

# tectofix3000



Roofs



Ceilings



Walls



The all-purpose system for roofs, walls and ceilings with a unique level of prefabrication irrespective of the weather

**Prefabrication with tectofix 3000: faster, more cost-effective and, above all, totally made-to-measure!**

# Be prepared for the future with tectofix 3000 With time-saving, total and complete prefabrication



**tectofix 3000**  
Efficient. Irrespective of  
the weather.  
Maintenance-free.

Image source: Harms Holzbau, Hamburg

## Work independently of the weather and make your company more competitive

Time pressure and cost pressure don't stop for timber construction. Any company is hoping to win new customers and secure its future. It has to invest timely in successful production technology that offers a new concept.

This means for skilled businessmen:  
The high level of prefabrication in the workshop reduces work on site.

**› Prefabrication with tectofix 3000:  
Faster, more cost-effective – and,  
above all, made-to-measure**

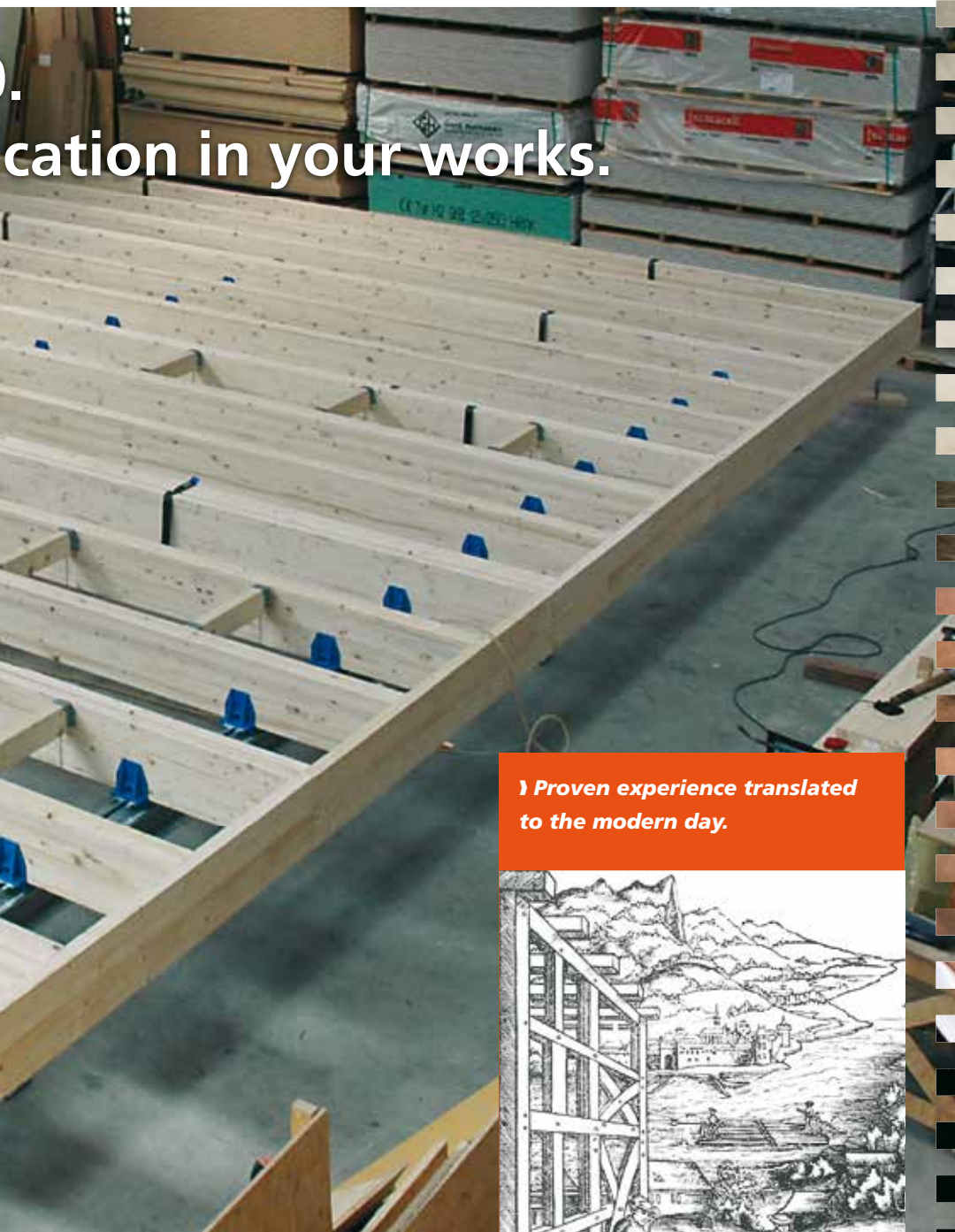
The cost benefits of timber construction increase with extensive prefabrication in the shop! Production times are drastically shortened irrespective of the weather and construction site!

