

# Product Range

Climate Chambers **NEW**

Incubators **NEW**

ULT Freezer **NEW**

Digital solutions myChamber **NEW**

Heating and Drying Ovens

Medical Devices

Waterbaths



**MEMMERT** is one of the world's leading manufacturers of climate chambers and temperature control units for laboratories and industrial applications. Our product range comprises climate chambers, heating and drying ovens, incubators, ULT-freezers, medical devices, water baths and a variety of digital solutions.

In our role as innovation leader, our philosophy is to align new product developments with customer requirements whilst simultaneously striving for a maximum level of quality, reliability and sustainability. Standardised manufacturing processes in our ultra-modern production facilities implemented by a 550-strong workforce of skilled and experienced employees guarantee consistent high-quality standards.

**With over 90 years of experience and an international network spanning the globe, Memmert is synonymous with top Made in Germany quality.**

92

**years of  
experience**

**Climate Chambers****04**

## TYPICAL APPLICATIONS

Conditioning and climate testing of plastic material/metal, composite material  
 Storage of electronic components, lacquers, coatings in controlled environment  
 Stability testing (HPPeco/ICH according to ICH Q1A)

## PRODUCT SERIES

**HPPeco | HCP | ICH | TESTA-TT | TESTA-CT****Heating and Drying Ovens****06**

## TYPICAL APPLICATIONS

Drying, burning-in, ageing,  
 Vulcanising, degassing, curing  
 Burn-in testing, conditioning, heated storage

## PRODUCT SERIES

**U | UNpa | UFTS | VO****Incubators****08**

## TYPICAL APPLICATIONS

Microbiological tests, colony counts  
 Virology and toxicology

## PRODUCT SERIES

**ICO | IPPeco | ICP | I****Medical devices****10**

## TYPICAL APPLICATIONS

Sterilising of instruments and laboratory glass  
 Warming of non-sterile cloths and blankets  
 Cultivation of cells or tissue, in-vitro fertilisation, gene expression

## PRODUCT SERIES

**Um | Im | S | ICOMed | IFbw****ULT Freezer****12**

## TYPICAL APPLICATIONS

Long-term storage of biological materials (e.g., DNA, RNA, proteins, enzymes, blood, serum, vaccines, tissue samples)  
 Biobanking, cell line preservation, vaccine storage, forensics

## PRODUCT SERIES

**ULT****Water baths****12**

## TYPICAL APPLICATIONS

Temperature control of samples, plates, breeding media and emulsions in the laboratory  
 Softening temperature testing of plastic, warming of baby food

## PRODUCT SERIES

**WTB****myChamber digital eco-system****14**

## TYPICAL APPLICATIONS

myChamber connects physical devices with digital solutions – with the aim of making processes more efficient, secure and easier to control. Remote monitoring, centralised device management, seamless workflow integration.

## PRODUCT SERIES

**myChamber App | myChamber Control | myChamber Link | myChamber LIMS**

# Climate Chambers

Storing, climate testing, conditioning, stability testing, photostability testing.

Each Memmert climate chamber delivers a crucial point in stability and climate tests, conditioning or ageing: homogenous as well as stable temperature and humidity distribution over the entire chamber. All Memmert climate chambers offer digitally controlled active humidification and dehumidification, thus providing a perfect environment for stability testing in pharmaceuticals, cosmetics or food industry as well as climate and temperature testing in the electronics, chemical or automotive production.

## Constant Climate Chambers HPPeco

Model sizes: 108, 256, 384, 749, 1060, 1360 and 2140 litres  
Model variant: TwinDISPLAY

|                                                                    |
|--------------------------------------------------------------------|
| Setting temperature range: 0 °C to +70 °C                          |
| Setting range humidity: 10 % rH to 90 % rH                         |
| Heating and cooling based on unique Advanced Peltier Technology    |
| Extremely low energy consumption                                   |
| Hardly any vibration and noise                                     |
| Double doors (inside glass, outside stainless steel)               |
| Optional with LED light                                            |
| Optional available with more cooling power (performance option P1) |

