

NEW
2023/24

HIGHLIGHTS

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F-359187-EN-0923

Tooling Technology

Metal / Composites machining



EXCHANGEABLE UNITS

**BENZ** Angle Head with automatic exchange function of the front tools

In the production process quite often a wide range of tooling is used.

Utilizing right angle heads capable of automatic front tool exchange enables a wide range of process variations during production.

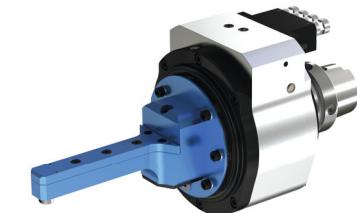
- + automatic set-up process
- + optimized magazine allocation
- + no investments for further angle heads

**BENZ** Angle Head with MQLThe innovative design principle of **BENZ** enables an optimal flow of the aerosol from the machine main spindle to the tool cutting edge.

- + very good machining quality
- + less tool wear
- + environmentally friendly machining

**BENZ** Angle Head WSX03**BENZ** goes small - The use of our compact size 03 angle heads on 3-axis machining centers opens up additional machining options for you and reduces the number of workpiece reclamps.

- + additional processing options with comparatively low investment costs
- + the low weight of around 2 kg enables automatic insertion and replacement even with small machining centers

**BENZ** Angle Head with c-axis functionThe **BENZ** angle head with automatic positioning in the c-axis simplifies the machining of complex components with bores in different angular positions.

- + reduced investment costs due to lower number of tools
- + optimisation of machining time per workpiece
- + good retrofittability to existing machine concepts

MODULAR QUICK CHANGE SYSTEMS

BENZ SOLIDFIX®

Cut-out adapter catalogue: BENZ Modular Quick Change Systems

BENZ CAPTO™

Saving of time



Cost reduction

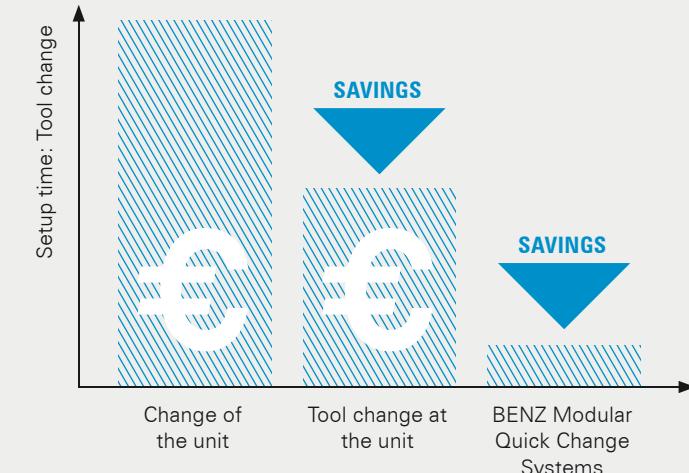


Easy handling

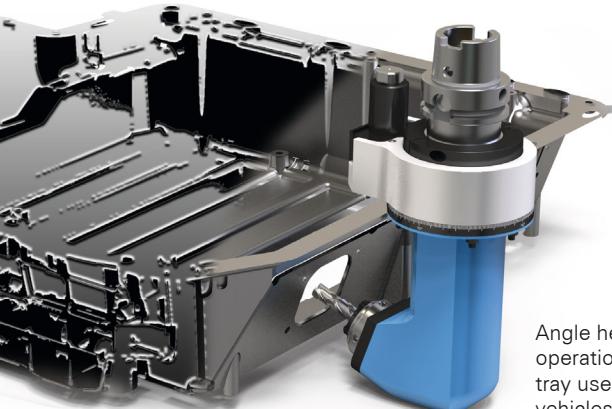


Operating safety

Reduce set-up time = save costs



TREND TOPICS: E-MOBILITY



Angle head for milling operations on a battery tray used in electric vehicles.

SERVICES: WORLDWIDE



No matter where you are in the world, we are close by.
From repair service to spare parts management all the way to on-site service - of course worldwide.

- + new BENZ service centers in India and China
- + global service call
- + repair service for units & motor spindles
- + preventive Maintenance
- + spare part service
- + rapid repair kit

BENZ i.tag
DIGITAL NAMEPLATE

With the digital nameplate **BENZ** i.tag all technical data and documents are always at hand and available. In addition, it allows you to contact our sales and service team via web, telephone and e-mail.

- + **easy** readout via smartphone
- + **environmentally friendly** - paperless access to all documents
- + **safety** through SSL-encrypted communication



full product information available at all times



TOOLING TECHNOLOGY

BROACHING UNIT

BENZ LinA 4.0Complete machining with one setup
- The integration of broaching units into the manufacturing process is an ideal example of how time-consuming reclamping and setup processes can be saved.New! The new generation of **BENZ** units is equipped with internal cooling as standard, which has a positive effect on the lifetime of the cutting plates and thus on the efficiency of the entire process!

- + for all common CNC lathes and machining centres
- + internal cooling as standard
- + available in two different sizes
GS version - total stroke of 32mm /
GSL version - total stroke of 53mm