

# ICON

2000



Bluetooth™  
technology



**ICON2000 Release 2004: share your valve process information!**

In the communication era, Biffi Italia has engineered new advanced solutions to easily communicate with on-field users and control rooms and to download all the process information and diagnostic data

## The Release 2004 of the ICON2000

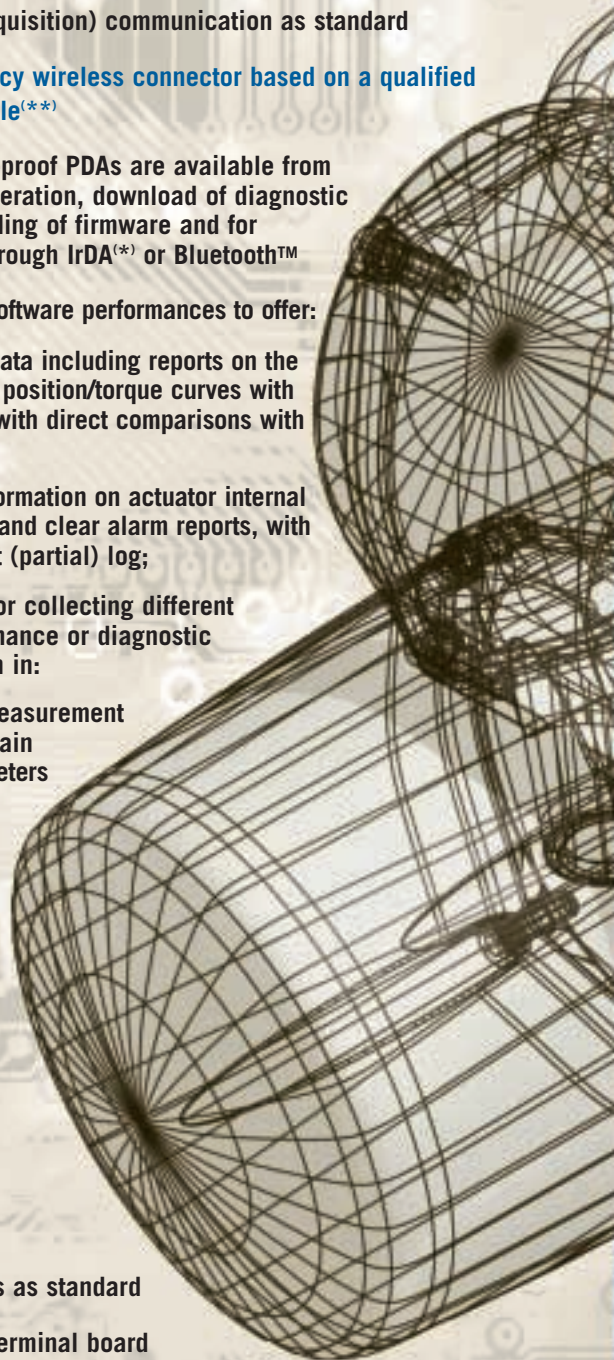
has allowed BIFFI Italia to introduce a new philosophy in the electric actuators electronic cards construction with all the main optional functions integrated in the basic card and with easy plug in of the most advanced improvements. ICON2000 can support the most critical environment conditions.

- ☑ Engineered as an improvement and optimization of the performances of the existing ICON2000 and totally interchangeable with Release 2000
- ☑ Actuator operation, setting and diagnostics are available via the integral user-friendly push-button panel
- ☑ IrDA<sup>(\*)</sup> (Infra red Data Acquisition) communication as standard
- ☑ Bluetooth™, radiofrequency wireless connector based on a qualified Bluetooth™ class 1 module<sup>(\*\*)</sup>
- ☑ Watertight and explosion-proof PDAs are available from Biffi Italia for actuator operation, download of diagnostic info, non-intrusive upgrading of firmware and for maintenance purposes through IrDA<sup>(\*)</sup> or Bluetooth™
- ☑ Enhanced hardware and software performances to offer:
  - advanced maintenance data including reports on the last opening and closing position/torque curves with relative parameters and with direct comparisons with reference curves;
  - detailed and updated information on actuator internal parameters with precise and clear alarm reports, with both General and Recent (partial) log;
  - "Data logger" function for collecting different types of data for maintenance or diagnostic programs, available both in:
    - RECORDER mode for measurement and memorization of main actuator internal parameters with configurable SAMPLING TIME and START DATE and TIME
    - EVENT mode with memorization of OPEN or CLOSE commands, including indication of source, date and time with configurable START DATE and TIME
- ☑ Customized displays:
  - Numeric: 3<sup>1</sup>/<sub>2</sub> digits
  - Graphic: 32x122 dots
  - Backlights
  - Heater
  - 5 selectable languages as standard
- ☑ A single enhanced-type terminal board
- ☑ Advanced open bus communication protocols:
  - Lonworks
  - Profibus DPVO, DPV1 and Redundant DPV1
  - Foundation Fieldbus
  - Modbus
  - DeviceNet

