

15 WAYS NFC ENABLES INDUSTRY

4.0

SMART MANUFACTURING

Each product is equipped with an NFC tag, and each machine along the line has an onboard NFC reader.

SMART PRODUCTS
The tag can provide a machine with exact instructions for the operation.



BRAND PROTECTION
Update status on the tag to record completion and add brand information for anti-counterfeiting.

INCREASED AUTOMATION
Send an email: "I'm ready to ship"



M2M COMMUNICATION
Machines communicate more effectively with one another, adjusting downstream machinery to accommodate customizations.

EASY MAINTENANCE
If a calibration or repair is needed, the robot can send a message to a worker's device.



AUTHENTICATED TOOLS
NFC tags can be used to verify the authenticity of components, to ensure robots use the right item for a given task.



ENERGY HARVESTING
NFC tags require no battery. Infrequently used tools can be idle and yet still be ready to report their status at a moment's notice.



EXTENDED DISPLAYS
The display can be used as the man-machine interface for changing parameters, making calibrations, or monitoring.

EASY ONLINE WORKING
Use an NFC tag to launch pre-set configurations when logging onto a VPN.

ONE-TOUCH PAIRING WITH BLUETOOTH AND WIFI
One-touch pairing is helpful when adding new components to a network, since NFC can supply the device IDs and security codes.



BETTER EQUIPMENT UPTIME
Tap-and-go cloud access for quick referrals to operating manuals, firmware downloads, etc.

EASY TROUBLESHOOTING
NFC makes it easy to access relevant data, so repair personnel can arrive with the relevant spare parts in hand.

CONTROLLED ENVIRONMENT
NFC can be used to restrict access in the facility, ensuring that only authorized people can enter.



ENHANCED LOGISTICS
NFC tags simplify inventory and asset management, because they make it easier to track items and monitor usage.

LATE CUSTOMIZATION
Tags can be updated at any time, to support things like new operating instructions, or to set the language of the user interface.