Other systems merely manufacture individual elements based on separate plans.

With tectofix 3000, your entire timber structure is designed and pre-produced in your works based on the overall design. The result: No individual element plans, 100% adherence to the key dimensions, compensation for all intermediate dimensional tolerances, complete, fully made-to-measure joint solutions and seamless interfaces with all fixings. Only then is the entire timber structure dismantled into elements that can be transported.



ation in your works.



**Proven experience translated to the modern day.**



A wealth of experience going back centuries together with state of the art technology are incorporated in tectofix 3000. Layout on site before erection used to be necessary to achieve the requisite precision!

petitive.

Quickly assemble your timber structure on site with very few tools. No need to compensate for tolerances or adapt joints! No time-consuming "fitting" needed.

**Assembly times on site are unbeatably short**

Your site is immediately watertight. This results in time-savings, safety and the ultimate in quality. Every building is rain-tight and complete after only one day's assembly on site!



tectofix3000

Tectofix is a robust system for everyday timber construction developed by woodworkers for woodworkers. Thanks to the perfectly thought-out overall concept, immediately understandable by every carpenter, we have also achieved a breakthrough with the prefabrication of complicated roof shapes.

**Erich Longin**  
Engineer

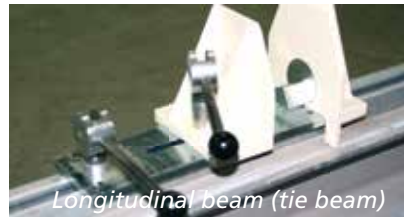
**Willibald Longin**  
Master Carpenter

Holzbau Willibald Longin GmbH  
A-3843 Dobersberg, Austria

# tectofix 3000 – the all-purpose system for roofs and for perfect, made-to-measure prefabrication

## What can tectofix 3000 be used for?

For all complex structural carcass components that you may need – ceilings, walls and roof elements, including hip roofs, dormer windows or post-and-beam constructions, as well as other complex structural elements for the packaging industry and noise-insulating walls. The available size of the structural elements is only dependent on the size of the selected system.



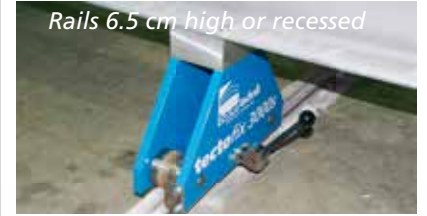
Longitudinal beam (tie beam)

Clamping shoe with bird's mouth fixture and quick-release lever

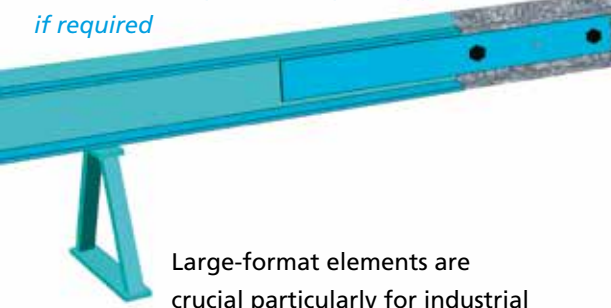
Longitudinal beam

Rail carriage

Rails 6.5 cm high or recessed



Temporary extension of the system  
Longitudinal beam joint with extension bracket and trapezium-shaped support if required



Large-format elements are crucial particularly for industrial and commercial projects.

