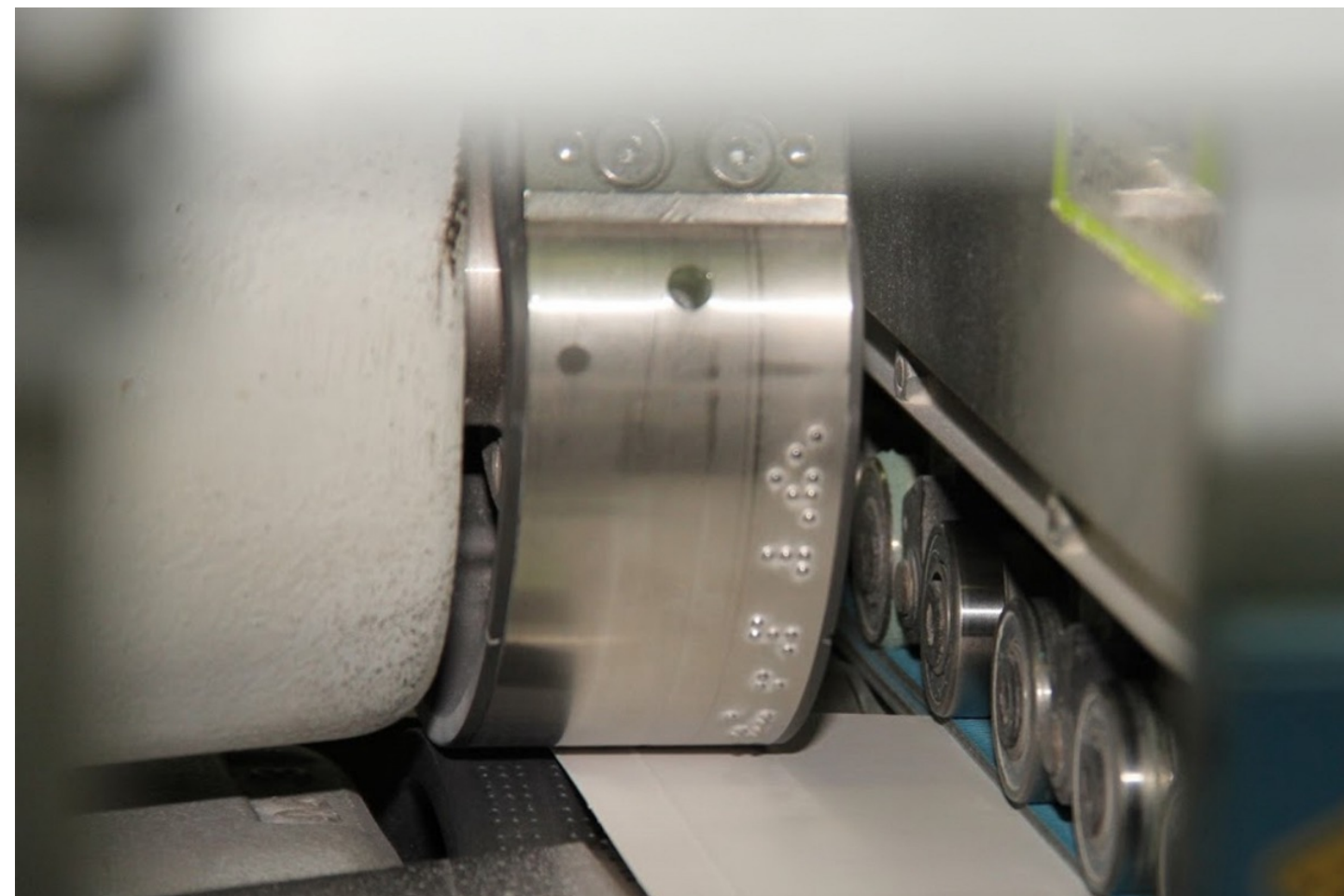


TECHNOLOGY

Folding boxes cutting and gluing

Machines from recognized manufacturers:

