



Redefining anesthesia

DRÄGER ZEUS®  
INFINITY® EMPOWERED

“Do we have the  
**potential** to do **more?**”  
 “Yes, with target controlled anesthesia.”



#### CHALLENGING TIMES

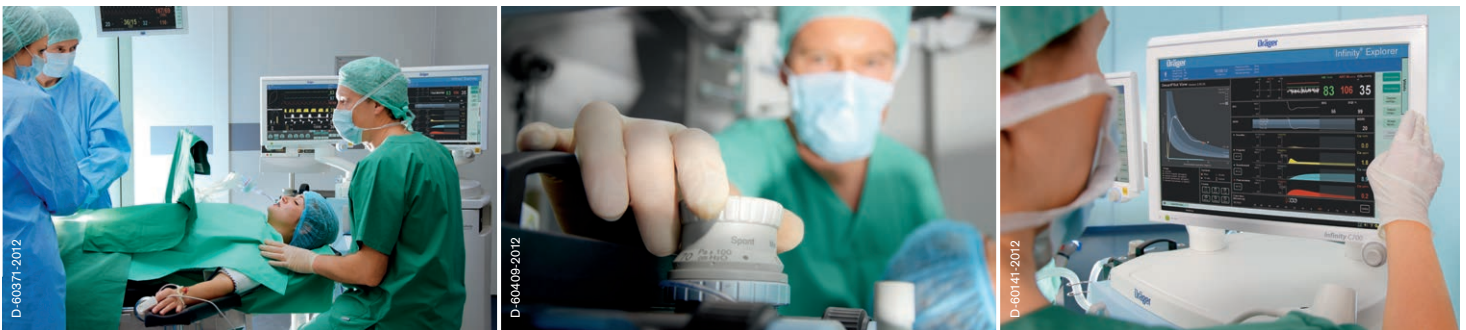
Today, modern anesthesia is faced with important challenges such as increased patient throughput, spiraling costs and new, more demanding procedures. In this setting, the reliability, ease of use and efficiency of the medical technology you work with are factors which can have a significant impact on both therapeutic outcome and economic results.

#### PROCESS SUPPORT MEANS EFFICIENCY

Process optimization is an important factor in the efficiency equation; a modern anesthesia workstation has to do more than offer state-of-the-art ventilation therapy and monitoring capabilities. It should also provide support for essential perioperative processes such as preparation, documentation, information management, pre- and postoperative routines, self-testing and maintenance.

#### INTEGRATION MEANS EFFICIENCY

A truly advanced anesthesia workstation should help you plan and maintain the desired level of anesthesia with the highest possible safety, accuracy and efficiency and provide you with access to any information you need. It should include comprehensive monitoring capabilities and features which enhance your ability to make timely, informed decisions. Perhaps just as important, it should also be highly intuitive, to ensure that, in spite of its advanced technology, it is still easy to use.



#### **THE ZEUS IE ANESTHESIA WORKSTATION OUR ULTIMATE ANESTHESIA SOLUTION**

The Dräger Zeus® Infinity® Empowered (IE) gives you seamless integration of several products: ventilation, therapy, monitoring, information management and decision support in a single, state-of-the-art solution. Taking the anesthesia process well beyond present frontiers, the Zeus IE represents a technological milestone which gives you the kind of systems integration and workflow control no other workstation can offer. The Dräger Zeus IE lets you concentrate on your patient, not on your workstation.

#### **TARGETING THE HIGHEST POSSIBLE EFFICIENCY**

The Zeus IE features Target Controlled Anesthesia (TCA) technology. After setting targets for parameters such as expiratory anesthetic and inspiratory oxygen concentrations, the Zeus IE then calculates the most efficient route to success, while redundant gas sensors and intelligent safeguards work together for enhanced patient safety. TCA can even be used in conjunction with closed loop anesthesia, a powerful combination which can substantially reduce consumption of costly anesthetic agents.

#### **UNCOMPROMISING VENTILATION THERAPY**

The Zeus IE offers high ventilation quality in the OR or ICU level. The innovative, turbine-driven TurboVent ventilation concept can provide practically unlimited inspiratory flow, regardless of the ventilation mode while giving you all the advantages of spontaneous breathing and active PEEP.

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### HIGH LEVEL OF INTEGRATION

The optional integration of IV pumps and patient monitoring makes the Zeus IE a totally integrated anesthesia workstation to support your workflow.