### Features



Heating



Cooling



Humidity



Light



## Humidity Chambers HCP

Model sizes: 56, 107, 156 and 241 litres  
Model variant: TwinDISPLAY

|                                                                                                   |
|---------------------------------------------------------------------------------------------------|
| Setting temperature range: 18 °C to +90 °C                                                        |
| Setting range humidity: 20 % rH to 95 % rH                                                        |
| Six-sided heating incl. heated inner glass door: ensures short recovery times, avoid condensation |
| Double doors (inside glass, outside stainless steel)                                              |
| Short recovery times after opening the door                                                       |
| Standard feed-through on the rear panel                                                           |

### Features



Heating



Humidity



## Climate Chambers ICH

Model sizes: 108, 256 and 749 litres  
Model variant: TwinDISPLAY

|                                                             |
|-------------------------------------------------------------|
| Setting temperature range: -10 °C to +60 °C                 |
| Setting range humidity: 10 % rH to 80 % rH                  |
| Double doors (inside glass, outside stainless steel)        |
| Entry port (silicone), 40 mm clear diameter, moisture tight |
| Refrigerant R290 propane                                    |
| Models ICH L with illumination unit                         |
| Models ICH C with CO <sub>2</sub> control                   |

### Features



Heating



Cooling



Humidity



Light



## Environmental Test Chambers TESTA TT / TESTA CT

Model Size: 300 and 1000 litres  
Model variant: TT, CT

|                                                                                        |
|----------------------------------------------------------------------------------------|
| Setting temperature range: -52 °C / -75 °C up to +180 °C                               |
| Setting range humidity: 10 % rH to 98 % rH                                             |
| Temperature change rate: up to 5K/min or 10K/min                                       |
| Humidity sensor variants: EC, EP, ECP                                                  |
| Door with multi glazed window includes interior LED light                              |
| Standard refrigeration system: air-cooled (-52°C models) / water-cooled (-75°C models) |

### Features



Heating



Humidity



Cooling



# Heating and Drying Ovens

Drying, heating, ageing, testing, sterilising, burning-in, curing, storing.

In 1947 the first ever Memmert oven, a hot air steriliser, was built for the Red Cross. Ever since then, the Memmert range of heating and drying ovens has grown into a versatile line-up of extremely precise and reliable high quality temperature control appliances. Designed to make the lab staff's day-to-day work easier and more efficient, Memmert heating and drying ovens offer the utmost level of user friendliness. From material testing labs to electronic production, from fire brigades to opera houses, from pharmaceutical research to hospitals, these state-of-the-art ovens connect to the world.

## Universal Ovens U

Model sizes: 32 litres to 1060 litres

Model variants: SingleDISPLAY or TwinDISPLAY

Setting temperature range: +20 °C up to +300 °C

All-round heating on all 4 sides for excellent temperature homogeneity

Natural convection (N) or forced air circulation (F)

Temperature and air exchange ramps programmable

Pre-heated fresh air prevents temperature fluctuations

Working chamber and housing made of stainless steel

### Features



Heating



## Paraffin oven UNpa

Model sizes: 32, 53, 74, 108 and 161 litres

Model variant: TwinDISPLAY

Setting temperature range: +20 °C up to +80 °C

High thermal safety thanks to multiple overtemperature protection

With no supply and exhaust air, the interior is virtually gas-tight, preventing the build-up of oily residues in small cavities

All-round heating on all 4 sides for excellent temperature homogeneity

Working chamber and housing made of stainless steel

### Features



Heating





## Pass-through Ovens **UF TS**

Model sizes: 161, 256, 449 and 749 litres

Model variant: TwinDISPLAY

Setting temperature range: +20 °C up to +250 °C

All-round heating on all 4 sides for excellent temperature homogeneity

2-sided loading (door front and back)

Forced air circulation

Pre-heated fresh air prevents temperature fluctuations

Working chamber and housing made of stainless steel

### Features



Heating



## Vacuum Ovens **VO**

Model sizes: 29, 49 and 101 litres

Model variant: TwinDISPLAY

Setting temperature range: +20 °C up to +200 °C

Vacuum range: 5 to 1100 mbar

Available with speed controlled pump modul PMP

Separately adjustable and directly heated thermoshelves

Vacuum connection with small flange DN16

Gas inlet with fresh air supply

### Features



Heating



Vacuum



# Incubators

## Microbiological testing, incubating, cultivating.

Microbial and especially cell cultures are extremely sensitive to fluctuations in their surrounding microclimate. The slightest swing of environmental parameters can jeopardise the results of an experiment. Therefore each Memmert incubator was designed for long-term stability of temperature, humidity and carbon dioxide. Like a well-tuned engine the control systems in a Memmert incubator are perfectly balanced between swift and smooth operation. Each incubator precisely keeps the desired parameters in the entire working chamber within the smallest tolerance limits.

