

THE FACTORY AUTOMATION COMPANY

FANUC

NEW MT-LINK*i* 4.0

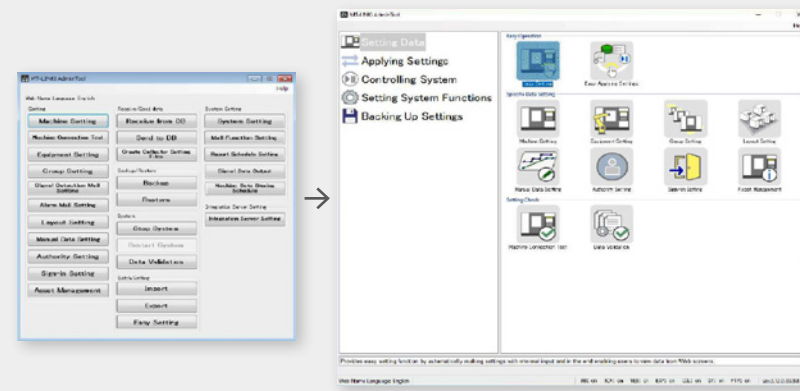
The easy way to monitor your production

Operation management software running on standard PCs.
Collect data and monitor the status of your factory's production equipment.

Improve your production
processes and productivity
with MT-LINK*i* 4.0

New features for your operation management software MT-LINKi

FANUC's software to monitor the status of your factory's production equipment has been improved and updated. Explore the new features of MT-LINKi 4.0.



MT-LINKi FUNCTIONALITY Layout Improvement of Admin Tool

- the new AdminTool design allows even easier setup and configuration of MT-LINKi thanks to categorised menu UI and easy-to-understand features such as icons, service status and description menu

	Set the [Data Length] field and/or [End Code] field when the [Data Type] field is set to "STRING."	
NEW String segmentation by	<p>Data Length</p> <p>Select the check box and specify the data length. A number from 1 to 255 is available. When the check box is not selected, this field is regarded as set to the maximum (255 bytes).</p> <p>Select the check box and select an end code from the drop-down list.</p> <p>Options are as follows:</p> <ul style="list-style-type: none"> NULL (0x00): (To set NULL as the end code) ETX (0x03): (To set ETX as the end code) LF (0x0A): (To set LF as the end code) CR (0x0D): (To set CR as the end code) User-Designated: (To employ a user-designated code that should be set in hexadecimal for the [User-designated code (Hex)] field. The hexadecimal value should be within 00 to FF.) 	Either or both of the [Data Length] and [End Code] fields must be set. By default, the check box for the [End Code] field is selected.

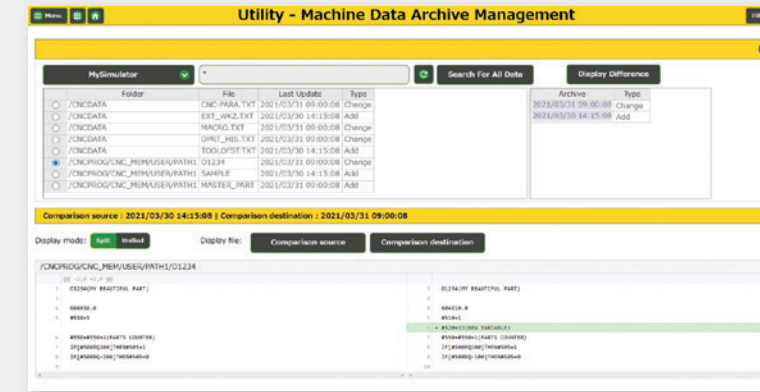
MT-LINKi FUNCTIONALITY PMC Signals as Strings for CNCs

- PMC signals can now automatically be retrieved as string type signals
- this allows users to read ASCII data from barcode scanners

NEW DATA (NOTE 4)	<p>NumReg (numeric register)</p> <p>CharReg (string register)</p> <p>PosReg (position register)</p> <ul style="list-style-type: none"> - Cartesian coordinates: X, Y, Z, W, P, R, E1, E2, E3 - Joint coordinates: J1, J2, J3, J4, J5, J6, JE1, JE2, JE3 <p>PosReg (position register)</p> <ul style="list-style-type: none"> - Config: X, Y, Z, W, P, R, E1, E2, E3 - Coordinate system number: J1, J2, J3, J4, J5, J6, JE1, JE2, JE3 	<p>Int32</p> <p>Double</p> <p>String</p> <p>Double</p> <p>Int32</p>
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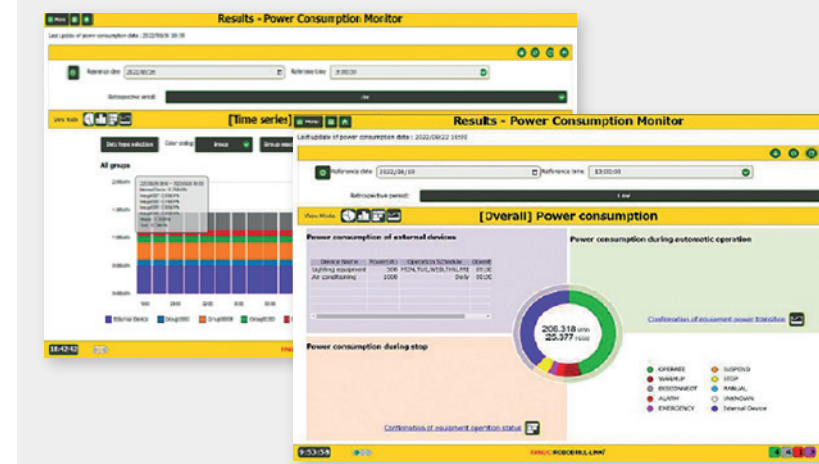
MT-LINKi FUNCTIONALITY Enhanced data collection for Robots

