



PROMONT
TECHNIKA POWIETRZA



PWPO-T PROMONT COMPANY



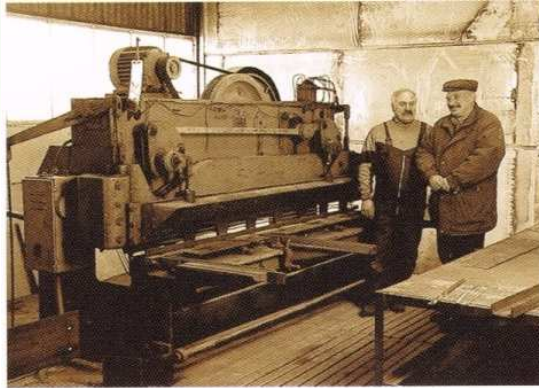
Established 1988,
family-owned

230 employees
142 in production
17 in R&D including PH.D and several MSc.

13 000m² production space
total 15 000 m²



HISTORY



1988

1994

1998

1999

...

The foundation of
PROMONT – design
office specialising in
HVAC

Acquisition of the
first machine

First
TRUMPF
laser
cutting
machine

Procurment of
the first line
for heat
exchangers
tubes / \varnothing 12



HISTORY

2000

The begining of cooperation with Technical University in Wroclaw.
Acomplishment of heat exchangers meterology lab.

2003

Our heat exchangers are exported for the first time.

2004

Hairpin bender machine (U -tube),
Press for 16 mm tubes

2006

Opening of the new production site – 6000 m². 6000 m².

2007

New press for tubes 10 mm.
25% efficiency achived with new equipment.

...



2009

Acquisition of Bendmastera first Trumpf bending robot in Poland.