- **Bobst (Switzerland)**
- **Heidelberg (Germany)**



QUALITY



- Production is based on the principles of good manufacturing practice (GMP) and quality standard ISO 9001
- Employees are regularly educated and informed about new developments in the field of technology, quality and customer requirements.
- Each project follows a strictly controlled process that leads from the idea and draft to the perfection of the product.
- 95% of our products are produced for pharmaceutical industry, that requires technological perfection, impeccable mechanical equipment and 100% quality.
- Long term relationships with customers and suppliers.
- The company has a quality management system according to ISO 9001:2015. The most important goal is to provide high quality products for the most demanding customers and to actively implement technological changes. That's why we use equipment and raw materials of the highest quality from recognized manufacturers.
- Tiskarna Novo mesto d.o.o. has obtained **FSSC 22000**. Certificate **nr. 11355717 FSSC 22000** gives clearly defined requirements for materials suitable for food contact. So Tiskarna Novo mesto d.o.o. became an **approved manufacturer** for packaging that is suitable **for direct and indirect contact with food**.

QUALITY

Cardboard types, that we use

GC1

- Pigment coated folding box board (FBB), white back.
- Woodfree white top and back, middles cream (mechanical pulp).

GC2

- Pigment coated folding box board (FBB), cream back.
- Woodfree white top, middles and back cream.

GT1

- Pigment coated white lined chipboard (WLC), white back.
- Woodfree white top, middles grey, white back.

GT2

- Pigment coated white lined chipboard (WLC), cream-white back.
- Woodfree white top, middles grey, cream-white back.

GT4

- Pigment coated white lined chipboard (WLC), brown back.
- Woodfree white top, middles grey, brown back.

QUALITY



Cardboard types, that we use

GD1

- Pigment coated white lined chipboard (WLC), spec. Vol. $>1,45 \text{ cm}^3/\text{g}$.
- Woodfree white top, grey middles and back.

GD2

- Pigment coated white lined chipboard (WLC), spec. Vol. $<1,45 \text{ cm}^3/\text{g} >1,3 \text{ cm}^3/\text{g}$.
- White top, grey middles and back.

GD3

- Pigment coated white lined chipboard (WLC), spec. Vol. $<1,3 \text{ cm}^3/\text{g}$.
- White top, grey middles and back.

QUALITY



Quality Control

Acceptance inspection

- Input material quality inspection.

In-line inspection

- Electronic control of printed matter with the Global Vision program.
- Braille lettering is checked with the program Pixel Proof – Dotscan.

Pre-shipment inspection

- For each shipment, we issue a certificate that confirms the product's compliance with the customer's requirements.



SUSTAINABILITY

Sustainability 2030

- **In 2022, we built a solar power plant with capacity 320kW and we are planning to upgrade it until 2025.**
- **In order to reduce carbon footprint on the environment, we have decided to continue working with modern techniques and technologies.**
- **Modernization of assets:**
 1. Internal renewable energy production (in winter time with cogeneration, we produce heat and electricity at the same time on natural gas)
 2. Heat recovery from exhaust of printing machines
 3. Improvements in production hall (insulation, air ventilation system and recuperation, Led lights, effective use of electricity, additional insulation of the entire building, etc.)
- **Remain FSC® certification.**
- **Plan to acquire ISO14001 certificate until the end of 2024**
- **Goals until 2030:**
 1. Reduction of greenhouse emissions by 26% -50%.
 2. 50% self-sufficiency in electricity (cogeneration and solar power plant)
 3. Reduction of clear water consumption by 30%.



SUSTAINABILITY

FSC CERTIFICATE

Tiskarna Novo mesto d.o.o. obtained **FSC® certificate**, license **nr. SA-COC-008417**. FSC® certification ensures that products come from responsibly managed forests that provide environmental, social and economic benefits.



The mark of
responsible forestry



CONTACT

Join TNM and together
we can build something amazing!

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