

BPTs New Tool Identification System in BPT Tool Holders

(Steep Taper BT/DV/CV-30/40/50 and
Hollow Shank HSK40/50/63/100)



Data exchange between the data carrier and read/write head is non contact and therefore wear-free. The data and necessary power for the data carrier are inductively coupled by the read/write head. This means the data carrier requires no battery for power. The reliability of the data transmission is guaranteed by special checking software.

Tool Identification with Industrial RFID The system

Non-contact tool identification in modern machine tools makes an indispensable contribution to defect-free and efficient production processes.

Extremely rugged and absolutely impervious to environmental effects, Balluff Industrial RFID

systems are exceptionally reliable and dependable. This is guaranteed by their inductive principle of operation. Balluff Industrial RFID systems are therefore ideal for use in the harsh industrial environment of the machine tool.

You too can benefit from these powerful Industrial RFID systems for tool identification.

A wide variety of

- Data carriers
- Read/write heads
- Processors
- Accessories

are available. Simply make your choice based on the features you need. And you will benefit from the ease of installation.

Purpose :

Tool Identification using inductive tags enable user to institute another higher-level of control over the cutting tools assigned to a particular operation.

Benefits of Tool Identification System :

- Reduce Set up Time
- Eliminates downtime and scrap resulting from incorrect setups
- Enable tool Control at the Machine level
- Support Automated tool Handling

Applications for Tool Identification System :

- Set up verification on machine the machine tool
- Down-load of offsets from a presetter to a machine tool
- Random storage capability within a machine tool storage system
- Read-On-The-Fly capacity within a tool changing system or tool storage system

IMPORTANT :

Here are some of the systems the system in your facility that may need to be altered to accommodate "BPTs-TOOL IDENTIFICATION SYSTEM". Which work with your system supplier to determine the functionality and costs involved to accommodate "BPTs-TOOL IDENTIFICATION SYSTEM".

1. Machine Tool Control Software
2. DNC Software
3. Presetter Automation Software

BPTs Tool Identification Consideration for Your Cutting Tool System :

1. Read - Only or Read/Write
2. Size
3. Location
4. Read and Write Distance
5. Read Speed
6. Price
7. Electronics
8. Compatibility

For Card Reader : Refer - BALLUFF INCs: Catalogue with BIS Balluff Chip Code.



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