

# YOUR PRODUCTION LINE FOR THE TURBOCHARGER OF THE FUTURE.



MOVING THE LIMITS.  
TOGETHER.  
CONSTANTLY.



IN THE NEXT

**5 TO 10 YEARS**

ATTRACTIVE GAINS (STILL) CAN BE  
ACHIEVED AT THE WORLD MARKET FOR

**TURBOCHARGERS**

**YOU HAVE THE BEST REQUIREMENTS FOR THAT.**

With a production line of Strama-MPS.

We have the experience. You have the advantages.

SWITCH OVER TO TURBO MODE –  
FOR CORE AND FINAL ASSEMBLY!

Your customers demand  
**quality**  
without compromise!

#### **HIGH PRODUCT QUALITY AND MINIMUM ERROR RATE**

The error rate is continuously measured during ongoing processes. Component quality is controlled in real time rather than once rejects have already been produced.

Minimal downtime for  
**your line.**

#### **INDIVIDUAL LINE PERFORMANCE AND MAXIMUM AVAILABILITY**

Our machines are designed for maximum performance and for cycle times which can be perfectly integrated into, and controlled within, your processes. No matter your strategy: you will be impressed by the high system availability of our machines.

**Protect**  
yourself against claims!

#### **BIG DATA PROVIDES TRACEABILITY THROUGHOUT YOUR PROCESS**

All components are scanned and traced either as individual parts or as batch before they are documented together with their relevant process parameters. All information such as the history of the components, snug torque, staff etc. will be passed on to the master system so that they can be traced continuously and throughout the entire process in case of a product recall.

You need to make sure  
change over between  
all your models is  
**turboquick!**

#### **MAXIMUM MANUFACTURING FLEXIBILITY BY QUICK CHANGE OVER**

We provide various kits for quick change over to allow production of a wide variety of turbochargers. To prevent change over errors, change parts are identified by the control.



Maximum output -  
**minimum space**  
requirements

#### **PERFECTLY TAILORED LINE LAYOUT FOR LEAN PRODUCTION**

We are your one-stop shop for concept development, design and layout of the entire process chain. Including catenation of all stations and optimization of the material flow. The results are convincing: highest possible output and flexibility, maximum availability and minimum space requirements.

**Global support**  
doesn't have to cost the earth!

#### **TOP SERVICE AND LOCAL SOURCING CONDITIONS - EXACTLY WHERE YOUR COMPANY IS LOCATED**

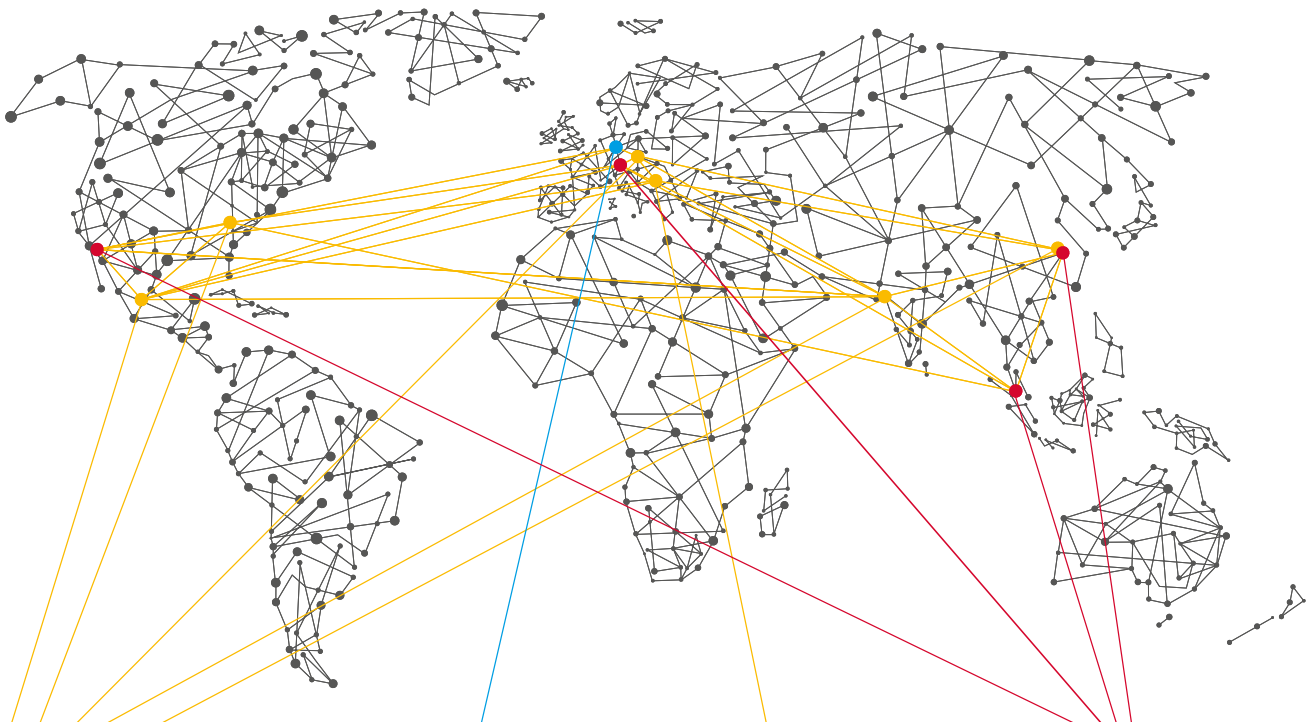
It doesn't matter if it's in Mexico, China, India or the USA: we are wherever our customers are. And this is exactly where we provide support, technology and engineering at minimum response times and at attractive conditions available due to local sourcing.

# POWERFUL SYNERGIES: “MEMBER OF STRAMA GROUP”

**Strama-MPS** develops special-purpose machinery, equipment and complete solutions for the production, assembly and testing of complex technical components and products. International technology groups appreciate our engineering expertise, the experience and the certainty: We lead your project to success.

**AuE Kassel** has acquired in recent years an excellent reputation with assembly lines for axles and chassis components in the passenger car and commercial vehicle sector. With its axle alignment systems AuE has long been the world market leader.

For more than 40 years, **F & K DELVOTEC** is the worldwide innovation leader for wire and laser bonders. Renowned companies and research institutes worldwide are convinced by the quality of the technology and engineering services.



GERMANY, Straubing  
CHINA, Taicang  
USA, Duncan  
MEXICO, Puebla  
INDIA, Nashik



GERMANY, Kassel



CROATIA, Cerna



GERMANY, Ottobrunn  
USA, Foothill Ranch  
CHINA, Taicang  
SINGAPORE

**Strama-MPS**  
**Maschinenbau GmbH & Co. KG**  
Ittlinger Straße 195  
94315 Straubing / Germany  
Phone +49 9421 739-0  
[www.strama-mps.de](http://www.strama-mps.de)

**Your contact**  
Christoph van der Beek  
Sales  
[christoph.vanderbeek@strama-mps.de](mailto:christoph.vanderbeek@strama-mps.de)

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