## Who can work with tectofix 3000?

Any skilled carpenter after a short training.

## Why can you rely on absolutely made-to-measure and therefore fast assembly with tectofix 3000?

Quite simply, because the elements are designed within an overall context and dimensional control of all elements is

possible. Calculation errors are thus now a thing of the past. What is more, the entire tectofix 3000 system offers 100% made-to-measure construction and tightness of joints.

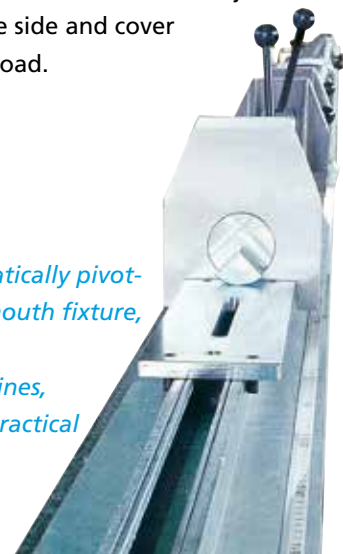
## How do you work with this system?

1. Set and fix the clamping shoes to spacing measurements

2. Set and fix the longitudinal beams into position, prepare all timbers for being jointed (joint sealing tapes, drive-in nuts, bolts etc.)
  3. Insert all timbers into clamping shoes, checking individual and overall dimensions
  4. Insert cross-timbers and edging timbers etc.
  5. Attach insulation, form work, film, cardboard, rails and battens and panels to the structural carcass components
  6. Separate joints and remove elements one by one
  7. If necessary, turn elements and rejoin
  8. Panel reverse side and cover
  9. Lift off and load.
- You're done!



The automatically pivoting bird's mouth fixture, suitable for all roof inclines, is a clever practical feature.





# s, walls and ceilings on.

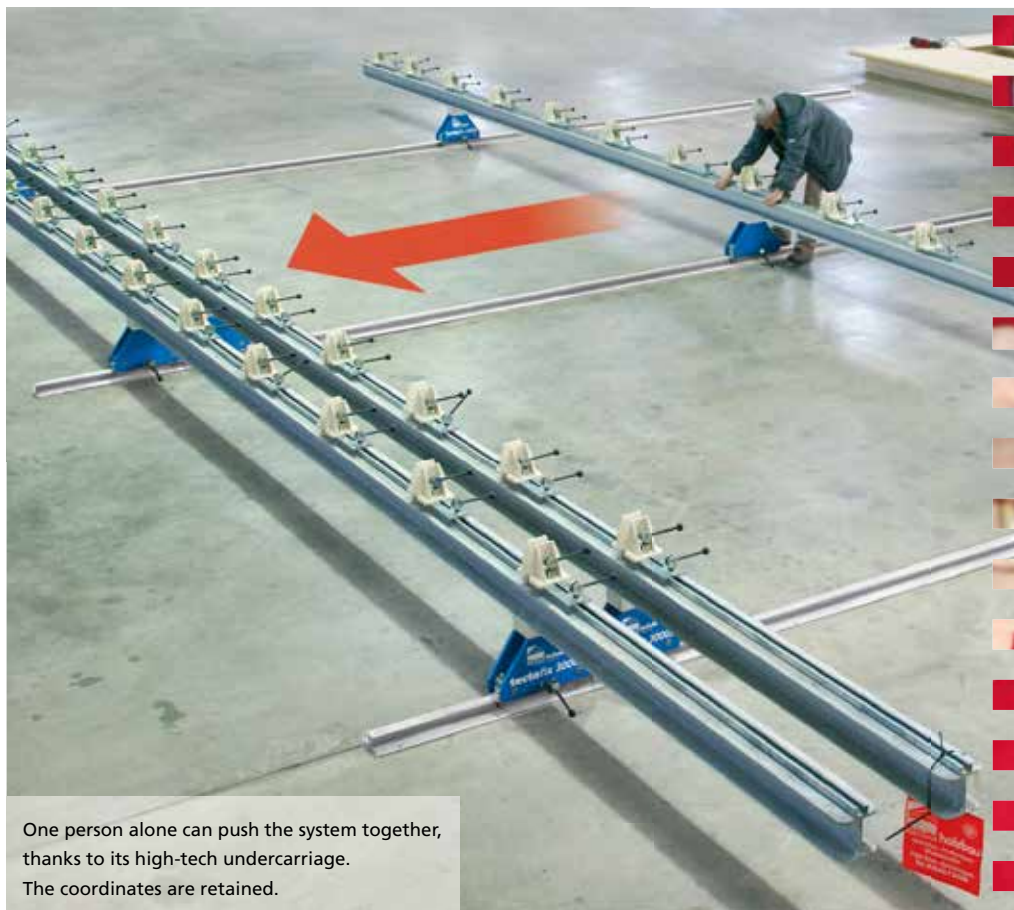
## The accessible alternative on rails.

