

# WE ARE HYFRA

Individual process cooling for reliable performance.

German Quality since 1981.

# Established 1981. Growing successfully.

1981 HYFRA was established in Neuwied by mechanical engineer Wolfgang Baum.

1991 The company moved to its present-day headquarters in Krunkel.

1997 HYFRA became a stand-alone brand in the Refrigeration Division of Lennox International. Under the leadership of the American corporation, HYFRA gained a worldwide market presence.

2023 HYFRA is now an innovative sector leader with over 210 employees and part of the Precision Cooling Division of the Glen Dimplex Group since Nov. 1<sup>st</sup>.



# Made in Germany. In demand worldwide.

Our corporate headquarters  
is in Krunkel / Rhineland-  
Palatinate.

Our sales and service  
partners are there for you  
worldwide.



# Sectors – more output for your processes

Our reliable cooling systems have safeguarded and accelerated production processes in a wide range of sectors for 40 years.

For laser technology, filtration and machine tool applications in particular, HYFRA cooling solutions are first choice when precise, reliable compliance with process temperatures is required.



Machine Tool



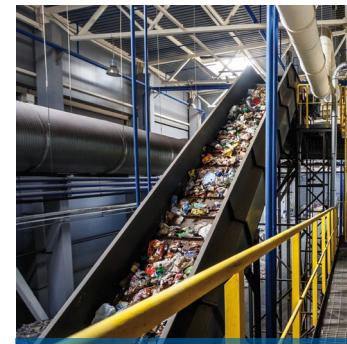
Filtration



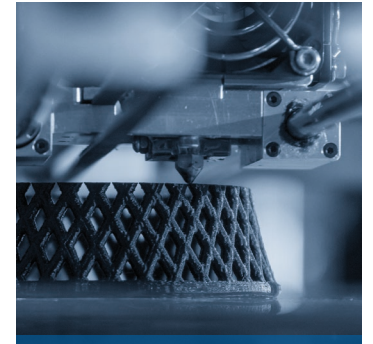
Laser



E-mobility



Recycling



Additive  
Manufacturing



# We provide the cooling/solution of the future

At HYFRA, inventive power is combined with care, allowing us to always satisfy our customers' high quality standards reliably.

Take the sector-leading **microchannel technology** we developed for example: it reduces the amount of refrigerant used by up to 60%.

Or our energy-saving HYFRA **FleXX technology** for demand-based operation control. HYFRA control units can now optionally be designed for applications in interconnected **Internet of Things processes**.

# GLEN DIMPLEX PRECISION COOLING



# We are part of the internationally active **Glen Dimplex Group**.



## Glen Dimplex

- One of the world's leading manufacturers of electrical heating and cooling devices.
- Major global market player for domestic appliances, cooling, ventilation and applications for renewable energy.

## Facts & figures

- Founded in 1973 by Martin Naughton
- Head Office in Dublin, Ireland
- Privately owned by the Naughton family
- 4 divisions
- Turnover > 1.2 billion Euro
- > 9,000 employees

# Our purpose & our values.

To be a leader in the transition to a sustainable world.



## We think customer.

We take the time to listen to our **customers** and understand their needs and ambitions. The more we know about them, the better we serve them.



## We care about people.

We care about our **people**, our partnerships and our customers. We value long term relationships built on professionalism and trust.



## We value innovation.

We are an international community of solvers, combining human **ingenuity, expertise and technology** to deliver **products and solutions** that **empower everyday life**.



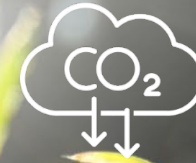
## We keep it simple.

We **cut through the complexity** to **make things easier**, finding the insight needed to communicate universal value for a worldwide audience of customers and consumers.