2009

ISO 9001:2008



2010

Production side 12 000m²

2011

Welding ISO 3834-2



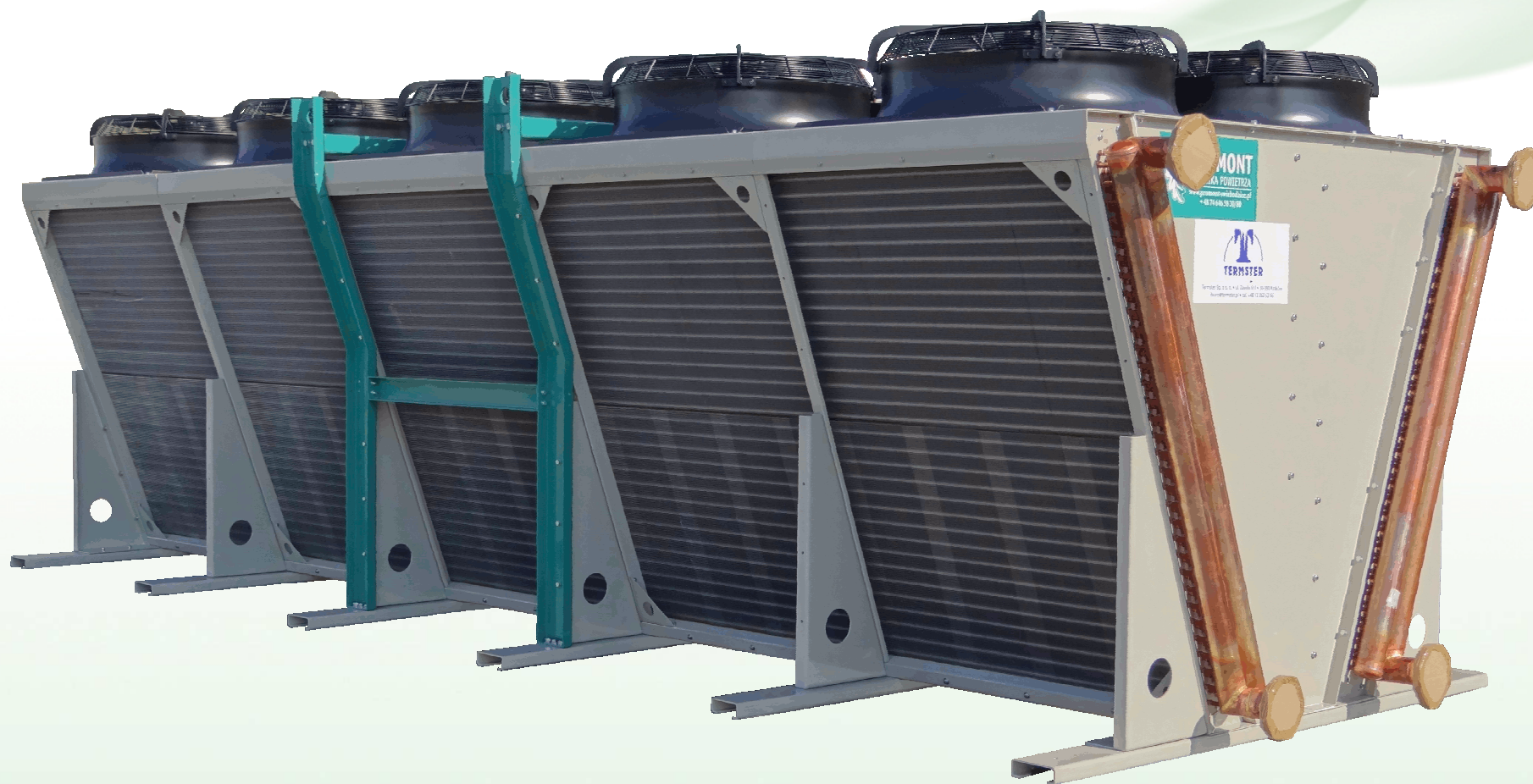
2011

New horizontal Expander which allows to manufacture drycoolers up to 12 m long.



DRY COOLERY

12 m DRYCOOLER



HISTORY

2012

Bespoke measuring equipment to test inhouse made and purchased fans.



