High-speed and high-memory capacity using LF, HF, or UHF
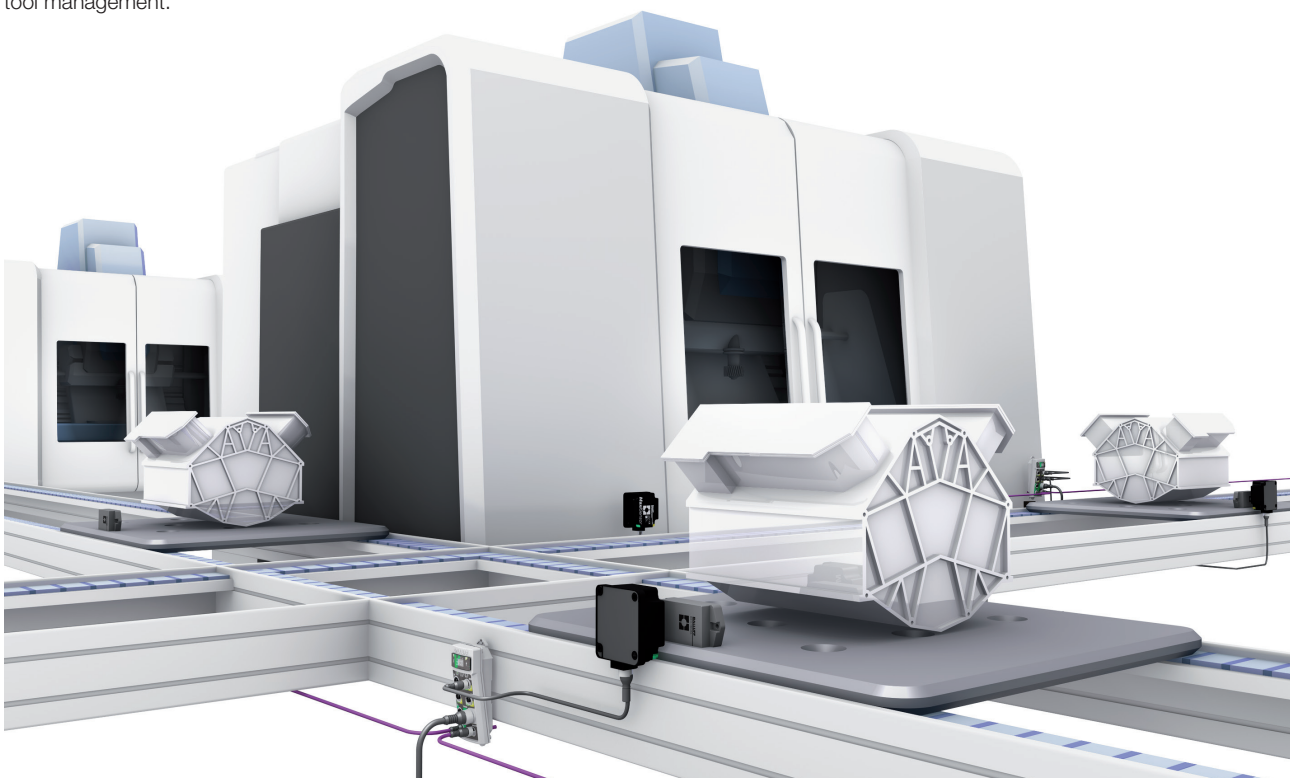
BIS V PROCESSOR UNIT – THE UNIVERSAL RFID PLATFORM

What the universal processor unit offers machine builders and manufacturers

Machinery for metalworking is often so complex that it is virtually impossible to meet the requirements for tool ID, or automated tool management. In addition, different machine builders use different control concepts.

The effort involved in retrofitting tool management is therefore extraordinarily high and nearly impossible to implement. However, a PC-based traceability system offers you a practical and efficient solution. You equip each individual machine with a read head (LF, HF, UHF) and the BIS V processor unit. Utilize the existing TCP/IP network to connect the components to a PC or server which provides the application software or MES system. In turn, this makes interfacing with the ERP system extremely efficient by eliminating the need to translate data from different communication protocols. Now nothing stands in the way of automated tool management.

Features

- Connect to PC-based systems: Two process interfaces (TCP/IP and USB)
- High flexibility: One device for all established frequencies (LF, HF, UHF)
- High performance: Suitable for high-memory and high-speed data carriers
- Aluminum/die-cast housing meets the highest industrial requirements
- Compatible with a variety of devices: Freely configurable IO-Link-Master-Port V1.1

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BIS V PROCESSOR UNIT
ETHERNET TCP/IP AND USB

POWER, 5-PIN	BIS0186	BIS0187
POWER, 4-PIN	BIS018J	BIS018K
Application for BIS VU (860...960 MHz)	▪	▪
Application for BIS VM (13,56 MHz)	▪	▪
Application for BIS VL (125 kHz)	▪	▪
Application for BIS C (70/455 kHz) 1		▪
Read/write head ports	4 ×	4 ×
Supply voltage	24 V DC ±10 % LPS Class 2	24 V DC ±10 % LPS Class 2
Supply current	≤ 2 A	≤ 2 A
Operating/storage temperature	0...+60 °C	0...+60 °C
Degree of protection as per IEC 60529	IP65	IP65
IO-Link master	V 1.1, max. 0.5 A	V 1.1, max. 0.5 A
Max. cable length (read/write heads)	50 m	10 m for BIS C, 50 m for BIS VU/VM/VL

¹ BIS C only possible using adapter BCC0FCK

CONNECTORS

5 M CABLE	BCC0JM9	BCC039P	BCC04K2	BCC04K8
10 M CABLE		BCC06WR	BCC04K3	BCC04K9
Use	USB interface	Read/write head and IO-Link	Ethernet TCP/IP	Ethernet TCP/IP
Description	M12 male, straight/ USB-A connector	M12 female/ M12 male	M12 male, straight/ M12 male, straight	M12 male, straight/ RJ45, straight

Other lengths available

CONNECTORS

2 M CABLE	BCC06HC	BCC06HH	BCC06FN	BCC06H7
10 M CABLE	BCC06HF	BCC06HK	BCC06FR	BCC06H9
Description	7/8" female straight, 5-pin	7/8" female right-angle, 5-pin	7/8" female straight/ 7/8" male straight, 5-pin	7/8" female right-angle/ 7/8" male right-angle, 5-pin

Other lengths available

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