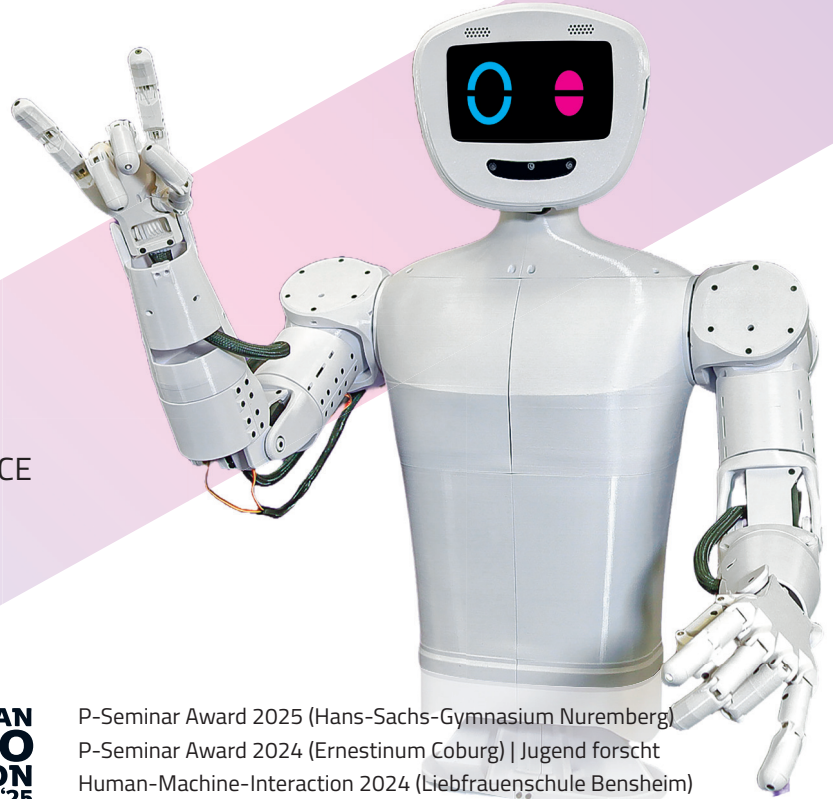




# CREATE YOUR OWN HUMANOID ROBOT.

3D-PRINTABLE • SMART • OPEN SOURCE



P-Seminar Award 2025 (Hans-Sachs-Gymnasium Nuremberg)  
P-Seminar Award 2024 (Ernestinum Coburg) | Jugend forscht  
Human-Machine-Interaction 2024 (Liebfrauenschule Bensheim)  
Digital Innovation Award 2023 | Civic Innovation Award 2023

[www.pib.rocks](http://www.pib.rocks)

# This is pib

## Idea and Concept

pib stands for **printable intelligent bot** and is a **humanoid robot from the 3D printer**, which anyone can **build themselves**.

The **open source approach** enables a genuine **democratization** of future technologies:  
Everyone involved is part of the **community** and can actively contribute to the further development of the robot.  
We are convinced that **forward-looking innovations** like this should be developed **transparently and collaboratively**.

From **makers** to **renowned institutions**, pib is **constantly being developed and researched**, with a strong **partner network** supporting the project and helping to drive the vision forward.



**MAKERS**

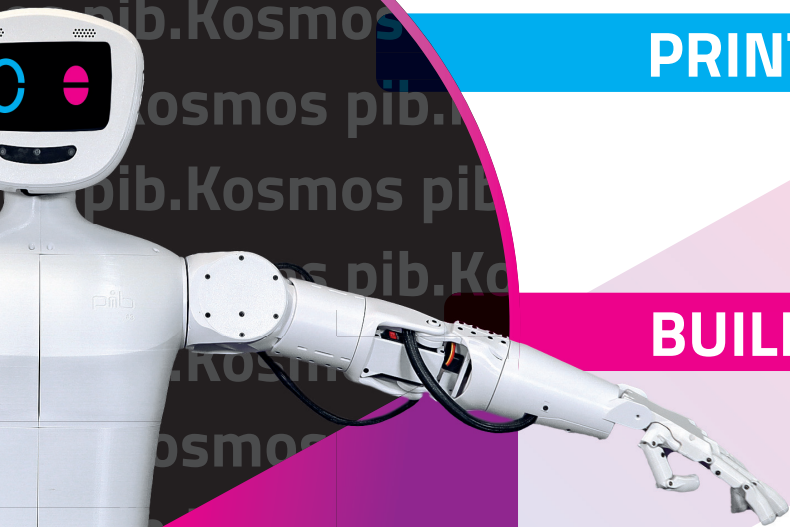
**PROFESSIONALS**

**COMMUNITY**

**EDUCATION**

**PARTNERS**





## PRINT

# How pib works

## Process

The **print data is open** and can therefore be **customized**, but is also available ready-to-print.



## BUILD

With the printed parts, the hardware from the pib.Box, the **assembly instructions** and just a few tools, you can **get started right away**.



## DEVELOP

The development ranges - depending on the desired depth - from the first steps with **Blockly** to programming in **Python** and working with **ROS2**.



# This is pib.Education

## Idea and Concept

pib can be set up in a **wide variety of learning environments** - from **schools** and universities to **media centers** and **maker spaces**.

It awakens lasting enthusiasm for future technologies and promotes **self-effective, interdisciplinary learning**: from **3D printing, AI** and **computer science** to **robotics, physics, design, ethics** and project management, learners gain practical experience and grow with their own projects.