## CO<sub>2</sub> Incubators ICO

Model sizes: 56, 107, 156 and 241 litres

Setting temperature range: +20 °C up to +50 °C

Setting range humidity: 40 % rH to 98 % rH  
(active and passive control available)

Setting range CO<sub>2</sub>: 0 % to 20 %

Standard sterilisation programme: 60 minutes at 180 °C  
(without removing sensors)

Connectivity: Fully integrated into the myChamber digital ecosystem

6 side heating incl. heated inner glass door:  
short recovery times, avoiding condensation

### Features



Heating



Humidity



O<sub>2</sub>



CO<sub>2</sub>



## Peltier-cooled Incubators IPPeco

Model sizes: 32 litres to 2140 litres

Model variants: SingleDISPLAY or TwinDISPLAY

Setting temperature range: +0 °C up to +70 °C

Heating and cooling based on unique Advanced Peltier Technology

Extremely low energy consumption

Hardly any vibration and noise

Double doors (inside glass, outside stainless steel)

Optional with LED light

### Features



Heating



Cooling



Light





## Compressor-cooled Incubators ICP

Model sizes from 32 litres to 749 litres

Model variant: TwinDISPLAY

Setting temperature range: -12 °C up to +60 °C

Sophisticated ventilation technology ensures excellent air circulation

Double doors (inside glass, outside stainless steel)

Refrigerant R290 propane

Working chamber and housing made of stainless steel

### Features



Heating



Cooling



## Incubators I

Model sizes from 32 litres to 749 litres

Model variants: SingleDISPLAY or TwinDISPLAY

Setting temperature range: +20 °C up to +80 °C

All-round heating on all 4 sides for excellent temperature homogeneity

Natural convection (N) or forced air circulation (F)

Double doors (inside glass, outside stainless steel)

Pre-heated fresh air prevents temperature fluctuations

Working chamber and housing made of stainless steel

### Features



Heating



# Medical devices

## Heating, tempering, sterilising, cultivating, in-vitro fertilising.

The products on the following two pages are classified as medical device (class I, IIa and IIb). Memmert medical devices can be found in clinics, doctors' practices and pharmacies. Especially in emergency trauma rooms, the blanket warmers are used to preheat blankets and cloths. In the incubators you can be certain that bacteria cultures and cell cultures are incubated most gently and without any temperature overshoots. It is the hard-lined commitment to quality that has made Memmert a reliable partner in the medical sector and medical research industry. Of course Memmert is DIN EN ISO 13485 certified since many years.

## Universal Ovens Um

**Model sizes:** from 32 litres to 1060 litres

**Model variants:** SingleDISPLAY or TwinDISPLAY

Setting temperature range: +20 °C up to +300 °C

All-round heating on all 4 sides for excellent temperature homogeneity

Natural convection (N) or forced air circulation (F)

Medical device class I<sup>1</sup>

### Features



Heating



## Incubators Im

**Model sizes:** from 32 litres to 749 litres

**Model variants:** SingleDISPLAY or TwinDISPLAY

Setting temperature range: +20 °C up to +80 °C

All-round heating on all 4 sides for excellent temperature homogeneity

Natural convection (N) or forced air circulation (F)

Double doors (inside glass, outside stainless steel)

Pre-heated fresh air prevents temperature fluctuations

Medical device class I<sup>1</sup>

### Features



Heating



## Sterilisers S

Model sizes: from 32 litres to 749 litres

Model variants: SingleDISPLAY or TwinDISPLAY

Setting temperature range: +20 °C up to +250 °C

All-round heating on all 4 sides for excellent temperature homogeneity

Natural convection (N) or forced air circulation (F)

Safety: SetpointWAIT and User-ID function

Medical device class IIb<sup>2</sup>

### Features



Heating



## CO<sub>2</sub> Incubators ICOMed

Model sizes: 56, 107, 156 and 241 litres

Model variant: TwinDISPLAY

Setting temperature range: +18 °C up to +50 °C

Humidity range 40 to 97 % rH (active and passive control available)

