



1+2 BioPoLis in Stuttgart was completed in 2009. It enables natural scientists and engineers to work in parallel, guaranteeing savings in cost and time.

## BIOPRODUCTION LABORATORY IN STUTT GART: BioPoLis

Do you need production and process technology solutions to develop and manufacture biotechnological products?

In order to meet the market's demands regarding quality and throughput, new technologies often have to be developed and implemented or existing technologies optimized.

In this respect, production technology and especially automation technology open up new, efficient processing methods and the chance to manufacture products in variable quantities cost-effectively.

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### More effective and more efficient laboratory work

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In order to push and accelerate the development and the application of production and automation technologies in biotechnological processes, a unique infrastructure called BioPoLis has been created at the Fraunhofer IPA.

The infrastructure enables engineers and natural scientists to work in parallel in one laboratory. To achieve this, the necessary infrastructure for both disciplines has been combined together with the associated requirements.

The infrastructure is operated by an interdisciplinary team that develops »simultaneous engineering« solutions together with you as a user. The individual development work ranges from increasing throughput for HTS (High Throughput Screening) right up to manufacturing products which could previously only be produced on a laboratory scale as well as realizing the corresponding downstream processing.

Close cooperation and early functional testing minimize the risk of development errors.

### Fraunhofer Institute for Manufacturing Engineering and Automation IPA

Nobelstraße 12  
70569 Stuttgart  
Germany

Contact  
Dr. rer. nat. Andrea Traube  
Phone +49 711 970-1241  
Fax +49 711 970-1005  
andrea.traube@ipa.fraunhofer.de

[www.ipa.fraunhofer.de](http://www.ipa.fraunhofer.de)



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### BioPoLiS – a laboratory for the future

Many automation solutions for process operations in biotechnology are not yet available today or have not been efficiently designed. Technological developments in the BioPoLiS prospectively will ensure the rapid implementation of production and process technologies in the laboratory and industry.

You too, can benefit from the numerous advantages!

### Multi-talented BioPoLiS – your advantages at a glance

- Parallel infrastructure for engineers and scientists
- Simultaneous engineering: development side by side with users
- Significant time and material savings
- Minimized development risk
- Fast implementation of the production and process technologies you need

### Let us convince you!

Regardless of whether you would like to see first-hand what advantages BioPoLiS has for your laboratory or if you have further questions, we look forward to hearing from you.

### Visit our home page

More details and current information can be found under:

[www.bioproduktion.com](http://www.bioproduktion.com)

**3** Pipettes, as well as calipers and soldering irons, are standard equipment at BioPoLiS.

**4** The latest technologies are implemented to develop automation solutions at BioPoLiS.