## ICON2000 Release 2004:

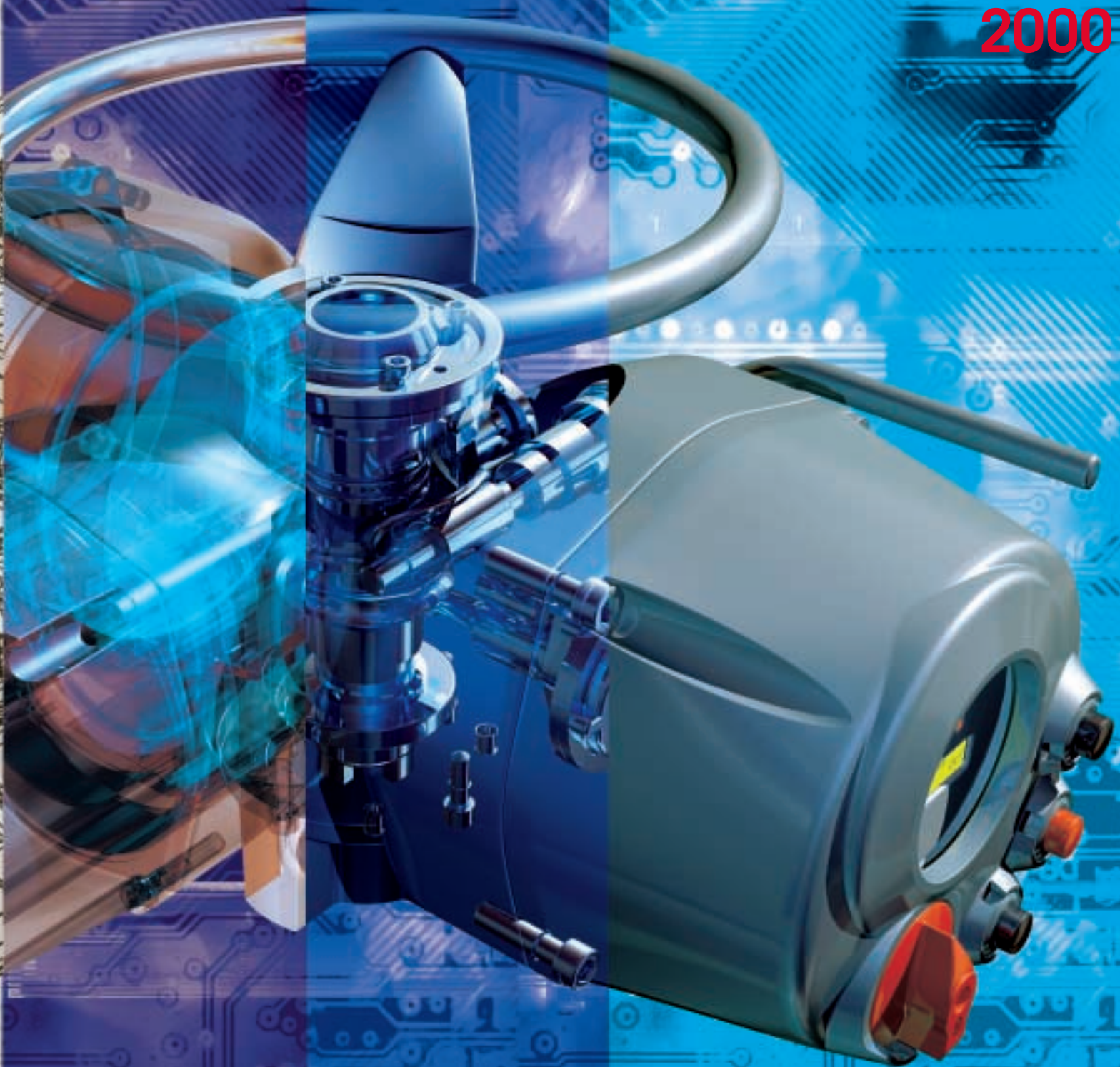
(\*) IrDA not available in Japan and UK

(\*\*) EP and US patent pending  
Bluetooth is a trademark of Bluetooth SIG, Inc., USA



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an important goal in the valve/actuator process diagnostic and advanced maintenance program



**Biffi Italia s.r.l.**

Headquarters, Sales department, 29017 Fiorenzuola d'Arda - Italy tel. +39 0523 944411 fax +39 0523 943923 e-mail [biffi\\_italia@biffi.it](mailto:biffi_italia@biffi.it)

A **tyco** INTERNATIONAL LTD. COMPANY

website: [www.biffi.it](http://www.biffi.it)