



Exciting the customer, from planning to the series product



Customer-specific drive solutions



Textile industry

- > Compact product solutions
- > High linearity



Printing industry

- > Compact product solutions
- > ATEX solutions
- > High linearity
- > Synchronized unit



Semi-conductor industry

- > Excellent dynamics & precision
- > Maximum repeatability



Laser industry

- > Excellent dynamics & positioning accuracy
- > High linearity
- > Maximum directional stability

Customer focus right from the start



Consulting & Planning

Integrated analysis (functionality, processes, environment, production)
Customized concept including CAD drawings



Development & Design

Individual manufacturing, electrical planning and software design
Prototype construction



Series production

Implemented manufacturing processes
Handling packaging and logistics



Customized system

Customer-specific drive system, tailored to your applications

The JAT offers customer-specific mechatronic drive systems for a wide variety of sectors, including the semi-conductor, packaging, printing, textile and laser industries. Whether you require linear axes, XY tables or complex multi-axis systems, we develop and manufacture products that perfectly fit into your existing plant.



1-axis-systems

- > Linear axis
- > Linear actuator
- > Belt axis
- > Linear motor axis

Example of application

- Reversing (coil adjusting)
- > Improved synchronism
 - > Maximum velocity 2 m/s
 - > Repeatability 2 μm



2-axis systems

- > XY system, combined with spindle, belt and linear motor axes
- > XY table
- > Gantry system
- > Boom system

Example of application

- Laser processing system
- > Resolution 0.1 μm
 - > Maximum velocity 0.5 m/s
 - > Repeatability 2 μm



Multi-axis systems

- > Gantry system with CFK carrier
- > Boom system
- > Linear, rotary and tilt axis combinations

Example of application

- Glueing, dispensing and cutting unit
- > 15 axes
 - > Maximum acceleration 12 m/s²
 - > Maximum velocity 2 m/s

Substantial added value

Sustainable solutions, ready-to-use, from one provider

With high competence and many years of experience in drive technology, we stand by your side as a flexible partner, from the early development stage, passing through prototype production until the finalized series manufacturing. Our claim is to always offer you the best possible system solution as well as create a cost and technology-optimized product.



Consulting & Planning

Integrated analysis

- > Functionality
- > Processes
- > Environment
- > Production

Performance characteristics

Customized concept

- > Individual design
- > CAD drawings
- > Offer



Development & Design

Harmonized specifications

- > Functions
- > Technology

Individual development

- > Construction
- > Electrical planning
- > Software & interfaces

Prototypes

- > Manufacturing
- > Commissioning



Production

Series production

Professional packaging

International shipping

Shipment monitoring

- > Permanent quality control
- > Constant optimization

Available technology



- > Technology modules
Mechanics, electrics and software kits
- > Technology competence
Maximum linearity 1 $\mu\text{m}/\text{m}$
Maximum velocity 5 m/s
Maximum acceleration 50 m/s²

Unified competence



- > Process quality
Lean Production
Supply Chain Management
- > Experience in integration
EMC, clean room, EP, X-ray
- > Experience in materials
High-tech materials, e.g. CFK

Fast realization



- > Process efficiency
In-house departments (construction, production, quality inspection)
- > Storage possibilities