*As a participant in the pib elective, I gained incredible experience.*

**Jakob**

*Assembling and programming the robot was fascinating,*

**Pupil of 9d**

*as we were able to bring it to life bit by bit. It was a unique experience to marvel at a working robot at the end."*



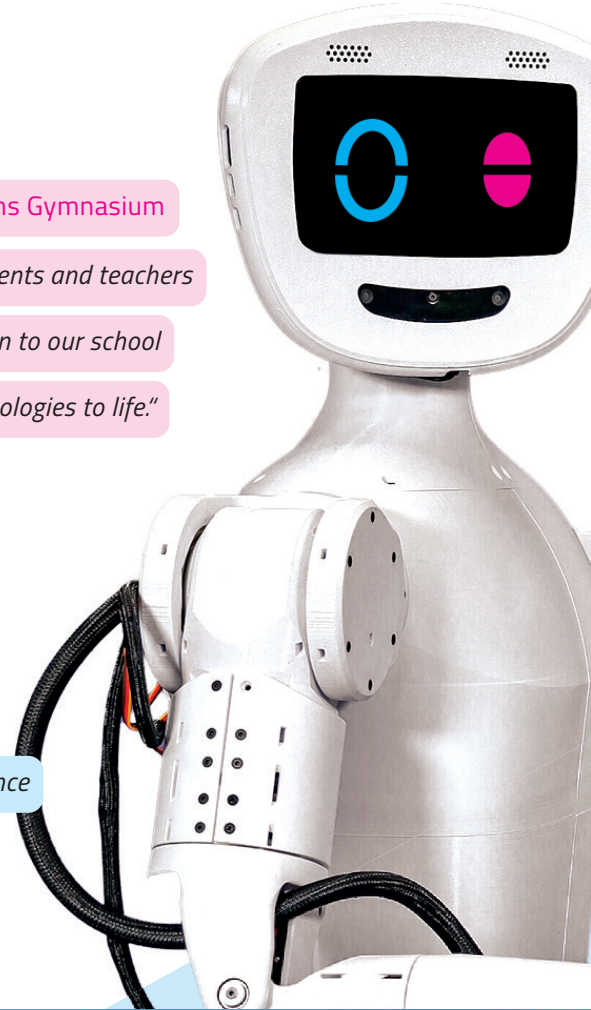
**Carsten Böckl**

**Principal Hans-Sachs Gymnasium**

*pib inspires our students and teachers*

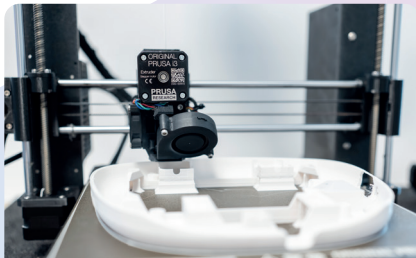
*alike. A great addition to our school*

*to bring future technologies to life."*



## Basic equipment

- 3D printer + filament
- Printing data (freely available)
- Building instructions (freely available)
- pib.Edubox (incl. pib.Academy)
- Tools
- Curiosity



## Scope

- Elective courses
- Subject lessons
- P-/W-seminars
- Project day or week
- Holiday course
- Workshops, hackathons
- Open Labs



## Examples of use

- Moving pib's joints
- Chat and voice interaction via LLM interface
- Programming with Blockly or directly in Python
- Gesture imitation
- Implementation of own use cases (e.g. playing tic-tac-toe, pick-and-place, pib as tutor)
- Further development of the hardware

pib is easy to implement even without much prior knowledge. The pib.Team and the pib.Academy provide support.

# The pib.Boxes

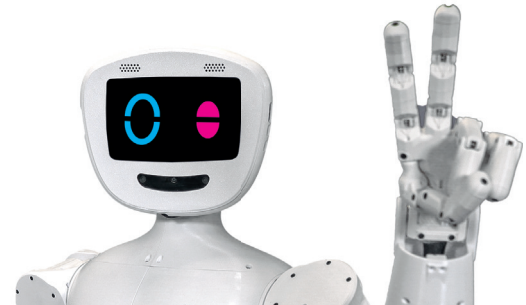
All non-printable parts and more

## pib.Makerbox



shop.pib.rocks

 3.150 € incl. VAT



## The box for hobbyists & interested parties

The pib.makerbox contains **all the screws, ball bearings, motors, electrical parts, cables, power supply unit, camera and other elements** you need to assemble the pib.Robot.

A **Raspberry Pi 5** - the "brain" of your pib - is also included.



## pib.Edubox



### The box for the educational sector

The pib.Edubox **extends the pib.Makerbox**:

- + Access to the AI platform **TRYB** incl. AI skills and voice assistants 1 year from activation ([tryb.ai](https://tryb.ai))
- + Access to exclusive teaching materials and background knowledge about pib in the **pib.Academy** ([academy.pib.rocks](https://academy.pib.rocks))
- + Weekly **support consultation** in the group via Discord

[shop.pib.rocks](https://shop.pib.rocks)



4.150 €

incl. VAT

[www.pib.rocks](https://www.pib.rocks)



# Get to Know pib and the Team

## Contact and Community

**E-MAIL**

team@pib.rocks

**WEB**

www.pib.rocks  
shop.pib.rocks

**OFFICE**

isento GmbH , Ostendstraße 242,  
90482 Nuremberg | 0911 21 77 38 70

**COMMUNITY**

Discord-Channel