2013

Innovation cooling tower to works with Dry Coolers



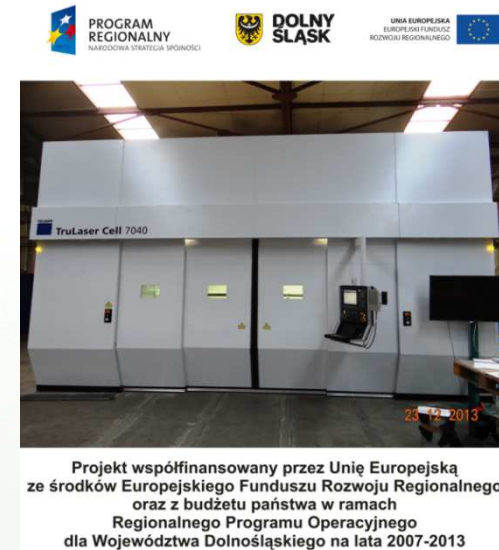
2014

Automatic Horizontal expander



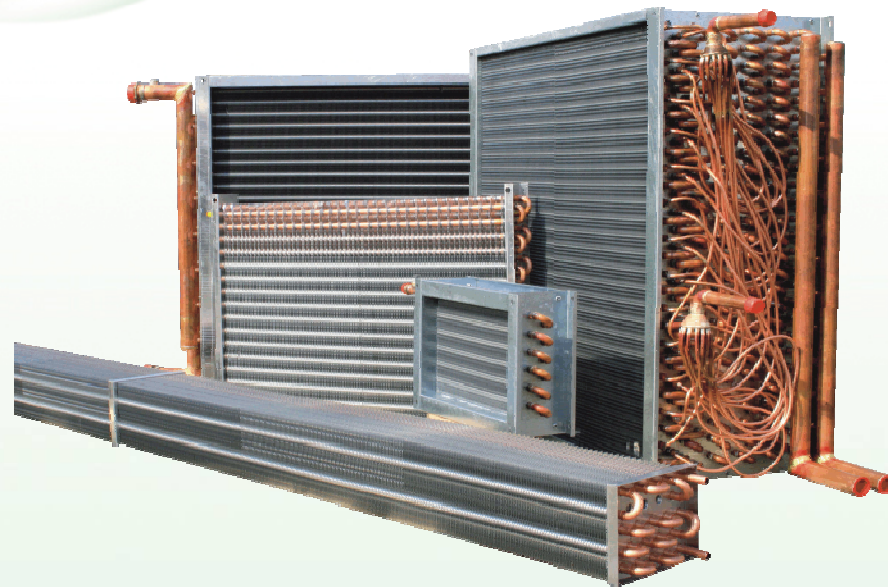
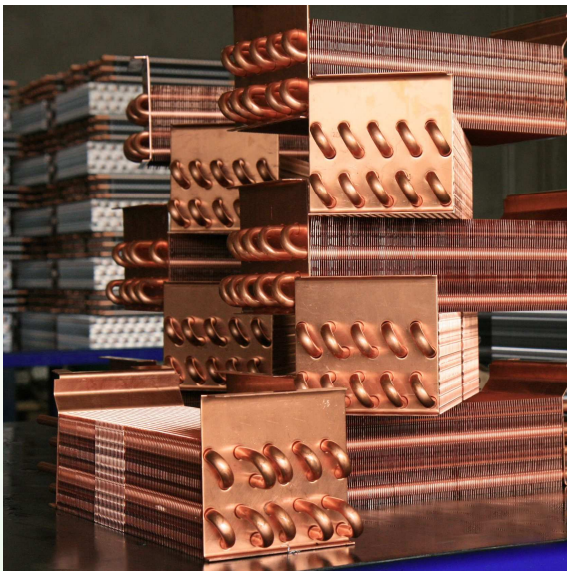
2014

Laser 3D to cutting and welding

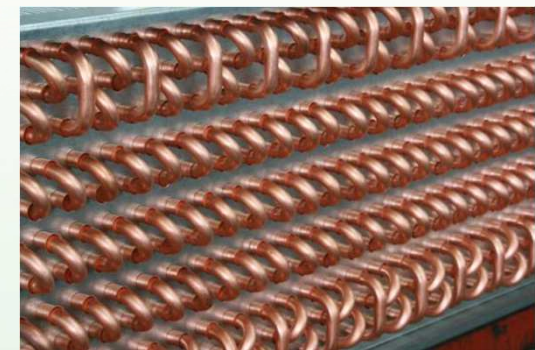
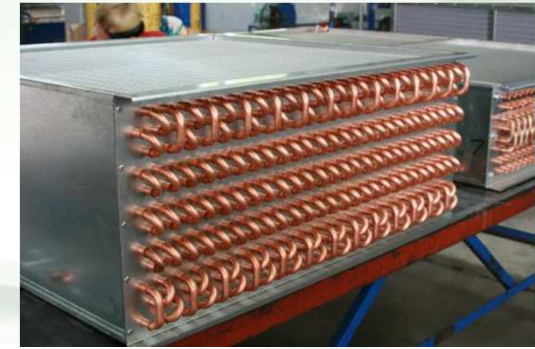
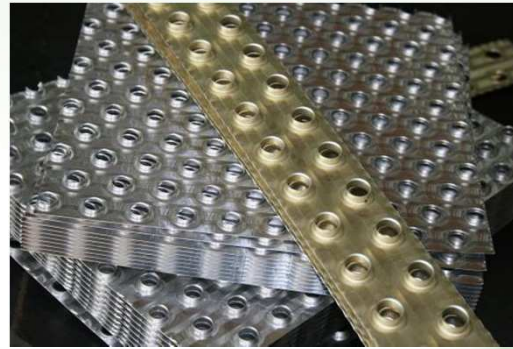


Promont has 16 years experience in
manufacturing Heat Exchangers

We produce more than 24 000 units/year from
1W to 1MW
10 x 20 cm to 12 x 3 m



EXPERIANCE



DRY COOLERS



WATER & GLYCOL AIR COOLED HEAT EXCHANGERS

Since 2002 Promont started to develop custom cooling systems.