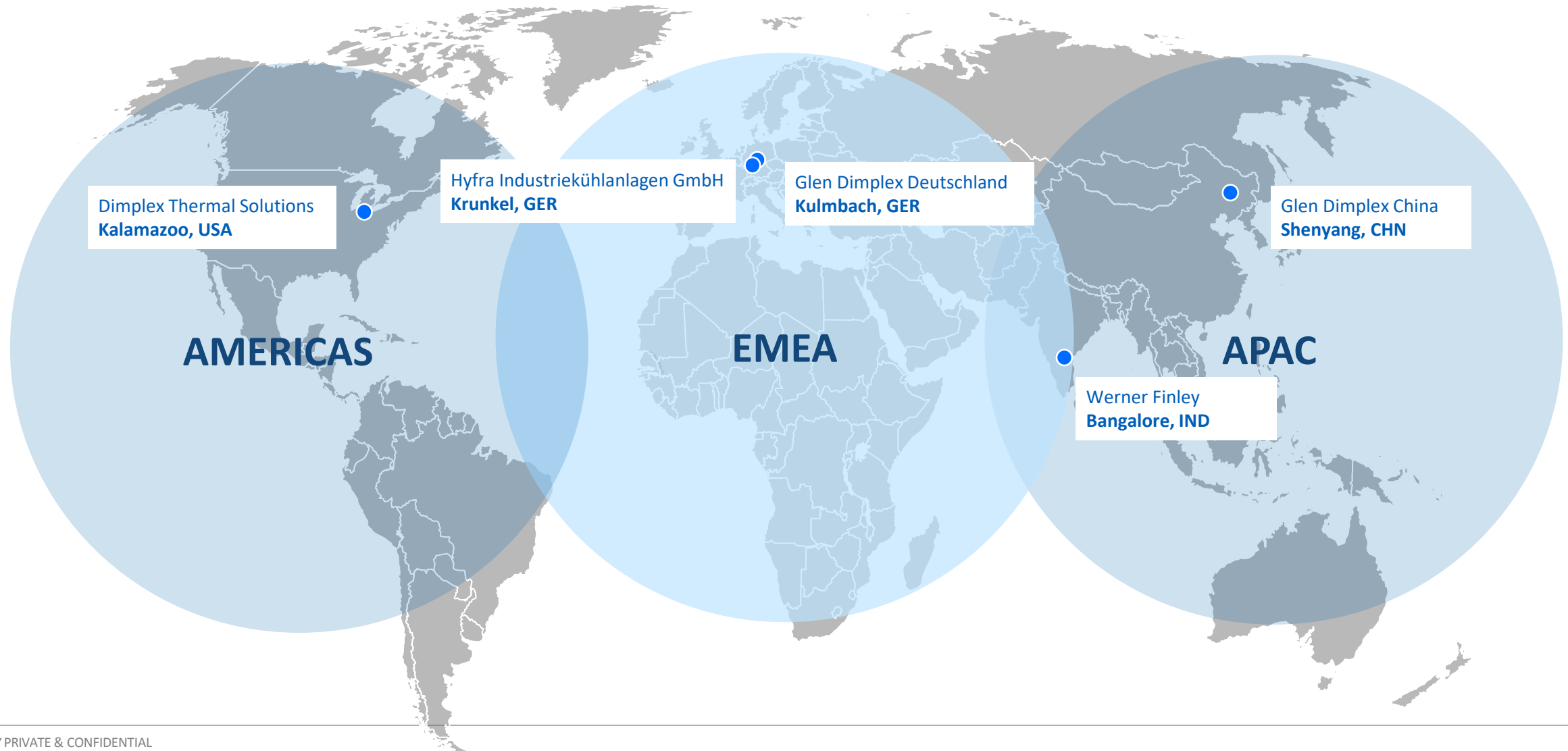


## Energy-efficient cooling solutions.

To be a global leader in sustainable cooling & heating solutions for industrial processes.



# Global development, production & service from a single source.



# HYFRA product portfolio

HYFRA offers you a wide range of powerful air- and water-cooled re-coolers with multiple equipment options that we will customize to satisfy your needs.



HYFRA Alpha

HYFRA Alpha c

HYFRA Gamma














HYFRA Sigma

HYFRA Sigma c

HYFRA eChilly

HYFRA eChilly+

# Product overview

		<div>HYFRA Alpha</div>  <div>Circulating chiller</div>	<div>HYFRA Gamma</div>  <div>Immersion chiller</div>	<div>HYFRA Sigma</div>  <div>Recooling systems</div>	<div>HYFRA eChilly, eChilly+</div>  <div>Recooling systems</div>
	Reduced footprint	✓	✓	✓	
	Reduced footprint	✓		✓	
	FleXX technology	✓	✓	✓	
	Water	✓	✓	✓	✓
	Oil	✓	✓		
	Emulsion	✓	✓		
	Cooling capacity	5 – 320* kW / 1 - 91 Tons 	5 – 160 kW / 1 – 45 Tons 	5 – 320 kW / 1 – 91 Tons 	1 – 6 kW / 0.3 – 2 Tons 

\* Emulsion/Oil 5-160kW / 1-45 Tons



- ✓ Energy efficiency: up to 30% lower power consumption
- ✓ High operational reliability through PLC control
- ✓ Flexible power supply
- ✓ Temperature precision of up to  $\pm 0.1$  K
- ✓ Made in Germany
- ✓ Low operating costs
- ✓ Reduced use of refrigerants
- ✓ Operating data collection and evaluation
- ✓ High service time and cost transparency





# HYFRA products: example applications

HYFRA Sigma in the automotive industry. HYFRA models with reduced base dimensions create room and add flexibility to production layouts.



# Our vision – which path will HYFRA take?

We want to develop and build the best cooling solutions in the world. And in the process, master technical challenges in partnership with our customers.

We want to continuously set new standards of quality and reliability. We will provide partnership and assistance to our customers over our systems' entire life cycles.

Some technical developments are only possible in theory today. With our joint know-how, we want to drive them forward and help them become reality.



We support our customers – in the laser industry, machine tool engineering and filtration, in particular – with the process cooling of their machines.



## Customized. Cooling. Solutions.

We can adapt our standard models to a variety of needs.  
As required, we will develop the perfect solution for you according to your specifications.

We always find the best product-service-solution for you.  
This is why HYFRA has been successful for 40 years.

# Modern, consistent brand image

A uniform look and the new, targeted communication materials reinforce our corporate identity.





# Our recipe for success?

Precision, inventive engineering spirit – and open communication with our customers.





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