

Characteristics Customer – Benefits

Characteristics

- Torque controlled drive
- Mechanical counter-balanced compensation
- Production program for special features
- Production of quality reports
- Repeatable production / data bank
- Integrated interfaces for controlling / RS232 & I/O
- CE + GS-sign checked by TÜV

Advantages

- Process controlled production
- Error recognition with good / bad selection
- Avoid scrap and tool breakage / tap protection
- Optimisation of process parameter based on measured production results
- Low axial power to tap-pitch (flanks) of threads
- Can be upgraded from stand-alone unit up integration with automatic transfer- and handling systems
- No further costs, i. e. lead screws

Benefits

Complete production security

Assured profitability

Production protocol secures further orders, customer satisfaction and quality products

High tool service life

secure investment:- can be developed for tomorrow's needs of automation- through interfaces RS232 / 4 x I/O

Reduction of costs

For flexible semi - automated and contract production

Can be mounted on a mobile table and moved to different machines / work areas or outwork

Request Applications

Flexible production

- Thread production for „inside & outside threads “ M0,5 – M14 (V2A-steel / INOX)
- Practice orientated special features & production programs
 - thread cutting and forming - thread inserts (Ensat/Helicoil)- screw setting
 - counter sink & secondary drilling (similar do reaming)
 - core hole quality for size and depth- check threads (gauge- & depth - control)
 - comparative laboratory features

Applications

- Special machines & handling solutions / Transfer- & semi-automatic
- Can be developed for tomorrow's needs
- Fast cycle time
- Quality documentation / protocol

Control and process security

- PCA, analysis and evaluation software for process control & quality analysis
 - quality analysis process protocol and control
 - production security based on process monitoring
 - real time monitoring of the manufacturing process to help determine the effects of operating parameters including lubrication and tool function
 - automatic storage to document the measurement statistics (Gauß)
 - development to determine the best tool geometry and coatings as well as for lubricant cooling ingredients and emulsions

Service and funding

- Laboratory analysis & custom design at microtap
- Delivery & training on request