



# ICON 3000

Smart and reliable  
electric multi-turn  
actuator



The extremely reliable and flexible Biffi ICON family of electric multi-turn actuators has been for more than 20 years a real "icon" across the global market for oil & gas, power and process industry operators. With the new interface and position detection system, we are taking the ICON3000 a step forward enhancing its reliability and smartness.

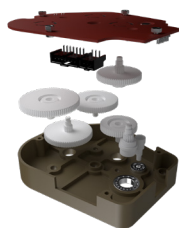
EXPERIENCE  
MORE



Main Features	ICON2000	ICON3000
Power supply: 3 phase from 208V to 690V at 50/60Hz, single phase from 110V to 240V at 50/60Hz, DC (direct current) from 24V to 110V	✓	✓
Torque output: from 30 to 1,440Nm	✓	✓
Speed range: from 12 to 173RPM at 50/60Hz	✓	✓
Ambient temperature standard range: down to -60°C (-76°F)	✓	✓
Bluetooth™ wireless connectivity	✓	✓
Certifications		
Waterproof: IP68 or NEMA 4, 4X and NEMA 6	✓	✓
Ex-d IIB/IIC T4 higher Explosion Proof classifications available	✓	✓
Atex d, FM (US), FM_C (Canada), IECEx, NEMA, IP, Atex de*, NEPSI (China)*, EAC_(CU-TR)*, INMETRO (Brazil)*, KOSHA (Korea)*, CCOE (India)* *contact Factory	✓	✓
Suitable for SIL applications	SIL2	SIL2
New Features		
Absolute encoder		✓
New dot matrix OLED display		✓
Easy battery management		✓

## What's New in ICON3000

### High Reliability New Absolute Encoder



- Compact design specifically developed for ICON series
- Exhaustive tests have been performed to ensure maximum reliability
- Up to 8,580 output revolutions
- Valve position detection is guaranteed even without battery backup in case of main power loss

### Improved User Interface with New Dot Matrix OLED Display



- Wider screen switchable for text up to 4 lines
- Possibility to show more detailed information, icons, drawings
- User-friendly menu remains the same as ICON2000
- Operates effectively even under the strongest sunlight
- Suitable for extreme temperatures down to -60°C (-76°F)

### New Battery Management



- Common battery, easy to find
- New seat, easier to replace
- Possibility of configuring a maintenance-free actuator without any battery
- Explosion proof design
- Guaranteed functionalities with battery:
  - Local position display active (LCD 3 ½ digit)
  - Real Time Clock back-up
  - Remote position indication active [4-20mA (ext. supplied) and relays]



9 Gul Road,  
#01-02 Singapore 629361  
T +65 6777 8211

*Biffi reserves the right to change product designs and specifications without notice.*

 [www.linkedin.com/company/biffi-italia-srl](https://www.linkedin.com/company/biffi-italia-srl)

 [www.youtube.com/user/BiffiItaliaSrl](https://www.youtube.com/user/BiffiItaliaSrl)

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