Setting range CO<sub>2</sub>: 0 to 20 % CO<sub>2</sub>

Standard sterilisation programme: 60 minutes at 180 °C (without removing sensors)

6 side heating incl. heated inner glass door: short recovery times, avoiding condensation

Medical device class IIa<sup>2</sup>

### Features



Heating



Humidity



O<sub>2</sub>



CO<sub>2</sub>



## Blanket Warmer IFbw

Model sizes: 108, 256, 449 and 749 litres

Model variant: SingleDISPLAY

Setting temperature range: +20 °C up to +80 °C

All-round heating on all 4 sides for excellent temperature homogeneity

Forced air circulation (F)

Door-open-recognition

Limited heating capacity to prevent cotton textiles from overheating

Medical device class I<sup>1</sup>

### Features



Heating



1. Memmert places Class I medical devices on the market in accordance with MDR, (EU) 2017/745.

2. According to Regulation (EU) 2023/607 amending Regulations (EU) 2017/745 as regards the transitional provisions for certain medical devices, in accordance with MDR, Article 120.3c, Memmert is placing Class IIa and IIb medical devices on the market until 31 December 2028 in accordance with MDD 93/42/EEC.

# ULT Freezer

Long-term storage of biological materials, biobanking, cell line preservation, vaccine storage, forensics

When it comes to ultra-low temperature storage, one factor is paramount: the reliable protection of your samples over extended periods of time. The Memmert ULT freezer has been developed specifically for this purpose. It combines consistent, precise temperature control with integrated safety features and energy-optimised design for continuous operation.



## ULT Freezer

Model sizes: 244, 360, 506, 750, 966 litres

Model variants: Standard and ECO (inverter technology)

|                                                                          |
|--------------------------------------------------------------------------|
| Setting temperature range: -50 °C up to -86 °C                           |
| Dual cascade system (standard), or inverter-controlled compressors (eco) |
| High-power compressors and modern control technology                     |
| Sustainability: Natural refrigerants and energy-optimised components     |
| Operation: 7" touchscreen with intuitive interface                       |
| Optional CO <sub>2</sub> or LN <sub>2</sub> emergency cooling system     |
| Connectivity: Compatible with the myChamber digital ecosystem            |

### Features



Cooling



# Waterbaths

Memmert's evergreens: uniquely precise and reliable.

Ever since Memmert started its waterbath production in the 1960's, the continuous development of modern control technology as well as various safety features have made waterbaths pillars of the Memmert product range. Due to their unparalleled precision, they are perfectly suited for demanding applications in quality management and science.



## Waterbaths WTB

Model sizes: 7, 10, 17, 23, 37 and 51 litres

|                                                                                                      |
|------------------------------------------------------------------------------------------------------|
| Setting temperature range: 10 °C up to 100 °C                                                        |
| Calibratable for highly precise temperature control                                                  |
| Flexible and expandable with customised accessories                                                  |
| Compact design for maximising laboratory workspace                                                   |
| High-quality, rust-resistant and easy-to-clean stainless steel for the interior and exterior housing |

### Features



Heating





# You set the rules. We make them last.

The new Memmert ULT freezer – meet our new generation of high-precision climate and temperature control appliances, where thoughtful innovation meets timeless quality.

Covering a temperature range from  $-50$  to  $-86$  °C, this device is designed to protect valuable samples over long storage periods with reliable and stable performance.

Discover the ULT freezer at [memmert.com/ult](https://memmert.com/ult)



# myChamber

## Memmert's Digital Ecosystem for Connected Laboratories and Industrial Applications

myChamber's digital solutions connect devices, data and users within a single intelligent ecosystem — with remote monitoring, centralised device management and seamless workflow integration for full transparency and operational control.



## Designed to Connect. Built to Perform.

Modern working environments require modern technologies to simplify daily tasks and allow you to focus on what truly matters: your research or industrial applications. myChamber connects physical devices with digital solutions to make processes more efficient, more secure and easier to manage. The system grows flexibly in line with your requirements — from a single unit to fully networked infrastructure.

### The myChamber ecosystem consists of four clearly structured solutions:

- myChamber App: Remote monitoring of ongoing processes via smartphone
- myChamber Control: Device management and programming software
- myChamber LIMS: Audit-compliant integration into LIMS systems
- myChamber Link: Remote access to devices

Best of all, myChamber is compatible with both the current range of devices and Memmert's next-generation platform. No parallel software solutions, no isolated systems – just one unified, future-proof digital environment that seamlessly integrates both existing and new equipment.