WHY DRYCOOLER IS THE BEST SOLUTION FOR YOUR COMPANY?:

- Cools by blowing air across finned tubes –
- Operate at a temperature at least 5-10°F (3-5°C) above the ambient air (i.e. 95°F on a 90°F day)
- Waste heat recoverable as warm, dry air
- Low horsepower equals lower operating cost
- If installed outdoors, needs glycol antifreeze
- Closed loop operation never allows contaminants to enter the system
- Low maintenance costs



DESIGNED TO MEET YOUR NEEDS

WHAT MAKES OUR DRYCOOLER SO EXCEPTIONAL? :

- Our engineering department create each and every one to meet your exact needs,
- Highest quality is guaranteed by full control of the production process. (all is made inhouse),
- Installation made by our very well trained employees,
- Maintenance and service all over the world.

Engineering

To provide the best solutions:

- We start your system with an in-depth study of plant operations, location and climate,
- Autodesk Inventor – 3D environment,
- Using latest and most reliable HVAC software we can suggest most appropriate solutions.



Production process – allows to manufacture products tailored to your needs:

- Our DryCoolers are based on combination of **3 tubes dimensions and 4 geometry,**
- Thanks to advanced machine park we can make the frame out of: **black steel, zintec, galvanised steel, stainlees steel,**
- In house painting shop offers typical coating solutions or advaced systems as **NORSOK, C\$, C5 or others,**
- Fins can be made of: **aluminum, copper, epoxy aluminum or aluminum with magnesium.**



DRY and ADIABTIC COOLERS

IN ADDITION WE OFFER:

- Adiabatic coolers are designed to pre-cool the air inlet stream into the heat exchange coils,
- By increasing the relative air humidity the temperature is lowered to achieve an effective air-on-temperature as low as 5C above the wet bulb temperature.



DRY COOLERS - STANDARD PRODUCTS



Horizontal

Wielkość	Moc (kW)	Przepływ czynnika (m ³ /h)	Ilość wentylatorów (szt.)	Zainstalowana moc elekt. (kW)
NW 16 KZ/40T-06R-2900A-25P-40NC	265	46	4	8,4
NW 16 KZ/40T-06R-4500A-25P-60NC	400	70	6	12,6
NW 16 KZ/40T-06R-6500A-25P-120NC	550	95	8	16,8



DRY COOLERS - STANDARD PRODUCTS

Vertical

Wielkość	Moc (kW)	Przepływ czynnika (m ³ /h)	Ilość wentylatorów (szt.)	Zainstalowana moc elekt. (kW)
2xNW 16 KZ/32T-06R-2900A-25P-32NC	360	62	4	13,2
2xNW 16 KZ/32T-06R-4500A-25P-48NC	640	114	8	26,4
2xNW 16 KZ/32T-06R-6500A-25P-64NC	860	150	10	33,0



AVAILABLE OPTIONS:

- quiet and ultra-quiet version,
- fans with auto- speed control,
- spraying system,
- electrophoretic painted heat exchanger,
- copper tubes Ø10 / Ø12 / Ø16,
- aluminium coated fins EPOX,
- copper fins.



References



FoodCare Sp. z o.o. Production Facility Niepołomice POLAND

References



Górnośląski Park Przemysłowy w Katowicach

Trigeneration installation consisting of module cogeneration CHP and absorption unit ABS.

References



Nyska Energetyka Ciepła NYSA Sp. z o.o.

References



OPEC Wejcherowo

www.drycooler.eu



Do you want to talk about cooling?

Call us!
+48 (74) 646 98 30



GREEN DRYCOOLERS:

1. It is the cheapest abstraction of heat from the technological or air-conditioning processes.
2. They are friendly to work and natural environment.
3. Durable and 100% Polish.



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