Flexible use of space is now possible with the S version. The system can be 'parked' in the most compact space and then be used as storage for structural timbers with a load-bearing strength of around 6 tonnes/metre.

**tectofix 3000 s**



Approx. 0.4 metre 'parking space' per longitudinal beam. Choose your parking space as required.



One person alone can push the system together, thanks to its high-tech undercarriage. The coordinates are retained.

tectofix 3000s

We are continuing to develop! We would be happy to receive ideas and suggestions from your carpenters. A further excellent innovation is the fact that we can now simply push the large system to one side of the shop.

**Hannes Ziegler**

Development Department

Bauer Technology

74589 Satteldorf-Gröningen



# The ultimate in complex prefabrication, precision and format.



1.079 52/92 5824

It's possible with tectofix 3000,  
but with unique speed and quality...



delivered to site  
complete with joining film ...



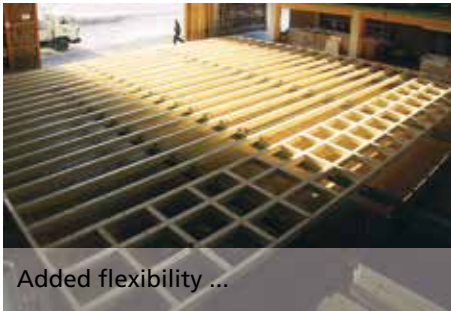
fitting joints  
and easy-to-assemble ...



made-to-measure down  
to the last detail ...



# Industrial and commercial construction



Added flexibility ...



with quality through and through ...



XXL with walls ...



and ceilings ...



even the roof lights can be fun.

***tectofix 3000 frees your business from turning table formats and opens up the way for commercial construction projects. An investment that quickly pays dividends – for you, your staff and your customers.***

Switching to made-to-measure prefabrication makes sense for large and small businesses alike, thanks to the modular construction of the system and its low initial costs. You can subsequently extend the basic version of the system as required, and add accessories for hip rafters and valley rafters or a clamping mechanism for walls.

