Robotic soldering for everywhere
New soldering robot UNIX-DF series

Enhanced network functionalities for the future Industry 4.0 & IoT!

- Expansion to Industry 4.0, Connect to internal networks in factories
  - A monitoring application achieves an effective remote monitoring of production status and enables data management & analysis, such temperature characteristics, monitor, and error, to prevent occurrence of defects.
  - Data export becomes much easier and faster with LAN port and memory port,

- Simple and easy operation for everyone.
  - The new interface has improved the process of teaching robot and quicker program changes within 10 minutes.
  - Up to 399 different soldering tips and product types programs can be programmed, which significantly reduce operation time for changing soldering points.
  - New soldering feeder is equipped, which simplifies to change solder wire diameter as well as expanding to clean cut feeder to avoid flux dispersion.
  - New specialized switch box enables implementation program easily changeover (2 channel).
  - Temperature settings and control are available on the front panel.

- 3D soldering.
  - 2 extra axes, up to 6 axes in total, can be simultaneously manipulated.
  - Complicated products, components and circuit boards are solderable without additional functions.
  - 2 additional axes can be added and manipulated, in addition to the standard 4 X/Y/ZR axes. (Maximum 6 axes for soldering (4 operation))
  - Additional axes make flexible motion possible (component rotation, board flipping, angled inclination, rotation of cylindrical parts, holding cables, etc).

- Reducing operation time with increasing rigidity and processing speed
  - Increased maximum work load from 11 to 15kg (UNIX-DF204S/DF303L/DF404S)
  - Enhanced maximum acceleration/deceleration speed as the result of rigidity enhancement,