- collect program name, program line number and DATA type signals from FANUC Robots
- data can be output to CSV file
- collect and store various kinds of data, e.g. measurement data of tools and workpieces



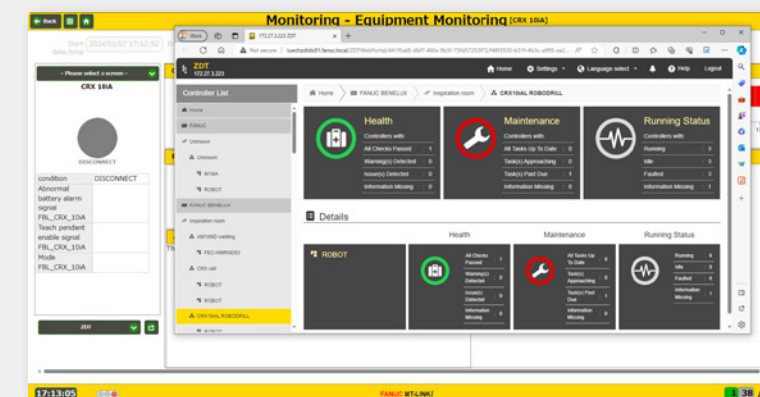
MT-LINKi FUNCTIONALITY File Transfer for Robots

- data download/upload (programs, parameter files, etc.) between machines with CNC, Robots and the MT-LINKi Server PC



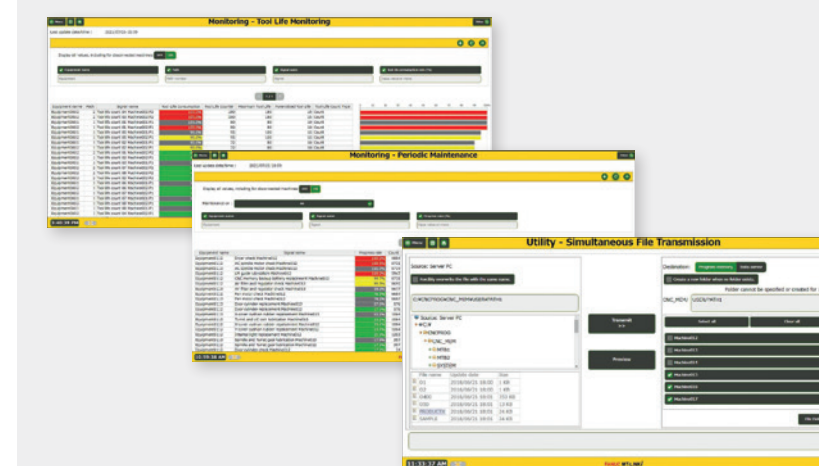
MT-LINKi FUNCTIONALITY Power Monitoring

- power consumption monitoring provides insights into potential energy savings
- accurately read the power consumption of FANUC motors directly, eliminating the need for additional hardware
- monitor the power consumption of peripheral machine components through calculated measurements
- displays CO₂ emission based on an adjustable emission factor



MT-LINKi FUNCTIONALITY Direct Link

- add direct links to other systems to get detailed information about specific equipment
- in a production setting with CNCs, Robots, and ROBOSHOT machines connected to MT-LINKi, establish links to ZDT for comprehensive insights into Robots, and to ROBOSHOT-LINKi2 for plastic moulding processes insights



MT-LINKi FUNCTIONALITY ROBODRILL Functions (Option)

- enable to collect signals from ROBODRILL machines
- NEW real-time charts available:
 - tool life monitoring
 - periodic maintenance
- new Simultaneous File Transmission function available

One common servo and control platform – Infinite opportunities THAT'S FANUC!



FA

CNCs,
Servo Motors
and Lasers

ROBOTS

Industrial Robots,
Accessories
and Software

ROBOCUT

CNC Wire-Cut
Electric Discharge
Machines

ROBODRILL

Compact
CNC Machining
Centres

ROBOSHOT

Electric CNC
Injection Moulding
Machines

IoT

Industry 4.0
solutions