#### ***The benefits for you as a businessman:***

- 】 More security in terms of planning and deadlines because of independence from the weather
- 】 Less workshop planning = more time for pricing and material optimisation
- 】 Prefabrication right up to the entire timber structure is possible = improved control of cost-effectiveness in the works
- 】 Quality inspections and acceptance in the plant
- 】 Element joints: air-tight, dew-free and yet easy to assemble
- 】 Significantly shorter time on site = less coordination, more production
- 】 Minimal investment with maximum flexibility = outstanding returns

#### ***The benefits for your staff***

- 】 Less transit time
- 】 Integration into the design of the entire project = greater motivation
- 】 Convenient working: dry, ergonomically designed and, above all, a safe workspace in the workshop = less sick leave

#### ***The benefits for your customers***

- 】 Fast completion of their projects
- 】 Precise scheduling, as prefabrication is independent of the weather
- 】 Customers can visualise their buildings much earlier
- 】 Visually perfect joints, even taking into account the wood grain

***tectofix 3000 – developed by professionals for professionals***

**The superior benefits and precision of the system become evident particularly on commercial projects with large structural elements! Once tried, you'll never again be without tectofix 3000. My carpenters use the system we have developed every day. We therefore know from our own experience what really matters in day to day working practice."**

### **Walter Bauer**

Dipl. Ing. (FH)  
Master Carpenter  
Managing Director

Bauer Technology  
74589 Satteldorf-Gröningen

tectofix3000



**Stay on the ground!**  
**Solve challenging problems on the ground**  
**more effectively than up in the air**  
**on site with tectofix 3000.**



Rafter and purlin construction ...



complete with dormer windows ...



passive house roof  
with radiation heating ...



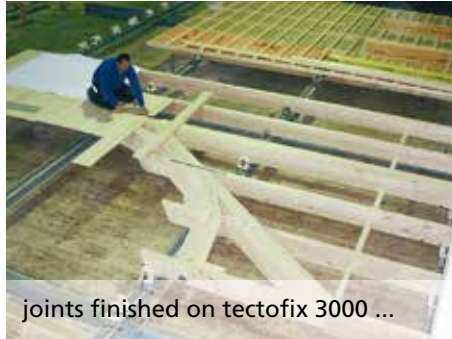
integrated services ...



challenging soffit detailing ...



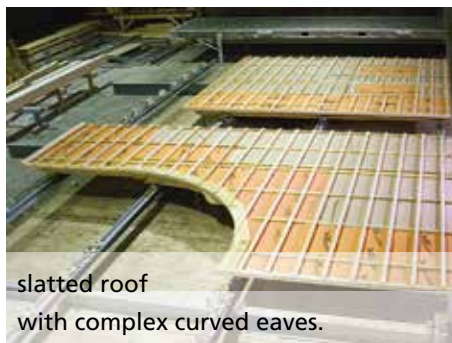
Challenging design of curved eaves ...



joints finished on tectofix 3000 ...



boarded ...



slatted roof  
with complex curved eaves.

tectofix 3000 is much more than a prefabrication system – it is a total concept. Its flexibility and universality provides the versatility needed with modern timber construction!

**Improve your level of prefabrication with tectofix 3000!**

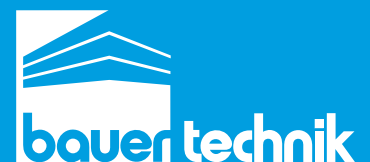
- 】 Improved productivity, minimal cutting wastage by means of complete layout
- 】 Over 70% savings in work scheduling
- 】 Absolutely made-to-measure joints – faster and precise assembly on site
- 】 Your carpenters will understand tectofix 3000 immediately thanks to its simple user-friendly approach

***Our carpenters speak your language and will be happy to offer advice! Give us a call or pay us a visit in person.***

***What are you waiting for?***

Bauer Technology  
 A division of Bauer Holzbau GmbH  
 Alte Höhe 1  
 74589 Satteldorf-Gröningen  
 Germany  
 Tel.: +49 (0) 79 55 / 3 85-0  
 Fax: +49 (0) 79 55 / 3 85-45 00

Website: [www.bauer-holzbau.de](http://www.bauer-holzbau.de)  
 E-mail: [info@bauer-holzbau.de](mailto:info@bauer-holzbau.de)



**tectofix 3000**