

# x-bolt

## HIGHEST FLEXIBILITY WITH LOW INVESTMENT

### Product

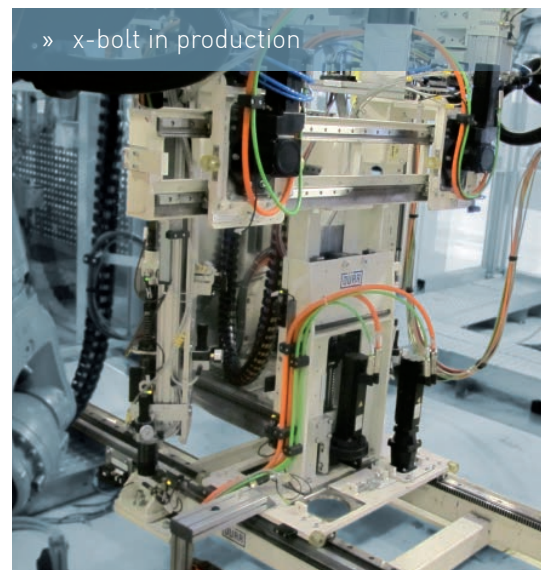
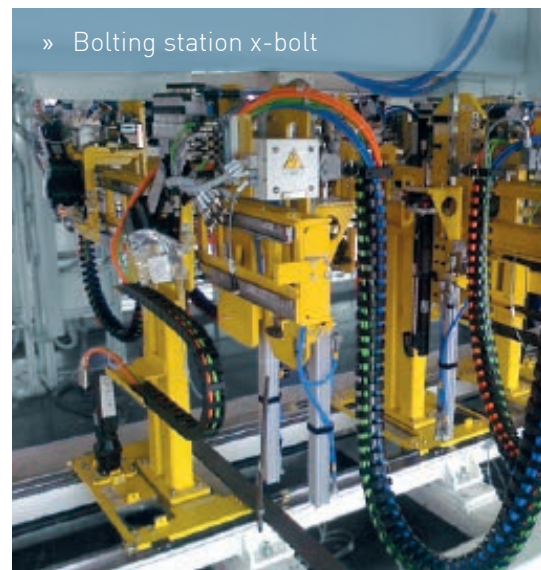
After 20 years of experience in the bolting of driving and chassis components (marriage) and more than 85 realized marriage systems Dürr has developed the universal bolting station "x-bolt".

This station can be used as a single axle or multi axle system. Our concept offers the highest flexibility by modular construction and scalability.

The "x-bolt" is a fully automatic, modular and scalable NC-driven bolting station. A large number of supplementary components ensure maximum flexibility. It can be used for bolting with spindles as well as for direct bolting (e.g. x-gun system).

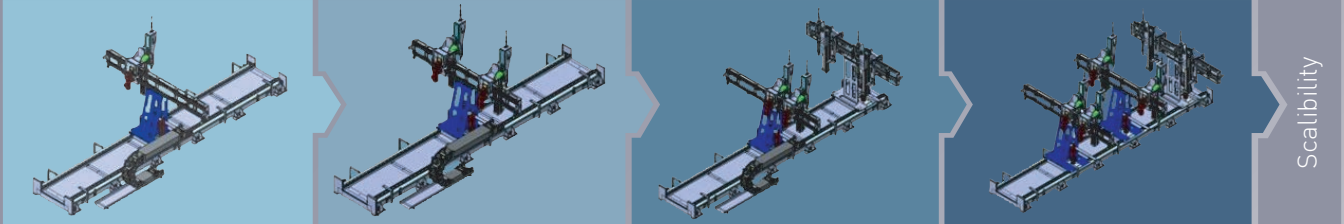
### Features

- » **Small** - compact dimensions and a central location under the pallet lead to a low space requirement.
- » **Modular** - consists of individual modules that are expandable and variable; according to requirements the number and design of the XYZ modules can be selected, because this optimum accessibility to the bolting points is achieved.
- » **Easy to maintain** - very good accessibility, high durability, reduced service and repair times.
- » **Fast** - high speeds by proven guiding and driving components, because of that achievement of short cycle times.
- » **Accurate** - guiding systems and design provide for high repeatable accuracy.
- » **Scalable** - different configurations can be realized.



# x-bolt

The flexible, scalable bolting system



**Camera position measuring unit**

**x-slide**

**Mech. position measuring unit**

**z-lifting column**

**Various bolt supply systems**

**y-swivelling unit**

**x- swivelling unit**

**nutrunner floating plate**

**Various double nutrunner units**

**Div. NOK-Strategies and calibration systems**

Technical data x-bolt	
Length	variable, Standard 4 m, 5 m, 6 m
Width	Base frame: 900 mm, Y-driving bed up to 2,5 m, Standard 1,5 m, 2 m, 2,2 m
Repeatable accuracy	up to +/- 0,5 mm
Transfer speed	X: up to 0,85 m/s Y: up to 0,75 m/s
Lifting speed	max. 250 mm/s
Acceleration	max. 1,2 m/s <sup>2</sup>
Max. torque	350 Nm
Availability	minimum 98%

\* The photos or figures of the assembly and testing systems in the flyer are not showing the complete installation. The requirements of the machinery directive (2006/42/EG) will only be met by other supplementary scope of supply or - on delivery of uncompleted machines - those requirements must be fulfilled by the manufacturer of the (complete) machine. Flyer x-bolt, Version G