## myChamber App

With the myChamber Monitoring App for smartphones, you can securely monitor your Memmert devices wherever you are. In the office, at home, or on the move – you have full access to ongoing processes, events and device history.

### Key performance features:

- Monitoring of real-time data from all devices – anytime, anywhere
- Intelligent alarm and warning messages via app or email
- Individual user rights with role and device group control
- Modern and intuitive user interface
- GDPR-compliant data storage on European servers
- Quick installation, compatible with current and older devices

## myChamber Control

myChamber Control is the central platform for the monitoring and management of your Memmert devices. All locations, appliances and processes are consolidated in one intuitive dashboard — delivering maximum transparency, real-time insights and full control.

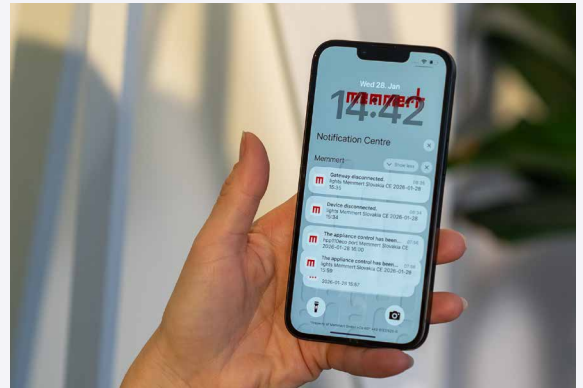
### Key performance features:

- Central dashboard for all locations and devices
- User and access management including Active Directory
- Real-time monitoring with live data from all devices
- Modern user interface
- Intuitive program creation
- Smart notifications in case of deviations
- Optional FDA compliance with electronic signatures and audit trail



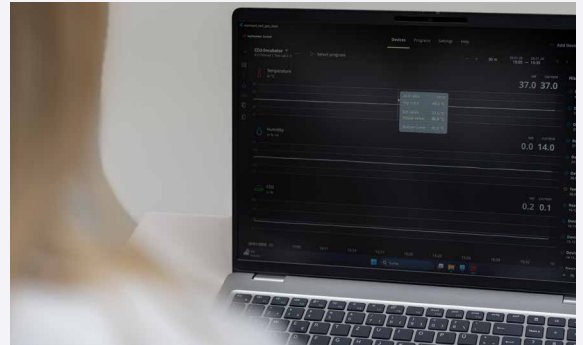
## myChamber Link

myChamber Link is Memmert's digital interface for seamless integration of your devices into IT, automation and software environments. Via a standard REST API, it enables secure data exchange and — depending on the configuration — remote monitoring and control. This transforms Memmert devices into fully integrated components of connected laboratory and industrial processes.



### Key performance features:

- Standard REST API for simple system integration
- Secure data exchange with encrypted communication
- Off-site monitoring and optional remote control
- Seamless integration into IT and automation environments
- Scalable for connected laboratory and industrial processes



## myChamber LIMS

myChamber LIMS seamlessly connects your Memmert devices to your laboratory information management system. Relevant process data is automatically captured and exported in a standard CSV format — no manual steps or customer-specific programming required.

This creates continuous, audit-ready documentation with high data integrity. The result: more efficient workflows, greater transparency and reliable support for quality and compliance requirements.

### Key performance features:

- Automatic data transfer to your LIMS
- Standard CSV format without custom configuration
- Continuous or program-based data capture
- Scalable from a single device to entire infrastructure
- Audit-ready process transparency and high data integrity



# Individual design meets strategic partnership

The range of services of m360 includes both small modifications and complex high-tech innovations.

Since the 1980s, m360 has been developing and implementing customer-specific, premium solutions in the field of temperature and climate control technology based on Memmert series products. At Memmert's central production site in Schwabach, Middle Franconia (southern Germany), the m360 team of experts design and produce tailor-made solutions in close cooperation with customers and business partners in order to create the perfect atmosphere for every application.

In doing so, m360 focuses on the creative and innovative development of the established Memmert technology according to the individual wishes of the customers. This can be a simple modification of a series product from Memmert or an extensive project in the construction of special machines and systems.

