



GREATER MEMPHIS CHAMBER

# Memphis Bioscience

**W**hen it comes to medicine and biomedical research, Memphis is a leader.

From pioneering research into the causes and cures of catastrophic childhood diseases performed at St. Jude Children's Research Hospital to the latest advances in neurology, ophthalmology, orthopaedics and men's health, Memphis is a leader.

From research and education conducted at the nationally renowned University

of Tennessee Health Science Center to biologistics, especially the time-critical biomedical deliveries made possible by the FedEx World Hub, Memphis is a leader.

From the country's lowest average lease rates for industrial and warehouse rentals to a cost of living 10% below the national average, Memphis is a leader.

*Run a third shift. Serve more doctors overnight. Attract and retain critical talent. Take another look at how Memphis can deliver for your company.*

## Quick Facts:

- ▶ 1 in 7 Memphians work in the biosciences in a metro of more than 1.2 million
- ▶ Memphis is home to four Fortune 500 companies – FedEx, AutoZone, International Paper & ServiceMaster



## ▶ medical device leader

**Memphis' contributions to the orthopaedic and medical device industry go back nearly a century.** From one of American

Orthopaedics' founding fathers to industry giants Medtronic, Smith & Nephew and Wright Medical,

Memphis has served as the staging ground for innovation and growth in the orthopaedic and medical device industry.

We're a worldwide leader in orthopaedic and spinal implant development as well as

The VeinViewer by Luminetx™ locates subcutaneous veins and projects real-time images of their location onto the surface of the skin. During prototype development, the device was recognized by *Time Magazine* as one of the year's most innovative medical inventions.

the U.S.'s second-largest orthopaedic device manufacturing center. With advantages like low operating costs and an extended business day via later pick-up times, it's no wonder that Memphis is home to major operations for Medtronic, Smith & Nephew, Wright Medical, Symmetry Medical, and NuVasive.

### [ In Good Company. ]

COMPANY	EMPLOYEES	LOCAL EST.
Smith & Nephew	1,815	1934
Medtronic	1,400	1980
Wright Medical	700	1950
TiGenix NV	100	2007
NuVasive	55	2006
Greystone Pharmaceuticals	30	1996
Luminetx Technologies	20	2004
Symmetry Medical	12	2005
Cagenix	2	2003

**Memphis Medical & Orthopaedic Device Companies Ranked by Local Employment**

1 Nobel-Prize-winning St. Jude Children's Research Hospital recently completed a billion-dollar expansion, doubling the facility's size and greatly expanding research capacity for genetic and infectious diseases.

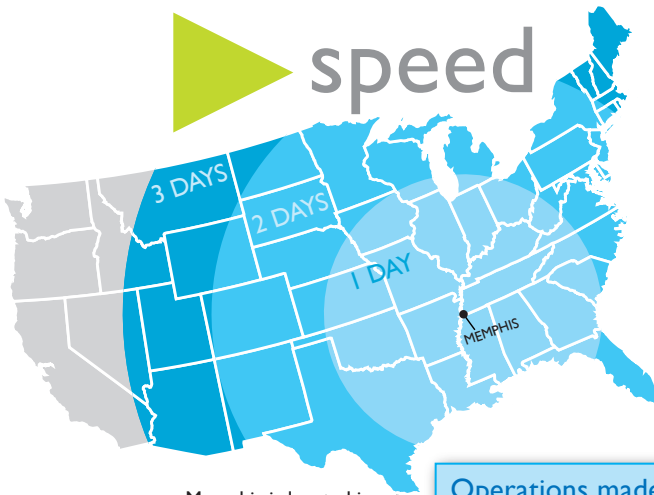
2 Oxinium™ knee implant, designed & manufactured in Memphis by Smith & Nephew Orthopaedics.





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# ▶ speed to market



**Memphis' unique central location** offers the ability to reach more major metropolitan markets overnight than any other city in U.S. As the world's air cargo capital Memphis offers hub city midnight cut-off times for overnight shipping. Air, truck, rail or water, Memphis' specialty is the time-critical supply chain.

Memphis is located in the heart of the eastern U.S. and is closer by truck to more major metro areas than any other city in the country.

### Operations made possible by locating in Memphis include:

- ▶ National Eye Bank Center | the world's largest cornea bank
- ▶ Solectron | the world's largest laptop repair depot
- ▶ Advanced Toxicology | the country's largest overnight drug testing lab
- ▶ Thomson Technicolor | the world's largest home entertainment distribution center

- 1 Memphis is "America's Distribution Center"—home to the FedEx World Hub and the world's busiest cargo airport.
- 2 Headquartered in Memphis, GTX is a biopharmaceutical company dedicated to men's health.

# ▶ bioscience workforce

Since the founding of Memphis Hospital in 1829, the Memphis bioscience community has grown into a diverse network of institutions, clinics and health-related businesses including the Nobel Prize-winning St. Jude Children's Research Hospital, the University of Tennessee Health Science Center (UTHSC) and medical school, InMotion Musculoskeletal Institute, the Medical Education & Research Institute, FedEx Institute of Technology, the University of Memphis and many others.

This network is known for its research and clinical excellence, its depth of skilled technicians and internationally-recognized scientists and its commitment to deepening and broadening the bioscience training available locally.

The University of Memphis, in coordination with local medical device companies, is developing a new master's degree program in medical devices, a compliment to its successful biomedical engineering joint program with UTHSC. Regulatory affairs and quality assurance seminars geared to pharmaceutical- and medical-device-industry management are also currently in development.

*A half-billion dollar research facility under construction with an attached biotechnology district.*



*UT-Baptist Research Park*

### Quick Facts:

- ▶ About 7,000 Mid-South students graduate each year with a degree or certificate in biosciences or engineering.
- ▶ More than 70,000 Memphians are employed in the city's broad-based collection of bioscience industries.
- ▶ Memphis biomedical device industry employment has grown 50% since 1999 – more than four times the national rate of growth.
- ▶ Medtronic is currently undergoing a \$90-million expansion of its Memphis-based spinal division, adding 600 new jobs.
- ▶ Smith & Nephew is currently undergoing a \$47-million expansion of its Memphis-based orthopaedics division adding 600 new jobs.



## Need more information?

Let us help. The Greater Memphis Chamber provides comprehensive site selection services.

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