

TDS_c Data Carrier

Tool Dialog Smart connectivity



Advantages:

- Small frame size
- Compact design
- No glue necessary

SPECIFICATION OF THE **TDS_c** DATA CHIP



Transmission in UHF-Range, ISO 18000-6

- Small frame size
- Compact design
- Low-cost chip with small storage area (EPC 16 byte)
- Identification with globally unique ID-Number (TID 12 Byte)
- Data management in primary database
- Max. permissible speed up to 30.000 rpm

Advantages of the small frame size

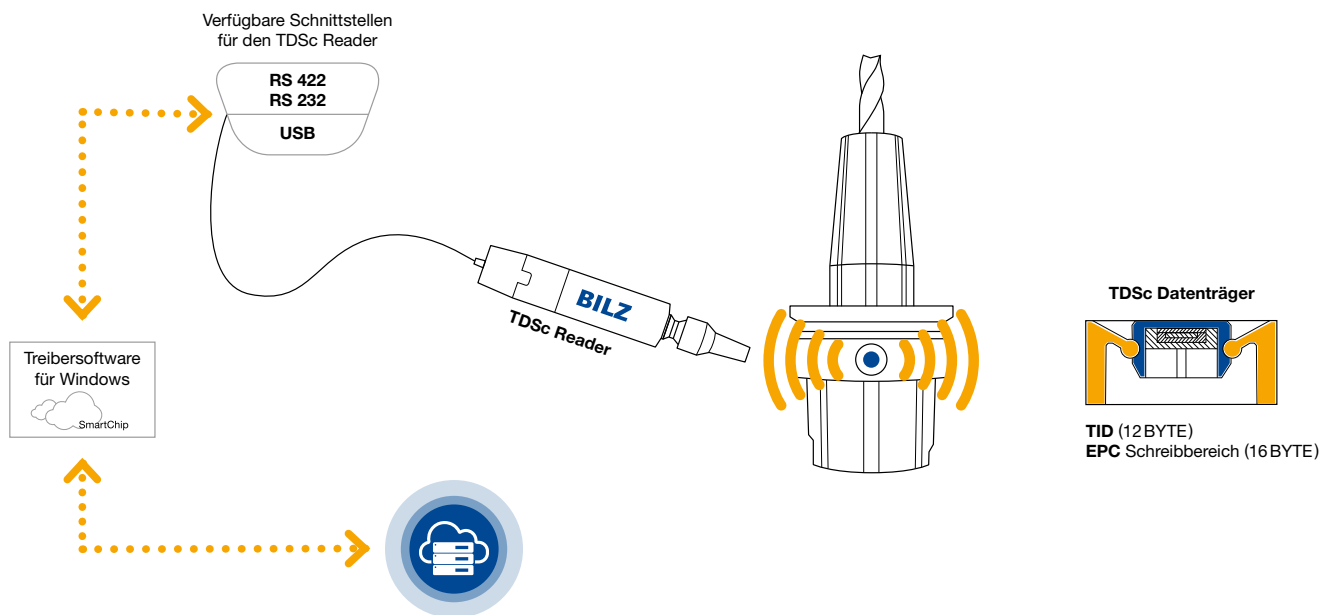
- New type of mounting: no glue necessary
- Chip is also applicable in small workpieces (for example: tools)
- Clipping onto chip bore within seconds, in accordance with DIN ISO 7388-3
- Patent pending



Chip in assembled state
with fixing ring

Database / Centralized Storage		Chip Memory / Decentralized Storage	
Definition of the data set		Definition of memory range	
Definition of machine specification commands		Definition of machine specification for memory access	
Only a "simple reader" per machine needed	+	Expensive reader/writer per machine	-
Extensions possible	+	Limited by storage size	-
Universally portable	+	Only individually applicable	-
Network required + DB-Transmission	-	No network required	+
Low cost per chip assembly	+	High cost per chip assembly	-
Central data storage	+	No central data storage	-

