

User Interface

Solutions for

World-Class

OEM Customers

INDUSTRY FOCUS:

Kinetek Medical Market

Overview

Kinetek operating companies have a proven track record in providing innovative solutions for world class customers with demanding requirements. Kinetek companies offer a wide array of innovative and technologically advanced products for medical applications.

Valmark Interface Solutions™

VIS (Valmark Interface Solutions™) is a key part of Kinetek's strategy to meet the needs of the Medical market. As a leading provider of medical user interface design and manufacturing solutions, VIS supports medical device OEM customers design, develop, and deploy their products on time and at the right time. VIS has a proven track record of manufacturing high technology, intellectual property sensitive products through comprehensive resources and services by focusing on creating value and competitive advantage for medical customers.

The VIS global supply chain network and ISO 9001 and 13485-certified manufacturing facilities are fully suited to support demanding medical OEM customers. VIS knows that leading-edge technologies need to be incorporated in today's advanced medical devices and products, and understands and accepts the challenges of supporting annual quantities that are typically defined as low-to-medium volumes. VIS's medical HMI design, development and manufacturing services allow our customers to make an impactful difference in the lives of healthcare providers and patients everywhere.

CAPABILITIES

- Broad and deep technologybase in human machineinterface, motors, and motion control
- Application knowledge andproduct test expertise
- Advanced design and manufacturing capability in China and Mexico
- Ability to package system solutions for customers
- Strong service and support

PRODUCTS & TECHNOLOGY

- Surgical and dentalhandpieces
- Wheelchairs and scooters
- Breast pumps
- Dialysis machines
- Ambulatory and fixed infusion pumps
- Cosmetic and surgical lasers
- Radiation therapy and linear accelerators

Valmark Interface Solutions™

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Innovative Interface

TECHONOLOGY

Drives our

Comprehensive

HMI Solutions

Customer-Focused

APPROACH Leads to

Inspired Solutions

Pursuing Perfection

in **MARKETS** that

Demand Higher

Complexity Solutions

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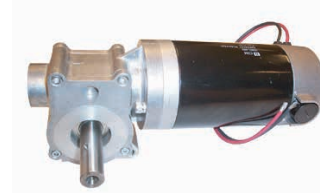
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Kinetek Products

In addition to the user interface products designed and manufactured by VIS, Kinetek's medical market product line includes AC/DC brush and brushless motors and gear motors. Now part of the Nidec Group, the products offered by VIS and Kinetek will expand to include other product solutions available from Nidec Group companies that focus on the medical market.

RIGHT ANGLE DRIVE- MC137C

- Hardened steel and bronze gearing
- Field replaceable motor
- Grease lubrication for life
- Aluminum housing
- Viton output seal
- Low profile



PMDC RIGHT ANGLE GEARMOTORS

- Ball bearings in motor & gearbox
- High efficiency
- Back-drivable
- Face or foot mounting
- Low audible noise
- High radial loads



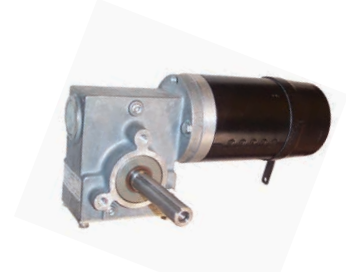
MEDICAL MEMBRANE SWITCH

- SMT LEDs and selective textures
- ESD resistant to 8kV discharge
- Ultrafine pitch ZIF connections
- Tactile response
- Digitally printed and embossed graphic overlay



RIGHT ANGLE DRIVE- MC200C

- Hardened steel and bronze gearing
- Grease lubrication for life
- Field replaceable motor
- Aluminum housing
- Viton output seal
- Low profile



BRUSHLESS DC GEARMOTOR

- Full line of brushless DC gearmotors
- Built-in quadrature encoder
- Gearing peak torque: 250 lbs/in
- Long life brushes



INFUSION PUMP MEMBRANE SWITCH

- Selective texture with embossing
- Trans Red window
- Tactile Response
- Sealed to IP76
- EMI Shielding

