

Company Profile & Product Introduction

The Company History

1. 1999. ABB acquired Germany Hartmann&Braun with 40 years of history and world's leading electric actuator technology.
2. 2000. ABB launched Ontrac and Contrac Intelligent Electric Actuator
3. 2003. Transferred the Ontrac technology, manufacturing process, production line, supplier base from ABB Germany to China.
4. 2003. Ontrac Instrument (Shanghai) Co.,Ltd was established, and it is authorized to be ABB Actuator (China) Technical Support & Service Center by ABB Engineering Company.

Ontrac-China Shanghai Factory



Area:

Floor Area: 3,200 m²

Product Portfolio



Easytrac:
EOE-On/off
EME-
Modulating

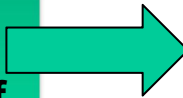


Easytrac for Compact Serial

EOE for on/off
EME for modulating



ONTRAC:
MOE-On/off
MME-
Modulating



Ontrac for Intelligent Serial

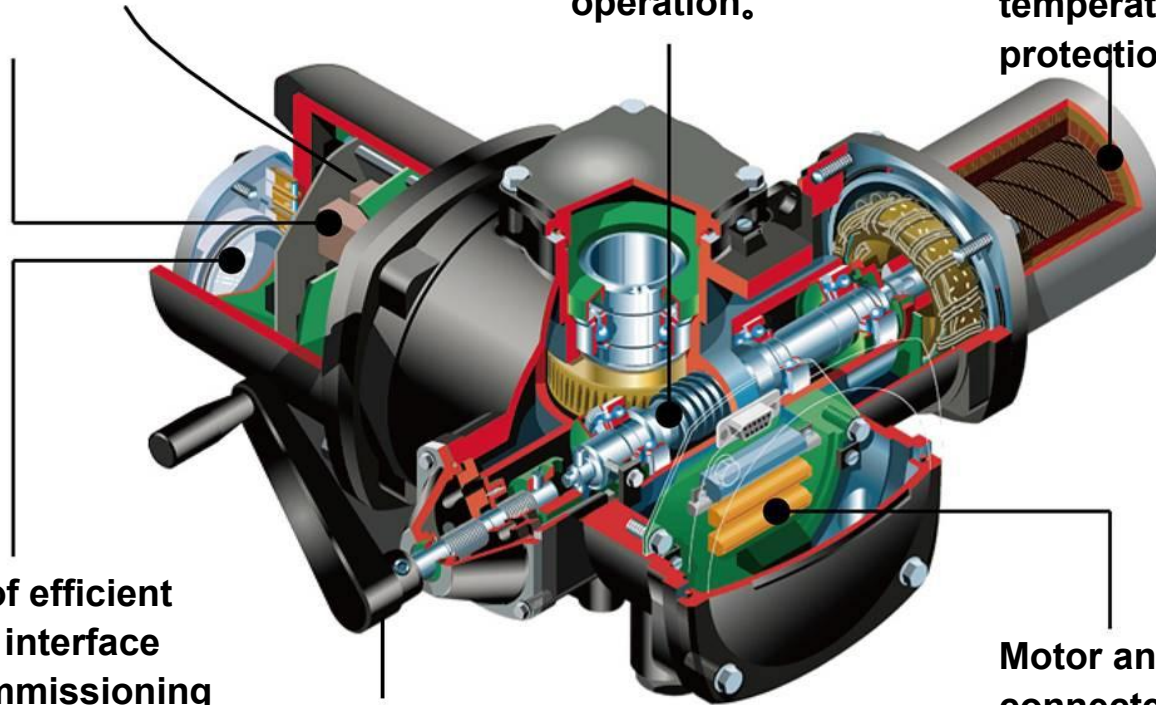
MOE for on/off
MME for modulating

Ontrac Structure

ABB advanced frequency converter and electronics technologies.

The gear unit provides high efficiency, oil bath lubricated for life, maintenance free operation.

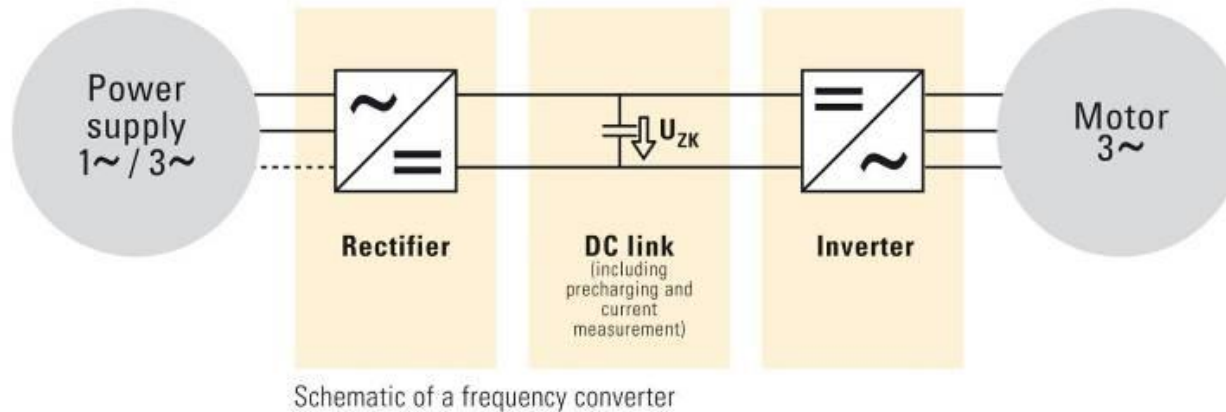
Motor in insulation class F. Measuring and monitoring of both current and temperature provide full protection.



Introduction of efficient Man-machine interface simplifies commissioning with user guidance.

Motor and control cables are connected by using screw-type terminals or PCB plug-in terminals to ensure reliable electrical contact.

Frequency Converter Technology



Using a frequency converter in the actuator allows complete control of the motor i.e.: speed and direction of rotation together with torque.

The voltage applied to the motor by the frequency converter determines the output torque, whilst the frequency determines the output speed.

Benefit: Frequency Converter Technology

1. Valve protection

Ontrac actuator moves to its end position at a fixed low speed, therefore over-torque is avoided due to the low kinetic energy of motor and gears.

2. High torque when it matters

Moderate blockages pose no problem for Ontrac. By running at low speed with high torque, the actuator is able to overcome valve blockage without risk of valve damage.

3. Planning flexibility

Sometimes during the planning stage, it is good to have a little free play in terms of output speed and torque - some things look different on site. adjustable speed & torque offers many possibilities for process optimization at a later stage

Benefit: Frequency Converter Technology

4. Reduced spare-parts stock

The ability to configurable speed and cut-off torque means that the whole actuator range can be covered by a small number of variants. This simplifies stock keeping of spare actuators and Components

5. Optimum position control

The positioner integrated in the Ontrac actuator utilizes the different speed control capability of the frequency converter: this means that large position changes result in high speed correction, whereas small deviations are adjusted more slowly.

6. Automatic phase correction – the integrated rectifier works independently of the supply phase sequence