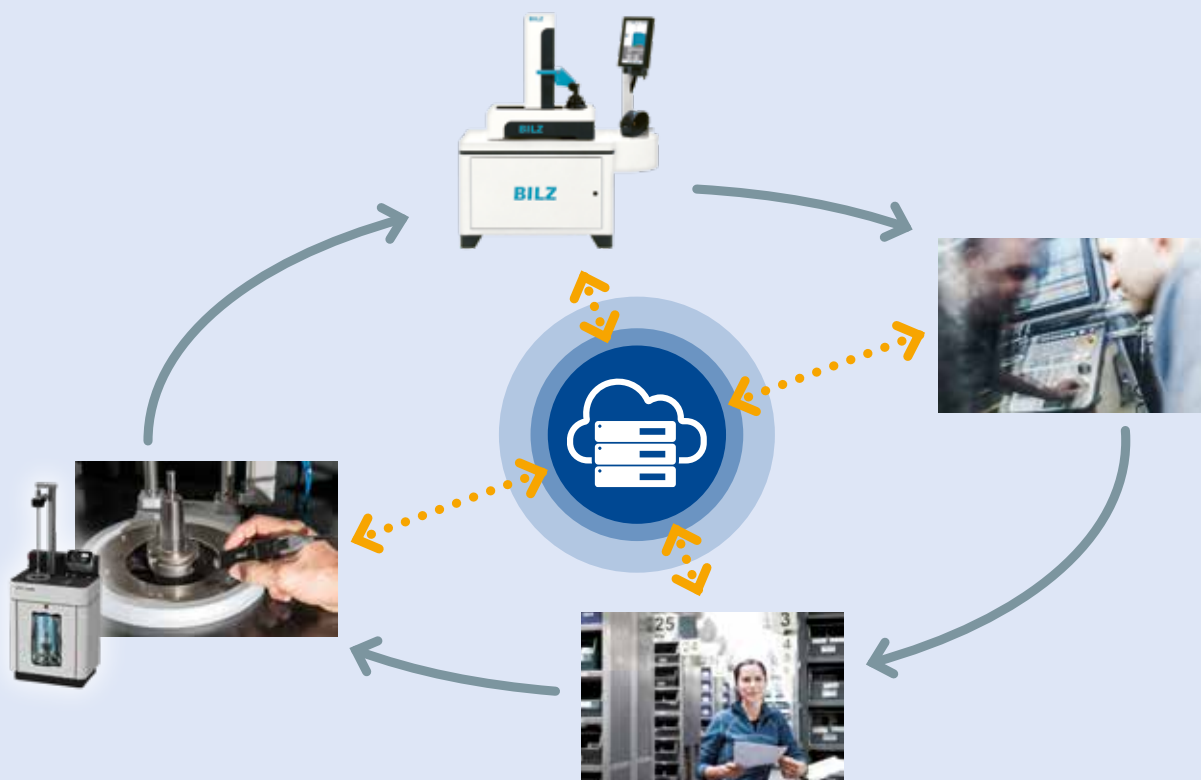
SYSTEMDESIGN **TDSc** READER DATA CHIP



Advantages of using the data chip

for tool logistics:

- Tool Management: Clear assignment of all tools and components
- Standardization of tools (for example: programming length)
- Reducing the search time
- Faster replacement in the case of tool breakage

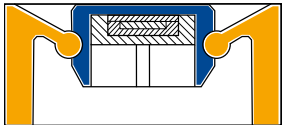
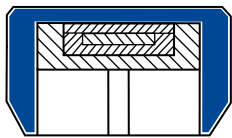


BILZ UHF PRODUCT PROGRAMME

Frequency range from 865 – 869 MHz



	Bilz TDS Reader/TDSc-DR-01 incl. antenna and USB connection
	Bilz TDS Reader IP54/TDSc-DR-02 incl. antenna and USB connection IP54
	Bilz TDS Reader IP65/TDSc-DR-03 incl. antenna and USB connection IP65, RS422 Mountable on machine tools

	TDSc data chip (UHF)/TDSc-DC-013C with housing for fast mounting • housing is laser-writable • Ø 10 mm x 4,5 mm • 128 Bit EPC memory and 96 Bit TID, ISO 18000 • including mounting system
	TDSc data chip (UHF)/TDSc-DC-012C • housing is laser-writable • Ø 5 mm x 3 mm • 128 Bit EPC memory and 96 Bit TID, ISO 18000
	TDSc data chip (UHF)/TDSc-DC-011C for gluing • laser-writable monobloc housing • Ø 10 mm x 4,5 mm • 128 Bit EPC memory and 96 Bit TID, ISO 18000 • including mounting system
	Mounting device for TDSc-DC-013C/TDSc-CT • joining tool for fast mounting of the data chips

 Reader driver software for TDSc Reader • Driver software for Windows 7 / 8 / 10 • Software for the initialisation of the TDSc data chip • Transfer of the TID (unique ID-Nr.) to the Windows cache memory file	 Driver software for Windows 7/8/10
	 Software for the reading and writing of the TDSc data chips

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