## What we can do for you

Our brand is aimed at international customers who are looking for solutions to special challenges in the field of temperature and climate control technology. We offer an extremely high customer-first focus to create products that do not exist in the market. We collaborate closely with the customer to understand and meet the specific challenges and requirements down to the very last detail. At the same time, our experts work intensively on innovative ideas which they identify as highly topical, e.g., automatic solutions for the laboratory. With our experienced insight into the market, our team can precisely estimate trends and special solutions that will be in demand in the future.

## The UF600plus in detail



Ergonomic telescopic rails and special trays make it easier to load the device.



The reinforced handle enables the particularly tall door to be opened easily.

## Modifications

With m360 modifications and special accessories, you can unleash the full potential of your Memmert product. In our m360 list of services, you will find a selection of frequently requested extensions of a Memmert basic device. This includes additions such as entry ports and traffic light circuits, as well as individual programming of the AtmoCONTROL software.

### Mechanik

- Customised interior fittings
- Individual entry ports in all sizes and shapes
- Telescopic slide pull-outs for ergonomic loading

### Zubehör

- Tailor-made subframe and stacking options
- Modified grids and shelves
- Individual air filters

### Elektronik

- Extended parameter monitoring e.g. by means of additional measuring sensors
- Optical and acoustic process monitoring e.g. by means of a traffic light system

### Software

- Additional interfaces for data evaluation
- Individual temperature, humidity and CO2 parameters

## Select Series

Our m360 Select Series comprise of highly developed devices that are based on frequently expressed customer requests and have proven successful in practice. Customers value these high-quality custom-made products for their outstanding quality and reliability. The portfolio includes both frequently requested special sizes and appliances for highly specific requirements, such as meeting a standard for drying food residues on crockery. Each appliance in the m360 Select Series is the result of meticulous development work by m360 experts and is based on customer feedback, achieving perfect balance between innovation and practicality.

## Innovations

With m360 Innovations, we offer you complete, customised solutions that are precisely tailored to your individual needs. Our team of experts is at your side from the initial technical consultation to the final implementation. Based on proven Memmert technology, we develop and build appliances that are specifically designed for your application. No matter how complex your requirements are, we deliver innovative solutions that are tailored to your specific needs and harness the full power of our technology.

**m360**  
**SOLUTIONS FOR YOU**





# We do steady, so you can do revolutionary.

The new Memmert ICO CO<sub>2</sub> incubator – meet our new generation of high-precision climate and temperature control appliances, where thoughtful innovation meets timeless quality.

A condensation-free environment at 95 % RH / 37 °C, precise CO<sub>2</sub> / O<sub>2</sub> control and remote-monitoring connectivity ensure stable and reproducible cell cultivation in everyday laboratory work.

Explore the ICO at [memmert.com/ico](https://memmert.com/ico)



# 10

## good reasons for a Memmert

- 01 Leader in technology:** Experienced and continuously innovative for more than 9 decades.
- 02 myChamber digital solutions:** remote monitoring, central device management, LIMS integration, programming, data management
- 03 Performance:** Unparalleled precision and temperature stability, brilliant all-round surface heating.
- 04 Advanced Peltier Technology:** Pioneer of energy-efficient, environmentally friendly products with Peltier technology.
- 05 Convenience:** Interfaces for connecting and programming, easy opening/closing of the door and transport.
- 06 Safety:** of users and chamber loads. Electronic temp. monitoring system, overtemp. protection, alarm notifications and MobileALERT.
- 07 ControlCOCKPIT:** Touch, turn & go! Easy and intuitive operation. Clear view of all parameters
- 08 Stainless steel:** Beautiful and functional. Particularly corrosionresistant, hygienic, robust, can be recycled without any problems.
- 09 Service:** Technical support – whenever, wherever. Spares, maintenance, repair, commissioning, IQ/OQ/PQ qualification, customer training.
- 10 Customised solutions:** Tailor-made solutions and customised appliances for complex applications.

Memmert GmbH + Co. KG  
P.O. Box 1720 | 91107 Schwabach, Germany  
Tel. +49 9122 925-0 | Fax +49 9122 14585  
E-Mail: [sales@memmert.com](mailto:sales@memmert.com)  
[www.memmert.com](http://www.memmert.com)

 Memmert  
 [memmert.family](https://www.facebook.com/memmert.family)  
 [memmert.family](https://www.instagram.com/memmert.family)