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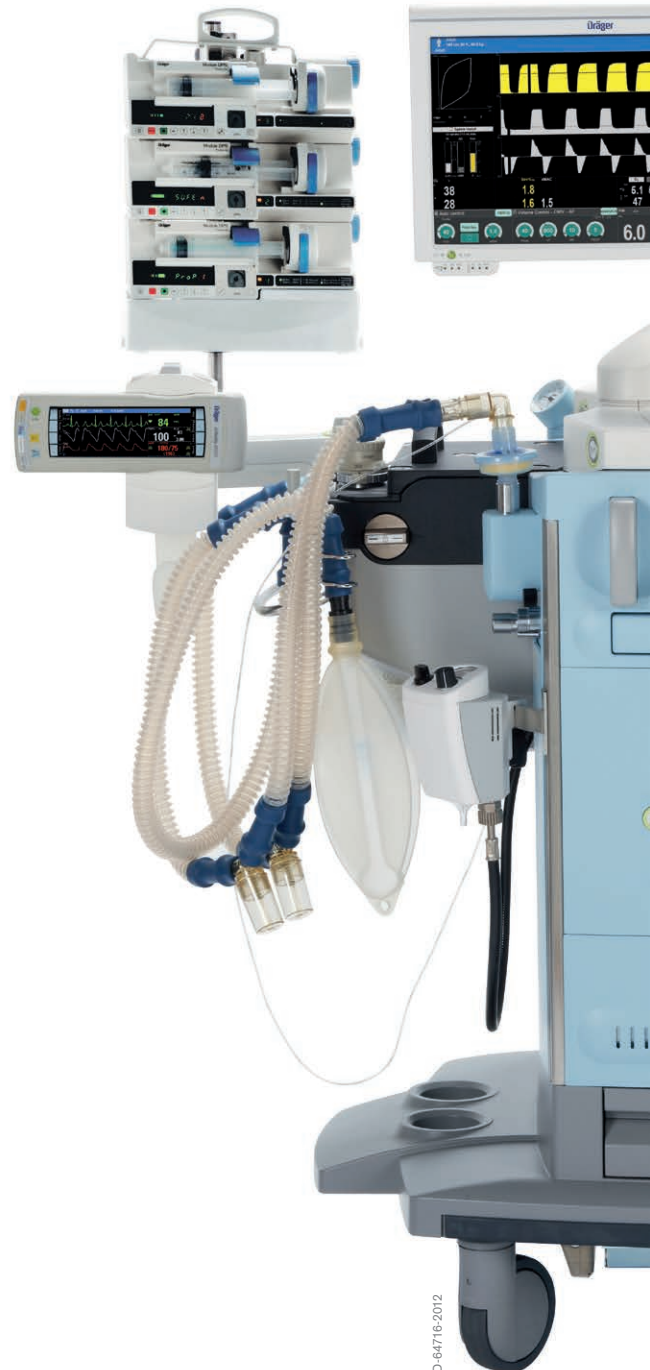
### VENTILATION PERFORMANCE

The high performance blower offers ventilation performance on ICU level especially for supported spontaneous breathing modes.

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### TARGET CONTROLLED ANESTHESIA

By setting the target values for  $\text{FiO}_2$  and exp. agent concentration the effort and time to get to steady state conditions are minimized.





#### STANDARDIZED USER INTERFACE

The same user interface as you find on the Infinity Acute Care System monitoring, the IT-cockpits and other Dräger anesthesia devices and ventilators on ICU reduces training effort.

#### QUANTITATIVE ANESTHESIA

The Closed loop mode enables replacing only the patient uptake of O<sub>2</sub> and agent to minimize costs and optimizes the gas temperature and moisture for the patient.



At Dräger, we know that the OR process is more than just an operation. Preparation, documentation, postoperative routines and maintenance are also essential components. The Zeus® IE was designed to help you increase your perioperative productivity – one of the most important factors in creating the most cost-effective working environment possible.

#### **ERGONOMIC, FINGERTIP CONTROL**

Ventilation parameters, intravenous anesthetic drug administration, anesthetic gas delivery and patient monitoring are all clearly visualized and easily controlled from the same touch screen\*. A clear and intuitive common menu structure makes operation easy and helps you streamline your workflow.

#### **INFORMATION MANAGEMENT AND SUPPORT**

Comprehensive information access is provided through the Infinity Acute Care System monitoring. This dual-screen concept allows you to access patient formation without interrupting the stream of vital patient monitoring data. An integrated drug library automatically sets default values, provides color coding and dosage boundaries.

\* Only with options IPM and IVenus

# Build your own Zeus® Infinity® Empowered workstation



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## WITH INFUSION PUMPS

With optional integrated patient monitoring and pump control the Zeus IE incorporates seamless integration of patient monitoring and intravenous therapy, both easily accessed and controlled by touch screen.



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## WITH SMARTPILOT VIEW

Adding another C700 for IT enables products like SmartPilot® View or PDM systems integrated into your workplace for simultaneous visualization of real-time parameters as well as findings or other data accessed from your hospital network.



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## WITH INFINITY ACUTE CARE SYSTEM MONITORING

With the latest Dräger Pick & Go Monitoring solution IACS and the C700 for IT (SPV / PDMS) you can configure the Zeus IE to a maximum of functionality in regards of ventilation, therapy, monitoring, and information management in a single, elegant anesthesia workstation.



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#### As of August 2015:

Dräger Medical GmbH changes  
to Drägerwerk AG & Co. KGaA.

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